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SITE ASSESSMENT, REMEDIATION & REVITALIZATION

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TO: **Chris Ramaglia** SCDHEC 2600 Bull Street Columbia, SC 29201	**DATE:** March 18, 2016 **PROJECT NO.:** 6251121007.03.01 **PROJ. NAME:** RBTC Fountain Inn **SUBJECT:** Remedial Investigation Report

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By: _____
Paul S. Johnstone, P.G.
Principal Geologist
Direct Phone: (864) 552-9624
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If transmission is not received in good order, please call Paul S. Johnstone at (864) 552-9624

March 18, 2016

Mr. Christopher J. Ramaglia
Environmental Engineer Associate
Bureau of Land & Waste Management
Site Remediation Section
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: **Remedial Investigation Report**
Former Vermont Bosch Site
Fountain Inn, South Carolina
SCDHEC Site ID #52309
Amec Foster Wheeler Project 6251121007.03.01

Dear Mr. Ramaglia:

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) is pleased to submit the subject report on behalf of the Robert Bosch Tool Corporation. Should you have any questions, please do not hesitate to contact Paul S. Johnstone at (864) 552-9624.

Sincerely,

Amec Foster Wheeler

Paul S. Johnstone, P.G.
Principal Geologist
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REMEDIAL INVESTIGATION REPORT

FORMER VERMONT BOSCH SITE
FOUNTAIN INN, SOUTH CAROLINA
SCDHEC SITE ID #52309

Prepared For:

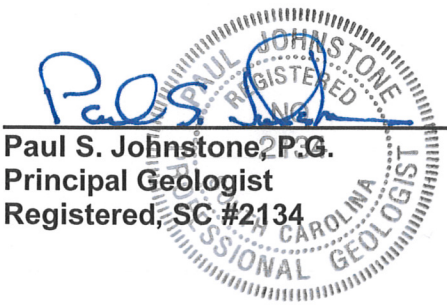
ROBERT BOSCH TOOL CORPORATION
1800 West Central Road
Mount Prospect, Illinois 60056

Prepared by:

Amec Foster Wheeler Environment & Infrastructure, Inc.
37 Villa Road, Suite 201
Greenville, South Carolina 29615

Amec Foster Wheeler Project 6251121007.03.01

March 18, 2016



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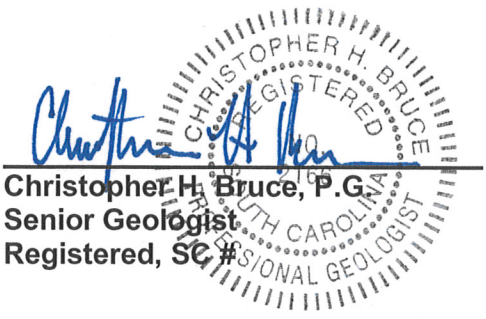

Christopher H. Bruce, P.G.
Senior Geologist
Registered, SC #

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EXECUTIVE SUMMARY

This document presents the Remedial Investigation (RI) Report for the Former Vermont Bosch site (Site) located in Fountain Inn, Greenville County, South Carolina and describes the work conducted by Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler, successor to AMEC Environment & Infrastructure, Inc. (AMEC) and MACTEC Engineering and Consulting, Inc. (MACTEC), on behalf of Robert Bosch Tool Corporation (RTBC) under Voluntary Cleanup Contract (VCC) #05-5613-RP. RBTC, a division of Robert Bosch, LLC, is the successor to Vermont American Corporation (VAC), who manufactured screwdrivers and spade bits at the Site. This RI Report details the investigation activities that took place at the Site beginning in November 2014 and ending in November 2015.

This RI report defines the nature and extent of contaminants at the Site used to assess potential risks to human health receptors in a baseline human health risk assessment (HHRA). The results of the HHRA were used in this RI Report to inform the discussion of the nature and extent of constituents that were determined to pose potential risks to human health receptors.

Site Background and History

The Site is located at 800 Woodside Avenue in Fountain Inn, Greenville County, South Carolina. A site location map is included as **Figure 1.1**. The Site is located northwest of the intersection formed by South Carolina Highway 418 (McCarter Road) and Woodside Avenue. Access to the Site is from either South Carolina Highway 418 (McCarter Road) or Woodside Avenue. The Site is presently developed with a 124,793 square foot former manufacturing facility where screwdrivers and spade bits were manufactured.

The plant is sited in the approximate center of the property. Parking areas are located southeast of the plant followed by a mowed grassy field between the parking area and an adjacent property that fronts McCarter Road. Northeast of the plant are landscaped areas, mowed grassy fields, and Woodside Road. Northwest of the plant are a mowed grassy field and woodlands. Southwest of the plant are a tank containment area, access road, and hazardous waste accumulation area with mowed grassy areas in between.

The Site was developed with the manufacturing plant in 1984 and operations commenced in 1985 as Rosco Tools, a division of VAC, which subsequently became RBTC. Screwdrivers were manufactured initially and spade bit manufacturing was added in 1992. Nickel plating and associated wastewater pretreatment was present in the facility from 1985 to the early 1990s. A self-contained vapor degreaser was used at the facility from 1985 to the early 1990s. Manufacturing operations ceased in November 2003 and the facility was vacant until it was sold in September 2005 to Fountain Inn Investments, LLC (assignee of Liberty Property Development Corporation).

Three primary manufacturing processes were performed at the Site: manufacture of screwdriver handles and other specialty items; screwdriver head manufacturing; and spade bit manufacturing. The process areas were discussed at length previously in the Remedial Investigation and Feasibility Study Work Plan (RI/FS WP; AMEC, 2012).

Site Characterization

Site characterization consisted of a review of previous reports, a review of available literature and references, and collecting surface soil, subsurface soil, sediment, surface water, pore water and groundwater samples for laboratory chemical analysis.

Samples used for the Site characterization included:

- Soils, groundwater, and surface water samples collected from each area of concern during previous field investigations (1996-2005).
- Surface soil samples, subsurface soil samples, sediment samples, pore water samples, surface water samples, and groundwater samples from monitoring wells installed in or near the areas of concern collected during the RI.

Areas of Concern

Based on the results of previous investigations by Amec Foster Wheeler, nine Areas of Concern (AOCs) at the Site have been identified:

AOC #1 Tank Containment and Underground Piping Area
AOC #2 Heat Treat Water Cleaning Disposal Area
AOC #3 Former Metals Baghouse
AOC #4 Former Scrap Metal Rolloff
AOC #5 Former Empty Drum Storage Pad
AOC #6 Compounding Room Blower Exhaust
AOC #7 Storm Water Outfalls
AOC #8 Former Oil/Water Separator
AOC #9 Former Hazardous Waste Accumulation Building.

The AOCs are associated with manufacturing processes at the facility and were previously described at length in the RI/FS WP (AMEC, 2012). Only AOCs #2, #3, #4, #6, #7, #8 and #9 were found to have data gaps requiring further investigation to determine the potential risk associated with the specific AOC and human health and the environment. Those activities and results are discussed in this report.

Nature and Extent of Site-Related Constituents

Soil: The nature and extent of potential Site impacts to soil has been delineated. No surface or subsurface soil samples taken during the RI exceeded the United States Environmental Protection Agency (USEPA), Residential Regional Soil Screening Levels (RSLs) for any contaminants of concern. The HHRA identified unacceptable risk for human health exposed to arsenic, chromium, and benzo(a)pyrene in soils. The on-Site soil risks are considered to be related to background levels of arsenic and chromium, and anthropogenic levels of benzo(a)pyrene. Therefore, remediation goals have not been identified for these on-Site soil COCs.

Surface Water: The nature and extent of potential Site impacts to surface water has been delineated. Surface water samples collected from an unnamed tributary to Stoddard Creek indicate elevated concentrations of tetrachloroethene (PCE). The HHRA did not identify an unacceptable risk for human health posed by exposure to surface water at the Site.

Sediment: The nature and extent of potential Site impacts to sediment has been delineated. The HHRA did not identify an unacceptable risk for human health posed by exposure to sediment at the Site.

Groundwater: The nature and extent of potential Site impacts to groundwater has been delineated. Concentrations of PCE exceeded the SCDHEC Maximum Contaminant Level (MCL) in four of the groundwater samples collected from AOC #9. No other wells had any contaminants of concern at or above USEPA MCLs. The HHRA evaluated the future and current use of Site groundwater and identified an unacceptable risk for human health exposed to chloroform, chromium, and PCE in groundwater. The results of the HHRA indicate that based on residential exposure, chemicals of potential concern (COPCs) retained as chemicals of concern (COCs) include chromium and PCE in on-Site groundwater and chloroform and PCE in off-Site groundwater.

Conclusions of the RI and HHRA

- Soils and Sediment: Based arsenic and chromium concentrations within the range of naturally-occurring metals in South Carolina and an anthropogenic source of benzo(a)pyrene, no further action is needed for soils and sediment based on the assessment of human health risks posed by these media.
- Surface Water: The HHRA did not identify an unacceptable risk for human health posed by exposure to surface water at the Site.
- Groundwater: The groundwater COCs identified have SCDHEC MCLs and these are recommended as the remediation goals. The maximum detected concentrations of chromium and chloroform are less than their MCLs. Therefore, only the on-Site and off-Site concentrations of PCE exceed the proposed groundwater remediation goals. The SCDHEC MCL for PCE (5 µg/L) is less than the PCE residential VISL (5.8 µg/L). Therefore, the PCE MCL is protective of potential inhalation exposures due to vapor intrusion of PCE from groundwater. Concentrations of PCE that do not meet the SCDHEC MCL should be evaluated for remedial action in the Feasibility Study (FS).

The preliminarily-identified Remedial Action Objectives (RAOs) recommended for the Site that will be refined in a FS that evaluates response actions to address potential risks to human health from PCE impact to groundwater include:

- Groundwater: Prevent potable use of groundwater that contains concentrations of PCE that pose potential risks to human health;

1.0 INTRODUCTION

This document presents the Remedial Investigation (RI) Report for the Former Vermont Bosch site (Site) located in Fountain Inn, Greenville County, South Carolina and describes the work conducted by Amec Foster Wheeler Environment and Infrastructure, Inc. (Amec Foster Wheeler), successor to AMEC Environment & Infrastructure, Inc. (AMEC) and MACTEC Engineering and Consulting, Inc. (MACTEC), on behalf of Robert Bosch Tool Corporation (RBTC) under Voluntary Cleanup Contract (VCC) #05-5613-RP. RBTC, a division of Robert Bosch, LLC, is the successor to Vermont American Corporation (VAC), who manufactured screwdrivers and spade bits at the Site.

This RI report defines the nature and extent of contaminants at the Site used to assess potential risks to human health receptors in the baseline human health risk assessment (HHRA) and presents summaries and conclusions of the risk assessments.

As described in the Remedial Investigation/Feasibility Study Work Plan (RI/FS WP) prepared by AMEC (2012), RI investigation activities for the Site were conducted between November 2014 and November 2015. This RI report compiles and interprets the investigative results from the activities of the RI.

1.1 PURPOSE OF REPORT

The primary objectives of the RI report are as follows:

- Evaluate the nature, lateral and vertical extent of contamination (waste types, concentrations and distributions) for affected media including groundwater, soil, surface water, and sediment;
- Identify potential risks to public health or welfare and the environment associated with any release or threatened release of hazardous substances, pollutants, or contaminants at or from the Site into the environment; and
- If potential risks are identified, (1) provide recommendations for any future work to be conducted as part of treatability studies if data limitations are identified, and (2) identify the remedial action objectives that will be used in the Feasibility Study (FS) to address contaminants that pose a potential risk to human health or the environment.

1.2 SITE BACKGROUND

1.2.1 Site Description

The Site is located at 800 Woodside Avenue in Fountain Inn, Greenville County, South Carolina. A Site location map is included as **Figure 1.1**. The Site is located northwest of the intersection formed by South Carolina Highway 418 (McCarter Road) and Woodside Avenue. Access to the Site is from either South Carolina Highway 418 (McCarter Road) or Woodside Avenue. The Site is presently developed with an approximate 125,000 square foot manufacturing facility where screwdrivers and spade bits were formerly manufactured.

The plant is sited in the approximate center of the property. Parking areas are located southeast of the plant followed by a grassy field between the parking area and McCarter Road. Northeast of the plant are landscaped areas, mowed grassy fields, and Woodside Avenue. Northwest of the plant are a mowed grassy field and woodlands. Southwest of the plant are the remnants of a former tank containment area, access road, and the former location of a hazardous waste accumulation building with mowed grassy areas in between.

The Site Areas of Concern (AOCs) are identified as follows, and are shown on **Figure 1.2**:

AOC #1 Tank Containment and Underground Piping Area
AOC #2 Heat Treat Water Cleaning Disposal Area
AOC #3 Former Metals Baghouse
AOC #4 Former Scrap Metal Rolloff
AOC #5 Former Empty Drum Storage Pad
AOC #6 Compounding Room Blower Exhaust
AOC #7 Storm Water Outfalls
AOC #8 Former Oil/Water Separator
AOC #9 Former Hazardous Waste Accumulation Building,

Each of the AOCs are associated with manufacturing processes at the facility and were previously described in the RI/FS WP (AMEC, 2012). AOCs #2, #3, #4, #6, #7, #8 and #9 were found to have data gaps requiring further investigation to determine the potential risk

associated with the specific AOC and human health and the environment. Those investigations and results are discussed in this report.

1.2.2 Site History

The Site was developed with the manufacturing plant in 1984 and operations commenced in 1985 as Rosco Tools, a division of VAC, which subsequently became RBTC. Screwdrivers were manufactured initially and spade bit manufacturing was added in 1992. Nickel plating and associated wastewater pretreatment was present in the facility from 1985 to the early 1990s. A self-contained vapor degreaser was used at the facility from 1985 to the early 1990s. Manufacturing operations ceased in November 2003 and the facility was vacant until it was sold in September 2005 to Fountain Inn Investments, LLC (assignee of Liberty Property Development Corporation). Ownership of the property changed hands twice since 2005 and the Site is presently owned by Wirthwein Real Estate, LLC (Wirthwein). South Carolina Plastics, LLC, a subsidiary of Wirthwein, currently manufactures parts for the automotive industry.

Three primary manufacturing processes were performed at the Site during RBTC's ownership: manufacture of screwdriver handles and other specialty items; screwdriver head manufacturing; and spade bit manufacturing. These processes were previously described in detail in Section 1.2 of the RI/FS WP (AMEC, 2012).

1.2.3 Previous Investigations

Several environmental investigations have previously been conducted by AMEC, formerly MACTEC, at the Site. They include the following, which have previously been provided to the South Carolina Department of Health and Environmental Control (SCDHEC), Bureau of Land and Waste Management.

- Preliminary Site Contamination Assessment, Acetone Release Site, Vermont American Corporation Facility, Fountain Inn, South Carolina (MACTEC Project 30290-6-7856.02), dated December 10, 1996;
- Report of Acetone Tank and Line Testing and Diethyl Phthalate Line Testing, Vermont American Corporation Facility, Fountain Inn, South Carolina (MACTEC Project 30290-7-8046.01), dated August 15, 1997;

- Underground Storage Tank (UST) Assessment Report, Vermont American Corporation, Fountain Inn Division, Fountain Inn, South Carolina, SCDHEC Permit #04235 (MACTEC Project 30200-1-9316-04-917), dated August 21, 2002;
- Report of Phase II Environmental Site Assessment, Vermont American Corporation, Fountain Inn Division, 800 Woodside Avenue, Fountain Inn, South Carolina (MACTEC Project 30200-1-9316-04-917), dated February 4, 2003;
- Second Revised Draft Report of Environmental Services, Vermont American Corporation, Fountain Inn Division, Fountain Inn, South Carolina (MACTEC Project 30200-1-9243-01-917), dated February 5, 2003;
- Results of Field Screening Groundwater Sampling, Robert Bosch Tool Corporation (former Vermont American Corporation), Fountain Inn Division, Fountain Inn, South Carolina (MACTEC Project 3020019316-2, Task 04), dated October 8, 2003;
- Results of Field Screening Sampling, Robert Bosch Tool Corporation (former Vermont American Corporation), Fountain Inn Division, Fountain Inn, South Carolina (MACTEC Project 3020019316-2, Task 05), dated April 18, 2005.

Based on the data collected during these investigations, soil, groundwater, and surface water at the Site have been found to contain concentrations of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals (arsenic, barium, cadmium, chromium, lead, nickel, and selenium), nitrate, nitrite, and total petroleum hydrocarbons-oil & grease (TPH O&G) above the laboratory method detection limits. It should be noted that no samples were collected and analyzed for polychlorinated biphenyls (PCBs) or pesticides as there is no record of PCB or pesticide use during the manufacturing operations at the facility. A detailed account of these previous investigations was provided in Section 3.0 of the RI/FS WP (AMEC, 2012). The criteria for selection for further investigation included five or more detections in surface samples and exceedance of one or more risk-screening levels.

1.3 REPORT ORGANIZATION

Section 2.0 of this report describes the study area investigation. Sections 3.0 through 7.0 summarize the results of the RI, including the most current understanding of Site conditions based on the results of the activities conducted during the RI. The results of the RI investigation are presented in Section 3.0. Sections 4.0 and Section 5.0 describes the nature and extent and fate and transport constituent evaluations based on the results of the

RI. The results of the baseline HHRA are summarized in Section 6.0. Section 7.0 presents the RI Report summary and conclusions. Section 8.0 provides a list of acronyms for terms cited in the report. Section 9.0 presents a list of the documents referenced in this report.

2.0 STUDY AREA INVESTIGATION

Site characterization consisted of a review of available literature and references, performance of a water well survey within one-mile of the Site, and collecting surface soil, subsurface soil, sediment, surface water, pore water and groundwater samples for laboratory chemical analysis.

Samples used for the Site characterization included:

- Soil, groundwater, and surface water samples collected from each area of concern during previous investigations (1996-2005).
- Surface soil samples, subsurface soil samples, sediment samples, pore water samples, surface water samples, and groundwater samples from monitoring wells installed in or near the AOCs collected during the RI.

The field activities, tests, sampling, and analyses conducted during the RI are described in the following sections. The sample locations for the previous investigations are shown on **Figure 2.1**. The sample locations for the RI are presented on **Figures 2.2** through **2.6**.

2.1 SURFACE FEATURES

To evaluate surface features at the Site, Amec Foster Wheeler reviewed aerial photographs and topographical data. Aerial photographs with property boundaries and surface water features were obtained from the Greenville County Geographical Information System (GIS) web site. The United States Geological Survey (USGS) 7.5-Minute Series Topographic Quadrangle Map of Fountain Inn, South Carolina was also reviewed.

Amec Foster Wheeler personnel conducted a reconnaissance of the Site and the surrounding areas to document any significant features that could affect conditions at the Site.

2.2 AREA OF CONCERN INVESTIGATIONS

Based on the review of pre-existing investigation data as summarized in RI/FS WP (AMEC, 2012), soil, groundwater, and surface water at the Site have been found to contain concentrations of VOCs, SVOCs, metals (arsenic, barium, cadmium, chromium, lead, nickel, and selenium), nitrate, nitrite, and TPH O&G above the laboratory method detection limits. AOCs #1 and #5 were found to have sufficient data to determine the potential risk associated with the AOC and human, health, and environment. AOCs #2, #3, #4, #6, #7, #8 and #9 were found to have data gaps requiring further investigation to determine the potential risk associated with the specific AOC and human health and the environment. Therefore, additional investigation was conducted during the RI to complete the data gaps for these AOCs.

2.3 METEOROLOGICAL INVESTIGATIONS

Meteorological data representative of Greenville County, South Carolina was obtained from the Greenville/Spartanburg Airport meteorological tower, located approximately 15 miles north of the Site, at 34° 89' North, 82° 21' West. The climatology of the Greenville location is discussed in Section 3.2.

2.4 SURFACE WATER AND SEDIMENT INVESTIGATIONS

Based on a review of the USGS 7.5-Minute Series Topographic Quadrangle Map of Fountain Inn, South Carolina as well as topography and drainage feature data obtained from Greenville County GIS, drainage basins and creeks were identified in the area of the Site. Based on this review, surface water and sediment samples were collected at selected locations to characterize surface water and sediment in the vicinity of the Site. Surface water and sediment sample locations are shown on **Figure 2.2.** Sampling rationale and locations were described in Section 4.0 of the Field Sampling and Analysis Plan (FSAP) included as Appendix C of the RI/FS WP (AMEC, 2012). Surface water and sediment samples were analyzed for Target Compound List (TCL) VOCs using United States Environmental Protection Agency (USEPA) Method 8260B. Surface water and sediment samples were collected as described in Section B2 (pages B4 thru B7) of the Quality Assurance Project Plan (QAPP) included as Appendix B of the RI/FS WP (AMEC, 2012).

In November 2014, surface water samples SW-09-01 through SW-09-13 and sediment samples SD-09-01 through SD-09-09 were collected from the unnamed tributary to Stoddard Creek located southwest of the Site. These samples were collected to further delineate the horizontal and vertical extent of off-Site contamination from AOC #9 (Former Hazardous Waste Accumulation Building). The surface water samples were screened for the presence of chlorinated solvents using the Color-Tec method, which was described in Section B4 of the QAPP (AMEC, 2012). Nine of the collected surface water samples (those with the highest Color-Tec readings) and all of the sediment samples were delivered via courier under chain of custody protocol to Analytical Environmental Services, Inc. (AES), located in Atlanta, Georgia, for analysis of TCL VOCs. For informational purposes, field measurements of pH, conductivity, temperature, dissolved oxygen (DO), and oxidation reduction potential (ORP) were collected from each surface water sampling location. Surface water and sediment field data records (FDRs), including Color-Tec field screening results, are located in **Appendix A**. Equipment calibration records are included in **Appendix B**.

2.5 GEOLOGICAL INVESTIGATIONS

Geological investigation activities conducted at the Site included: review of historical documentation of the regional and Site-specific geology, subsurface soil sampling for lithology and lithological logging of rock chips obtained from borings conducted for the installation of both on-Site and off-Site groundwater monitoring wells.

During the RI, soil borings were conducted for subsurface soil sampling and monitoring well installation using direct-push technology (DPT), hollow stem augers, or air hammer drilling techniques. Soil samples were collected for lithologic characterization from the ground surface to the top of rock. Overburden and bedrock borings were conducted as described in Section B2 (pages B8 thru B10) of the project QAPP (AMEC, 2012). A detailed description of monitoring well installation procedures are discussed in Section B2 (pages B10 thru B12) of the project QAPP (AMEC, 2012).

2.6 SOIL INVESTIGATIONS

2.6.1 Surface Soil Investigation

Surface soil samples were collected as part of the identified data gap at AOC #7 (Storm Water Outfalls) in order to further delineate the horizontal and vertical extent of surface soil contamination. Three surface soil samples were taken using a hand auger in November 2014. Each sample was taken at the pre-determined depth and location established in the FSAP (AMEC, 2012). Based on the results of three initial samples, an additional five surface soil samples were collected in November 2015. Surface soil sampling locations are shown on **Figure 2.3**. Surface soil samples were collected as described in Section B2 (pages B2 thru B3) of the QAPP (AMEC 2012).

The samples were transported via courier under chain of custody protocol to AES and analyzed for polynuclear aromatic hydrocarbons (PAHs) by USEPA Method 8270D.

2.6.2 Subsurface Soil Investigation

A total of 19 soil borings were advanced using a DPT drill rig in November 2014 and July 2015. These soil borings were conducted at the Site to further delineate the horizontal and vertical extent of soil contamination in AOC #4 (Former Scrap Metal Rolloff), AOC #6 (Compounding Room Blower Exhaust), AOC #8 (Former Oil/Water Separator Area), and AOC #9 (Former Hazardous Waste Accumulation Building). Soil boring locations are presented on **Figure 2.4**. Soil boring logs are included in **Appendix C**.

Each boring was advanced to and sampled at the pre-determined depths established in the FSAP (AMEC, 2012). Termination depths ranged from four feet below ground surface (bgs) to 24 feet bgs. Subsurface soil samples were collected as described in Section B2 (pages B3 thru B4) of the QAPP (AMEC, 2012). Field screening was conducted on the six AOC #9 soil borings (SB-09-01 through SB-09-06) for the presence of organic vapors using a photo-ionization detector (PID). Equipment calibration records are included in **Appendix B**.

The subsurface soil samples were transported via courier under chain of custody protocol to AES and analyzed for TCL VOCs by USEPA Method 8260B and TCL SVOCs by USEPA Method 8270D.

2.7 GROUNDWATER INVESTIGATIONS

Groundwater investigation activities conducted at the Site included: review of historical documentation of the regional and Site-specific hydrogeology, a water well survey within one-mile of the Site, pore water sampling adjacent to the unnamed tributary to Stoddard Creek, and the installation, development, purging and sampling of both on-Site and off-Site groundwater monitoring wells.

2.7.1 Water Well Survey

Based on records review, discussions with local residents, and a drive-by visual assessment of the area conducted within a one-mile radius of the Site, there is no indication that properties within the survey area are serviced by private wells.

2.7.2 Pore Water

Pore water samples were collected from 14 locations along the unnamed tributary to Stoddard Creek. The pore water samples were screened for the presence of chlorinated solvents using the Color-Tec method, which was described in Section B4 of the QAPP (AMEC, 2012). Seven of the collected pore water samples (those with the highest Color-Tec readings) were delivered via courier under chain of custody protocol to AES for analysis for TCL VOCs by USEPA Method 8260B. For informational purposes, field measurements of pH, conductivity, temperature, DO, and ORP were collected from each pore water sampling location. The pore water sampling locations are shown on **Figure 2.5.** Pore water FDRs, including Color-Tec field screening results, are located in **Appendix A**.

2.7.3 **Monitoring Wells**

During the RI, a permanent groundwater monitoring system was installed consisting of eighteen shallow (top of rock) and six deep (deep saprolite/bedrock) monitoring wells on and off Site. One shallow monitoring well (MW-08-01) and one background well (B-1) were installed on Site prior to the RI. The shallow monitoring wells were designated MW-08-03, MW-08-04, MW-08-05, MW-09-06, MW-09-07, MW-09-09, MW-09-10, MW-09-11, MW-09-13, MW-09-14, MW-09-15, MW-09-17, MW-03-20, MW-03-21, MW-04-22, MW-04-23, MW-02-24, and MW-09-25. At each shallow location, hollow-stem augers were advanced until auger refusal was encountered, (i.e., approximate bedrock surface). Each well was then set as a top of rock well. The on-Site deep saprolite/bedrock monitoring wells were installed at locations designated as MW-08-2D, MW-09-08D, MW-09-12D, MW-09-16D, MW-09-18D, and MW-09-19D. The deep saprolite monitoring wells were installed using hollow-stem auger drilling techniques and the bedrock monitoring wells were installed using hollow-stem auger and air hammer bedrock drilling techniques.

Shallow well depths range from 19 feet bgs to 27 bgs. The shallow monitoring wells each have a screen length of 10 feet. Deep well depths range from 72 feet bgs to 92 feet bgs. The deep monitoring wells have screen lengths of either 5 feet or 10 feet. Following well installation, each monitoring well was developed and sampled. A detailed description of the monitoring well installation and sampling procedures was included in Section B2 (pages B10 thru B16) of the QAPP (AMEC, 2012). The monitoring well locations are shown on **Figure 2.6**. A summary of the monitoring well construction details is included as **Table 2.1**. Soil boring logs generated during monitoring well installation are included in **Appendix C**. Monitoring well construction diagrams and SCDHEC Form 1903 are provided in **Appendix D**. Monitoring well development FDRs are presented in **Appendix A**.

2.7.4 Monitoring Well Installation

Monitoring well installation occurred during two separate mobilizations between November 2014 and July 2015. From November 2014 to December 2014, Amec Foster Wheeler installed twenty-one new groundwater monitoring wells as described in the RI/FS WP (AMEC 2012). In July 2015, after the demolition of the Former Hazardous Waste

Accumulation Building (AOC #9), Amec Foster Wheeler installed the remaining two on-Site groundwater monitoring wells (MW-09-07 and MW-09-08D) as described in the RI/FS WP (AMEC, 2012). One additional shallow off-Site well (MW-09-25) was also installed to further define the horizontal extent of contamination based on the January 2015 groundwater sampling.

Shallow monitoring wells that were installed during the first mobilization included MW-08-03, MW-08-04, MW-08-05, MW-08-06, MW-09-09, MW-09-10, MW-09-11, MW-09-13, MW-09-14, MW-09-15, MW-09-17, MW-03-20, MW-03-21, MW-04-22, MW-04-23, MW-02-24. Shallow monitoring wells installed during the second mobilization included MW-09-07 and MW-09-25.

Deep monitoring wells installed during the first mobilization included MW-08-2D, MW-09-12D, MW-09-16D, MW-09-18D AND MW-09-19D). Deep monitoring well MW-09-08D was installed during the second mobilization.

Following completion of well development, the monitoring wells were surveyed for horizontal and vertical control by Freeland and Associates located in Greenville, South Carolina.

2.7.5 Monitoring Well Development

All newly installed monitoring wells were developed by the drilling contractor as soon as practical after well installation, but no sooner than 48 hours following placement of the grout seal. A detailed description of the monitoring well development procedures was included in Section B2 (pages B13 thru B14) of the QAPP (AMEC, 2012).. Development of wells was accomplished with an electric submersible pump. The wells were surged and the pump was periodically raised and water allowed to drain back into the well in order to induce flow out through the well screen. Water was not added to the well to aid in development. Non-dedicated submersible pumps were decontaminated prior to use and in between each well. The wells were considered developed when the purged groundwater was clear to the unaided eye. Well development records for wells installed during the RI are included in **Appendix E**.

2.7.6 Monitoring Well Purging and Groundwater Sample Collection

Prior to purging and sampling each well, the depth to groundwater and total well depth were measured in each existing monitoring well using an electronic water level indicator. The water level meter was decontaminated with an Alconox® and water mixture and rinsed with potable water prior to starting activities and between each well. The depth to groundwater was measured from a marked survey reference point at the top of well casing to the groundwater surface in each monitoring well. Measurements were recorded to the nearest 0.01 foot. The depth to the groundwater was subtracted from the surveyed elevation of the top of well casing reference point to determine the groundwater elevation. The most recent, complete, groundwater elevation data was collected on August 13, 2015 and is presented on **Table 2.2**.

The monitoring wells were purged prior to sampling to provide fresh formation water for analysis. A detailed description of the monitoring well purging and sampling procedures was included in Section B2 (pages B14 thru B17) of the QAPP (AMEC, 2012).Purging was conducted using the low flow/low stress purging method. The low flow/low stress method consists of removing water from a monitoring well at a flow rate that does not exceed the recharge rate of the monitoring well. The monitoring wells were purged with a peristaltic pump. Purging was conducted until the pH, DO, ORP, turbidity, and temperature measurements stabilized.

During the January 2015 sampling activities, for informational purposes, field water quality parameters (pH, specific conductance, DO, ORP, and temperature) were measured using either a YSI Professional Plus or YSI 556 multi-meter. Turbidity was measured with a Hanna 98703 turbidity meter. During the July 2015 sampling activities, for informational purposes, field water quality parameters (pH, specific conductance, DO, ORP, and temperature) were measured using a Hanna 98194 water quality meter. Turbidity was measured with a Hach 2100Q. All meters were calibrated on a daily basis according to the manufacturer's instructions. Equipment calibration records are included in **Appendix B**. Purging was terminated and samples were collected for analysis when all water quality parameters were stabilized. Stabilization of parameters was defined as three consecutive readings having acceptable variations as indicated below:

pH of +/- 0.1 standard units

Temperature +/- 0.5 degrees Celsius (ºC)

Specific Conductance of +/- 3 % variation

ORP of +/- 10 millivolts (mV)

DO of +/-10 %

Turbidity of +/- 10 % nephelometric turbidity units (NTUs), but less than or equal to 10 NTU was considered ideal for metals analysis.

Groundwater sampling was conducted after the first and second well installations. The monitoring wells installed during the first mobilization and existing well MW-08-01 were sampled on January 27, 28 and 29, 2015. The monitoring wells installed during the second mobilization were sampled on July 17, 2015. FDRs for the groundwater sampling activities are included as **Appendix A**. To minimize the potential for cross-contamination between sampling locations, all disposable sampling equipment (tubing, gloves, etc.) was changed between each well.

Groundwater samples were collected into laboratory-prepared and preserved sample containers and marked with a unique identifying number. The samples were packed in a cooler with ice and shipped or delivered by courier under chain of custody protocol to AES for analysis. Depending on the AOC, the samples were analyzed for TCL VOCs by USEPA Method 8260B, TCL SVOCs by USEPA Method 8270D, Target Analyte List (TAL) metals by USEPA Methods 6010C/7470A, and/or total petroleum hydrocarbons-diesel range organics (TPH-DRO) by USEPA Method 8015C.

2.8 HUMAN POPULATION SURVEYS

Information for human population surveys for the Site and surrounding area were obtained from the United States Census Bureau (USCB), the South Carolina State Data Center (SCSDC), the American Community Survey (ACS), the United States Department of Energy (USDOE), the South Carolina Department of Employment and Workforce (SCES), the Fountain Inn Chamber of Commerce (FICC).

2.9 INVESTIGATIVE DERIVED WASTE

Investigative derived waste (IDW) generated during RI field activities consisted of soil cuttings, development water, and purge water.

3.0 PHYSICAL CHARACTERISTICS OF STUDY AREA

The results of the investigation on the physical characteristics of the Site and surrounding areas to define potential transport pathways and receptor populations are presented below.

3.1 SURFACE FEATURES

The area surrounding the Site is a mix of industrial and commercial properties, residential properties, and undeveloped land. The Site is bordered to the northeast by Woodside Avenue, a United States Post Office, and residential properties. The Site is bordered to the southeast by McCarter Road (South Carolina Highway 418), residential properties, industrial properties, and undeveloped land. The Site is bordered to the northwest by baseball fields (recreation complex), residential properties, and undeveloped land. The Site is bordered to the southwest by an industrial property and undeveloped land.

The Piedmont surface surrounding the Site is comprised mostly of primarily developed land consisting of a mix of industrial, commercial and residential land use. The main drainage feature of the Site is the unnamed tributary to Stoddard Creek, located to the south/southwest of the Site.

3.2 METEOROLOGY

The meteorological data determined to be representative of Greenville County, South Carolina by the SCDHEC are from the Greenville/Spartanburg Airport meteorological tower, located approximately 15 miles north of the Site. The daily maximum and minimum temperatures, monthly average and maximum precipitation, and the monthly maximum 24-hour precipitation are shown in **Table 3.1**.

The following description of the climate for the Greenville area is from the National Climactic Data Center (http://ncdc.noaa.gov). Greenville is located in the Piedmont of the Carolinas, a transitional area of rolling country between the mountains to the north and the Coastal Plain to the southeast. The mountains are to the north about 55 miles from Greenville. The

general elevation of the area around Greenville is about 966 feet. The Atlantic Ocean is about 200 miles southeast.

Greenville enjoys a moderate climate, characterized by cool winters and quite warm summers. Temperatures fall as low as the freezing point on a little over two-third of the days in the winter months. Winter weather is changeable, with occasional cold periods, but extreme cold is rare. Snow is infrequent, and the first snowfall of the season usually comes in late November or December. Heavy snowfalls have occurred, but any appreciable accumulation of snow on the ground for more than a day or two is rare. Summers are long and quite warm, with afternoon temperatures frequently in the low 90s. On the average, the last occurrence in spring with a temperature of 32 degrees is early May. In the fall, the average first occurrence of 32 degrees is early November.

Rainfall is generally rather evenly distributed throughout the year, the driest weather usually coming in the April. Summer rainfall comes principally from thunderstorms with occasional dry spells of one to three weeks duration. Hurricanes which strike the Carolina coast may produce heavy rain but seldom cause dangerous winds.

3.3 SURFACE WATER HYDROLOGY

The Site is located along the southwest flank of northwest to southeast trending topographic ridge. Two smaller topographic ridges, trending generally northeast to southwest, lie in the northwestern and southeastern portions of the Site separated by a small topographic low. According to the USGS 7.5-Minute Series, Topographic Map, Fountain Inn, South Carolina Quadrangle, the elevation of the Site ranges from approximately 258 meters (846 feet) above the National Geodetic Vertical Datum (NGVD) of 1929 in the northern portion of the Site to approximately 249 meters (817 feet) in the southern portion of the Site. Surface water drainage in the undeveloped portions of the Site is estimated to be overland sheet flow controlled by surface topography. A series of storm water catch basins are present around the periphery of the facility building that receives drainage from the areas surrounding the building. The storm water catch basins and subgrade piping direct stormwater flow to two outfalls; one located in the southern portion of the Site (Outfall 001)

and one located in the northern portion of the Site (Outfall 002). A map showing the surface water bodies in the Site area is presented in **Figure 3.1**.

3.4 GEOLOGY

The Site is located in the Piedmont Physiographic Province. Based on published literature, the Site is underlain at depth by the Inner Piedmont block, which consists of a stack of thrust sheets consisting of a variety of gneisses, schists, and amphibolites. According to the *Geologic Map of the Crystalline Rocks of South Carolina* (USGS, 1965), the bedrock in the Site area is described as biotite schist (MpCs) consisting primarily of gray to black, fine- to coarse-grained, scaly biotite schist and biotite-muscovite-oligoclase schist, with thin layers of biotite gneiss, granitoid gneiss, quartz schist, quartzite, marble, calc-silicate rocks, and hornblende schist. The bedrock is generally overlain by a mantle of residual soil, referred to as “saprolite”, formed by the in-place weathering of the bedrock. Fractures, joints, and the presence of less resistant rock types facilitate weathering. The typical soil profile consists of clayey soils near the ground surface transitioning to sandy silts and silty sands that generally become harder with depth to the top of the parent rock. Bedrock outcrops have not been observed on the Site and major geologic features, such as faults, are not documented within the Site area in the reviewed published literature.

Information regarding the area soils was obtained from the United States Department of Agriculture (USDA) *Soil Survey of Greenville County, South Carolina* (USDA, 1975). The soils beneath the Site are mapped as the Appling sandy loam (2 to 6% slopes) and the Wehadkee soils. The Appling series consists of gently sloping soils that are well drained. These soils formed in material that weathered from granite, gneiss, and schist. The native vegetation is a mixed hardwood and pine forest that has an understory of vines, briers, and native grasses. In a representative profile, the surface layer is dark grayish-brown sandy loam about eight inches thick. The subsoil is about 36 inches thick. In sequence from the top, the subsoil is light yellowish-brown clay, about six inches thick; yellowish-brown clay, about six inches thick that has that has reddish-yellow mottles; reddish-yellow clay, 12 inches thick, that has strong-brown and red mottles; and mottled brownish-yellow, strong-brown, and red clay 12 inches thick. The underlying material, extending to a depth of 62 inches, is mottled red, yellowish-brown, and gray, weathered gneiss rock. Permeability is

moderate and the available water capacity is medium. The Appling sandy loam is present on broad ridges.

The Wehadkee soils are in poorly drained, elongated areas on the flood plain of creeks and rivers. The elongated areas are generally adjacent to the uplands. Wehadkee silt loam and closely similar, poorly drained to moderately well drained soils characterize this mapping unit.

Subsurface soils at the Site consist generally of sandy silts, with some clay and fine to coarse sand. Lithologic cross-sections for the Site are provided in **Figure 3.2**.

3.5 SOILS

The typical soil profile consists of clayey soils near the ground surface transitioning to sandy silts and silty sands that generally become harder with depth to the top of the parent rock. Soil boring logs from subsurface soil sampling and monitoring well installation activities are located in **Appendix C**.

3.6 HYDROGEOLOGY

In the Piedmont Physiographic Province, groundwater generally occurs under water table conditions and is stored in the overlying mantle of residuum and in the structural features present in the underlying rock (i.e., joints, fractures, and faults). Recharge to the water table is primarily by precipitation infiltrating the upper soils and percolating downward, under the influence of gravity, to the groundwater table. Typically the groundwater is not a level surface, but a subdued replica of the land surface. Also, depth to the water table is variable, being dependent on many factors which include: the amount of rainfall, the permeability of the residuum, the extent of fracturing in the underlying rock, and the amount of groundwater being pumped from the area.

Groundwater generally flows in directions subparallel to the ground surface slopes and under the influence of gravity toward points of discharge such as creeks, swamps, drainage swales, or pumped groundwater wells. Significant surface drainage features as well as

subsurface stratigraphy can affect groundwater conditions. Based on review of the USGS 7.5-Minute Series, Topographic Map, Fountain Inn, South Carolina Quadrangle, shallow groundwater flow is expected to flow generally from the northeast to the southwest in the Site area, ultimately discharging to Stoddard Creek. During the RI a permanent groundwater monitoring system consisting of 18 shallow and 6 bedrock monitoring wells was installed at the Site. One shallow monitoring well (MW-08-01) was installed at the site prior to RI activities. The general rationale for the installation of monitoring wells, as outlined in the RI/FS WP (AMEC, 2012), was to: allow an evaluation of potential impacts to the overburden and bedrock aquifer from the former manufacturing activities at the Site; and to better understand the hydrogeology of the area.

3.6.1 Groundwater Elevations

Water levels were collected using an electronic water level meter. Prior to conducting water level measurements, the depth markings on the water level tape were verified using a commercial tape measure. At each monitoring well, the well cap was removed and the well was allowed to equilibrate. Measurements were made from a reference point at the top the well casing from a mark that had been made indicating the highest point of the casing. Depth measurements were recorded to the nearest 0.01 foot. Generally, for each water level monitoring event, depth to groundwater measurements were obtained within a 24-hour period.

Depth to groundwater measurements obtained from twenty five wells, along with background well B-1 on August 13, 2015 indicate that groundwater flow at the Site is generally to the southwest. Groundwater elevations in the shallow portion of the aquifer ranged from 822.43 feet above mean sea level (MSL) in monitoring well B-14 to 792.14 feet above MSL in monitoring well MW-09-25. The groundwater elevations in deep portion of the aquifer ranged from 820.04 feet above MSL in monitoring well MW-08-2D to 794.34 feet above MSL in monitoring well MW-09-18D (see **Table 2.2**). A water table elevation contour map and a bedrock groundwater elevation contour map for the August 2015 water levels is presented in **Figure 3.3** and **Figure 3.4**, respectively.

3.6.2 Groundwater Gradients and Flow Directions

The vertical gradient at the Site was evaluated using the groundwater elevations from monitoring well pairs screened in the shallow and deep portions of the aquifer. Groundwater elevations were measured in well pairs MW-08-01/MW-08-2D, MW-09-09/MW-09-8D, MW-09-11/MW-09-12D, MW-09-15/MW-09-16D, and MW-09-17/MW-09-18D. A downward flow potential was noted for all the well pairs with the exception of well pair MW-09-07/MW-09-8D and MW-09-11/MW-09-12D where upward flow potentials were noted. The average downward vertical gradient was 0.022. The average upward vertical gradient was -0.002. The average horizontal gradient in the shallow and deep portions of the aquifer is 0.023. The average horizontal gradient in the shallow portion of the aquifer is 0.026 and the average horizontal gradient in the bedrock portion of the aquifer is 0.020. Gradient calculations are included as **Appendix F**.

3.6.3 Groundwater Flow Rates

Hydraulic conductivity (slug) testing was performed at eight monitoring wells (MW-08-01, MW-08-03, MW-08-04, MW-09-09, MW-09-11, MW-09-15, MW-09-16D, and MW-09-17. Hydraulic conductivity test results are summarized on **Table 3.2**. Slug test data is included in **Appendix G**.

The hydraulic conductivity values (K) obtained from the hydraulic conductivity (slug) testing and horizontal hydraulic gradients (i) described in Section 3.6.2 were used to estimate average groundwater flow rates (V) at the Site using Darcy's equation:

$$V = Ki/ne$$

Where:
V = velocity of groundwater (feet/day)
K = hydraulic conductivity (feet/day)
i = gradient in (unitless)
ne = effective porosity (percent, estimated to be 25 for sands)

Based on hydraulic conductivities presented in **Table 3.2**, the K was estimated to range from 0.3995 feet/day to 10.91 feet/day. The groundwater velocity can be expected to vary due to heterogeneity in the hydrogeologic conditions at individual locations and the velocity of dissolved VOCs in groundwater will be less than the velocity of water alone due to sorption (retardation) of VOCs on aquifer materials. Based on estimates of K, minimum and maximum groundwater seepage velocity is approximately 8.57 feet/year and 530.21 feet/year, respectively. Groundwater velocity calculations are included as **Appendix F**.

3.7 DEMOGRAPHY AND LAND USE

3.7.1 Demography

Greenville County encompasses approximately 795 square miles and contains six cities, one of which is Fountain Inn where the Site is located. According to information obtained from the USCB, the total population of Greenville County is estimated at 451,225 with a population density of 575 persons per square mile. Based on information from the USCB and the SCSDC, the estimated population for the City of Fountain Inn is 5,790. The City of Fountain Inn has a geographic area of approximately 5.12 square miles and a population density of 1,132 persons per square mile. The minority population of Fountain Inn is 39.5 percent minority, compared to a minority population for Greenville County of approximately 29.7 percent. **Table 3.3** presents socio-economic factors for Greenville County and the City of Fountain Inn.

Low-income populations are identified as those communities within the region for which the percent of the population living in poverty exceeds 25 percent (USDOE, 1996). According to 2000 census information, almost 9.4 percent of persons are below the poverty level for the City of Fountain Inn. This proportion is consistent with 2008 poverty level estimates from the ACS indicating a state average of 15.7 percent.

Based on population information obtained from the USCB and the CRCOG, the estimated population within a one-mile radius of the Site is approximately 1,132.

According to the USCB, the SCES and the FICC, the labor force in the City of Fountain Inn is divided between manufacturing and non-manufacturing positions. The majority of the manufacturing jobs involve fabrication, machinery and automotive related industry. The most recent unemployment rate for Greenville County was 5.1 percent in September 2015. Recent unemployment statistics were unavailable for the City of Fountain Inn.

There are no known schools or day care centers within 200 feet of the Site. One school is located within one mile of the Site. Residential properties are located within 0.05 mile of the Site and are located to the north along Woodside Avenue and to the east along Highway 418 and Nash Street. Only Fountain Inn Elementary School is located within the City of Fountain Inn. There are also several small parks and recreational areas within the City of Fountain Inn.

3.7.2 Land Use

The area surrounding the Site is a mix of industrial and commercial properties, residential properties, and undeveloped land. The Site is bordered to the northeast by Woodside Avenue, a United States Post Office, and residential properties. The Site is bordered to the southeast by McCarter Road (South Carolina Highway 418), residential properties, industrial properties, and undeveloped land. The Site is bordered to the northwest by baseball fields (recreation complex), residential properties, and undeveloped land. The Site is bordered to the southwest by an industrial property and undeveloped land.

3.8 ECOLOGY

The habitats characterized in this RI include the following exposure areas: terrestrial and the unnamed Tributary to Stoddard Creek.

3.8.1 Terrestrial Area

The Site is mostly cleared with some areas of paved parking and grass.

3.8.2 Unnamed Tributary to Stoddard Creek

The unnamed tributary to Stoddard Creek begins as a seep between the Site (in the AOC #9 area) and the Fort Dearborn Corporation facility (former Sherwin Williams). Where the seep discharges to the surface, the tributary is approximately two to three feet wide and one inch to six inches deep, and the channel banks are moderately steep to shallow. The substrate is largely sand and is often overlain by a thick layer of leaf litter.

Dense vegetation along the unnamed tributary to Stoddard Creek consists of a hardwood species including oaks, maples and pines in the canopy layer and thick brush and briars in the undergrowth. Adjacent land on the west side is generally wooded, but land to the north and south of the tributary is developed or cleared.

4.0 NATURE AND EXTENT OF CONSTITUENTS

This section describes the nature and extent of the principal Site-related chemical constituents present within Site media by defining the source areas and describing the nature and extent of impacts to groundwater, soils, surface waters, and sediment, based on the RI activities. A Site Conceptual Model (SCM) is presented as **Figure 4.1**.

4.1 SOURCES OF CONTAMINATION

Areas that are a source of constituents of potential concern (COPCs) include the nine previously identified and described AOCs (RI/FS WP, AMEC 2012) that were all part of the prior manufacturing activities at the Site.

Based on previous investigations, the individual AOCs considered as potential sources of COPCs include: AOC #1 (acetone), AOC #2 (nitrate and nitrite), AOC #3 (metals), AOC #4 (VOCs, SVOCs, metals, and TPH O&G), AOC #5 (VOCs, SVOCs, metals, and TPH O&G), AOC #6 (SVOCS), AOC #7 (VOCs, SVOCs, metals, and TPH O&G), AOC #8 (VOCs, SVOCs, metals, and TPH O&G), and AOC #9 (VOCs and SVOCs).

Based on the results of previous environmental investigations and the results of the RI, COPCs with concentrations detected above the laboratory's Reporting Limit (RL) or estimated concentrations between the RL and the Method Detection Limit (MDL) were carried forward for risk screening.

4.1.1 Migration Pathways

The principal routes of migration for releases of COPCs to surface and subsurface soils at the Site include leaching of source residuals from surface and subsurface soils to groundwater, migration of impacted groundwater, discharge of impacted groundwater to surface water, and surface water runoff.

4.1.1.1 Infiltration of Precipitation and Groundwater Discharge

Infiltration of precipitation through surface and subsurface soils provides recharge to the aquifer system. Where shallow groundwater is present, infiltration would recharge shallow groundwater and subsequently deeper groundwater in the bedrock in areas where downward vertical gradients exist. Groundwater will discharge to surface water features (streams and creeks).

4.1.1.2 Storm Water Runoff

Precipitation that does not infiltrate into Site soils will result in storm water runoff and overland flow to surface drainages. Visual inspection of the Site does not indicate that overland migration of soils from the Site due to storm water runoff is an important migration pathway.

4.1.2 Site Boundaries

The Site is approximately 15.6 acres in size and consists of a single parcel of land. Based on the results of the RI, surface water impacts in the unnamed tributary to Stoddard Creek are bounded in downstream reaches as evidenced by the lower concentrations of tetrachloroethene (perchloroethylene, or PCE) and by upstream reaches where PCE was not detected. Based on the monitoring well network and screened intervals, groundwater impacts are bounded by monitoring wells where the groundwater samples indicate the absence of PCE above the SCDHEC maximum contaminant level (MCL).

4.2 SURFACE WATER AND SEDIMENT

4.2.1 Surface Water

Analytical results from surface water samples collected from the unnamed tributary to Stoddard Creek downgradient from AOC #9 were compared to SCDHEC Water Quality Criteria (WQC) to evaluate the level and potential extent of impact to the unnamed tributary downgradient of the Site due to waste handling activities. Surface water samples were

collected from eleven locations along the unnamed tributary to Stoddard Creek and nine samples were sent to AES for analysis. The surface water sampling locations are shown on **Figure 2.2.** Other than PCE, no other VOCs were detected in the surface water samples. PCE exceeded the WQC at six of the surface water locations (SW-09-04, SW-09-05, SW-09-06, SW-09-07, SW-09-08, and SW-09-12. The results of the surface water sampling are provided in **Table 4.1**. Laboratory analytical results for the surface water samples are included in **Appendix H**.

4.2.2 Sediments

Analytical results from sediment samples collected from the unnamed tributary to Stoddard Creek located downgradient from AOC #9 were compared to USEPA Residential Regional Soil Screening Levels (RSLs; USEPA, 2015b) and risk-based Soil Screening Levels (SSLs: USEPA 2015b) to evaluate the level and potential extent of impact to the unnamed tributary to Stoddard Creek downgradient of the Site due to waste handling activities. Sediment samples were collected from nine locations along the unnamed tributary to Stoddard Creek. The sediment sampling locations are shown on **Figure 2.2**. Only PCE was detected at concentrations above the laboratory's RL. Methylene chloride was reported at estimated concentrations ("J" flagged). The concentrations of PCE or estimated concentrations of methylene chloride did not exceed their respective USEPA Residential RSLs. Three of the detected concentrations of PCE exceeded its risk-based SSL. Five of the seven estimated concentrations of methylene chloride exceed its risk-based SSL. It should be noted that methylene chloride is a common laboratory contaminant. The results of the sediment sampling are provided in **Table 4.2**. Laboratory analytical results for the sediment samples are included in **Appendix H**.

4.3 SURFACE SOIL

Based on previous soil sampling conducted at AOC #7, concentrations of VOCs and SVOCs (other than PAHs) were not detected above the laboratory's RL in the soil samples analyzed for these analytes. However, one soil sample collected at the end of the concrete spillway downgradient from the northern stormwater outfall (Outfall 002) during previous investigation activities (OF-2/2A) had concentrations of PAHs above the USEPA

Residential RSLs; therefore, in order to fill gaps in the data, additional sampling was conducted at Outfall 002 of AOC #7 for PAHs to further delineate the horizontal and vertical extent of soil contamination. In November 2014, three (3) surface soil samples (SS-07-01, SS-07-02 and SS-07-03) were collected. There was no surface soil within Outfall 002, so a sample of soil in the concrete spillway outside of the outfall was collected (SS-07-01).

Based on the laboratory analytical results of first three samples, an additional five (5) surface soil samples (SS-07-04 thru SS-07-08) were collected in November 2015. Samples SS-07-04 through SS-07-06 were collected from the parking area adjacent to the baseball fields near Woodside Avenue. Samples SS-07-07 and SS-07-08 were collected downstream of the termination of the concrete spillway, further downgradient from previous sample location OF-2/2A. Surface soil sampling locations for both sampling events are shown on **Figure 2.3**.

Benzo(b)fluoranthene was detected above the laboratory's RL in one sample (SS-07-07). An estimated concentration of phenanthrene was reported in one sample (SS-07-07). Estimated concentrations of fluoranthene were reported in five samples (SS-07-01, SS-07-04, SS-07-05, SS-07-07, and SS-07-08). Estimated concentrations of pyrene were reported in four samples (SS-07-04, SS-07-05, SS-07-07, and SS-07-08). Estimated concentrations of benzo(a)anthracene, chrysene, benzo(a)pyrene, benzo(g,h,i)perylene, and indeno(1,2,3-cd)pyrene were reported in three samples (SS-07-04, SS-07-07, and SS-07-08). Estimated concentrations of benzo(b)fluoranthene were reported in four samples (SS-07-01, SS-07-04, SS-07-05, and SS-07-08).

Three sampling locations had estimated concentrations of PAHs that exceeded the USEPA Residential RSLs and/or USEPA risk-based SSL for benzo(a)anthracene, benzo(b)fluoranthene, and benzo(a)pyrene (SS-07-04, SS-07-07, and SS-07-08). SS-07-05 exceeded the USEPA risk-based SSL for benzo(b)fluoranthene. Sample SS-07-4 was located upstream from Outfall 002 and samples SS-07-07 and SS-07-08 were located downstream from Outfall 002. Surface soil laboratory findings are summarized in **Table 4.3**. Laboratory analytical results for the surface soil samples are included in **Appendix H**.

4.4 SUBSURFACE SOIL

As part of the RI, a total of 19 soil borings were installed at the Site to further delineate the horizontal and vertical extent of soil contamination in AOC #4 (Former Scrap Metal Rolloff), AOC #6 (Compounding Room Blower Exhaust), AOC #8 (Former Oil/Water Separator Area) and AOC #9 (Former Hazardous Waste Accumulation Building). The borings were advanced using a DPT drill rig on November 13, 2014 (AOC #4, #6 and #8) and July 7, 2015 (AOC #9). Soil boring locations are presented on **Figure 2.4**. The results of the subsurface soil sampling are provided in **Table 4.4**. Laboratory analytical results for the subsurface soil samples are included in **Appendix H**.

At AOC #4, three shallow soil borings (SB-04-01, SB-04-02 and SB-04-03) were advanced and a total of three subsurface soil samples were collected to evaluate the vertical extent of COPCs at the AOC. Only estimated concentrations of methylene chloride were reported in the soil samples and the estimated concentrations did not exceed its USEPA Residential RSLs but did exceed its USEPA risk-based SSL. It should be noted that methylene chloride is a common laboratory contaminant.

At AOC #6, two shallow soil borings (SB-06-01 and SB-06-02) were advanced and a total of four subsurface soil samples were collected to evaluate the vertical extent of COPCs at the AOC. Only estimated concentrations of bis(2-ethylhexyl)phthalate, diethyl phthalate, and methylene chloride were reported in the soil samples. The estimated concentrations of bis(2-ethylhexyl)phthalate, diethyl phthalate, and methylene chloride did not exceed their respective USEPA Residential RSLs. The estimated concentrations of methylene chloride exceeded its USEPA risk-based SSL. It should be noted that methylene chloride is a common laboratory contaminant.

At AOC #8, eight soil borings (SB-08-01 through SB-08-08) were advanced and a total of sixteen subsurface soil samples were collected to evaluate the horizontal and vertical extent of COPCs at the AOC. Estimated concentrations of acetone, diethyl phthalate, and methylene chloride were reported in the soil samples. The estimated concentrations of acetone, diethyl phthalate, and methylene chloride did not exceed their respective USEPA Residential RSLs. The estimated concentrations of methylene chloride exceeded its

USEPA risk-based SSL. It should be noted that methylene chloride is a common laboratory contaminant.

On July 7, 2015, after demolition of the former hazardous waste accumulation building, six soil borings (SB-09-01 through SB-09-06) were advanced and a total of twenty-seven subsurface soil samples were collected in the area to evaluate the vertical and horizontal extent of COPCs beneath the former building. Concentrations of methylene chloride and PCE were detected above the laboratory's RL. Estimated concentrations of PCE and methylene chloride were also reported in the soil samples. The concentrations of PCE and methylene chloride did not exceed their respective USEPA Residential RSLs. The concentrations of PCE and methylene chloride exceeded their respective USEPA risk-based SSLs. It should be noted that methylene chloride is a common laboratory contaminant.

4.5 GROUNDWATER

4.5.1 Pore Water Sampling

In November 2014, 14 pore water samples (PW-09-01 through PW-09-14) were collected from the unnamed tributary to Stoddard Creek and seven samples were sent to AES for analysis. These samples were collected to further delineate the horizontal and vertical extent of off-Site contamination emanating from AOC #9 (Former Hazardous Waste Accumulation Building). **Figure 2.5** shows the pore water sampling locations. Concentrations of cis-1,2-dichloroethene (c-1,2-DCE), PCE, toluene, and trichloroethene (TCE) were detected above the laboratory's RL. The detected concentrations of c-1,2-DCE, PCE, toluene, and TCE were below their respective SCDHEC MCLs. The results of the pore water sampling are provided in **Table 4.5**. Laboratory analytical results for the pore water samples are included in **Appendix H**.

4.5.2 Groundwater Sampling

In January 2015, groundwater samples were collected from existing monitoring well MW-08-01 and the on- and off-Site monitoring wells installed in November/December 2014.

Monitoring wells MW-09-07, MW-09-08D and MW-09-25 were installed and sampled in July 2015. Groundwater laboratory results are summarized in **Table 4.6**. Laboratory analytical results for the groundwater samples are included in **Appendix H**.

4.5.3 Results of Laboratory Analysis

At AOC #2, one shallow monitoring well (MW-02-24) was installed downgradient from previous soil sample location SS-6 and a groundwater sample was collected to confirm that, other than nitrates and nitrates, no other COPCs were discharged with the Heat Treat cleaning water in this AOC. The groundwater sample was analyzed for TCL VOCs and TAL metals. No VOCs were detected above the laboratory's RL. Barium was detected above the laboratory's RL at a concentration below its SCDHEC MCL.

At AOC #3, two shallow monitoring wells (MW-03-20 and MW-03-21) were installed near the Former Metals Baghouse and groundwater samples were collected to evaluate the vertical extent of COPCs at the AOC. The groundwater sample from MW-03-20 was analyzed for TCL VOCs, TCL SVOCs and TAL metals; the sample from MW-03-21 was analyzed for TAL metals only. No VOCs were detected above the laboratory's RL in MW-03-20. Estimated concentrations of barium and chromium were reported in MW-03-20. The estimated concentrations of barium and chromium in MW-03-20 did not exceed their respective SCDHEC MCLs. A concentration of barium was detected above the laboratory RL in MW-03-21. The concentration of barium did not exceed its SCDHEC MCL.

At AOC #4, two shallow monitoring wells (MW-04-22 and MW-04-23) were installed and groundwater samples were collected to evaluate the vertical extent of COPCs at the AOC. The groundwater samples from MW-04-22 and MW-04-23 were analyzed for TAL metals. A concentration of barium above the laboratory's RL was detected in MW-04-22 and MW-04-23. Estimated concentrations of arsenic, chromium, and mercury were reported in MW-04-23. The concentrations of barium, arsenic, chromium, and mercury did not exceed their respective SCDHEC MCLs.

At AOC #8, one monitoring well (MW-08-01) existed prior to starting the RI activities. Four additional monitoring wells were installed during the November 2014 mobilization. MW-08-

2D was installed to the top of the bedrock surface at the source area. Three shallow wells (MW-08-03, MW-08-04 and MW-08-05) were installed downgradient of the source area. All wells were installed to further define the vertical and horizontal extent of COPCs at the AOC. The groundwater samples from MW-08-01 through MW-08-05 were all analyzed for TCL VOCs, TCL SVOCs and THP-DRO. A concentration of isopropyltoluene in one well and TPH-DRO in two wells were detected above the laboratory's RL. Estimated concentrations of chlorobenzene (one sample), diethyl phthalate (one sample), isopropyltoluene (one sample), and TPH-DRO (one sample) were reported. The concentration of chlorobenzene was below its SCDHEC MCL. The concentration of diethyl phthalate was below its USEPA Tap Water RSL. Isopropyltoluene and TPH-DRO do not have an USEPA MCL or Tap Water RSL.

At AOC #9, fifteen monitoring wells, including ten shallow and five to the top of the bedrock surface, were installed to allow for groundwater monitoring at the AOC source and downgradient of the source. MW-09-8D, MW-09-12D, MW-09-16D, MW-09-18D and MW-09-19D were installed to the top of the bedrock surface. Shallow wells MW-09-06, MW-09-07, MW-09-09, MW-09-10, MW-09-11, MW-09-13, MW-09-14, MW-09-15, MW-09-17 and MW-09-25 were installed to the top of bedrock or auger refusal. All wells were installed to further define the vertical and horizontal extent of COPCs at the AOC. The groundwater samples from MW-09-06 through MW-09-19D and MW-09-25 were all analyzed for TCL VOCs. Concentrations of PCE were detected above the laboratory's RL in four samples. Estimated concentrations of carbon disulfide (one sample) and chloroform (one sample) were reported. Four shallow monitoring wells had PCE results that exceeded the SCDHEC MCL of 5 µg/L: MW-09-07 (1100 µg/L), MW-09-09 (7.4 µg/L), MW-09-11 (54 µg/L), and MW-09-15 (67 µg/L). The estimated concentration of carbon disulfide was below its USEPA Tap Water RSL. The estimated concentration of chloroform was below its SCDHEC MCL.

4.6 EXTENT OF IMPACT

Based on the results of the RI, areas of elevated concentrations of PCE at the Site are present in subsurface soil beneath AOC #9 (Former Hazardous Waste Accumulation Building) resulting in the infiltration of PCE into the groundwater and subsequent migration to surface water from AOC #9.

The most significant PCE impacts are observed in the immediate source area of AOC #9 and the PCE impact generally decreases with increasing distance from the AOC. PCE-impacted surface water is associated with groundwater discharge into the unnamed tributary to Stoddard Creek downgradient of AOC #9. These conditions appear limited in area and location.

4.7 DATA VALIDATION

Soil, sediment, pore water, and surface water samples were collected during sampling completed in November 2014 at the Site. Groundwater samples were collected at the Site during January 2015 and additional soil samples were collected in July and November 2015. The samples were analyzed by AES in Atlanta, Georgia. Sample results were submitted from AES in seven sample delivery groups (SDG): 1411153, 1411267, 1411594, 1501P17, 1507504, 1507G75, and 1511L22. Samples reviewed in this report were analyzed for one or more of the following USEPA SW-846 (USEPA, 1996) methods:

- VOCs in soil, sediment, and water by USEPA Method 8260B
- SVOCs in soil and water by USEPA Method 8270D
- Total Metals by Inductively Coupled Plasma (ICP) in water by USEPA Method 6010C
- Total Mercury in water by USEPA Method 7470A.
- TPH-DRO in water by USEPA Method 8015C

Sample results were validated using general procedures in the USEPA National Data Validation Guidelines (USEPA, 2008; USEPA, 2010) and as described in the QAPP (AMEC, 2012). Project data quality criteria for the VOCs, SVOCs, Metals, Mercury, and TPH-DRO analyses are identified based on laboratory quality control (QC) goals and the professional judgment of the project chemist. The laboratory QC limits were used during data validation. A Level II validation was performed on 100 percent of the laboratory analysis data and a Level III validation was performed on 10 percent of the laboratory analysis data. During the Level II validation the major quality assurance (QA)/QC indicators of analytical data quality are reviewed, but review of calculations and raw laboratory data is not included. QC data

checks are completed using QC summary forms provided in the laboratory packages. The following parameters are checked during the Level II review:

- laboratory narrative
- sample chain of custody/sample condition upon receipt form
- sample preservation
- QC blanks (method, rinse, field, and trip)
- laboratory control sample (LCS) results
- matrix spike and matrix spike duplicate (MS/MSD) sample results
- surrogate recovery
- field replicate sample results
- sample results summary
- verification of electronic data deliverable (EDD) results

During the Level III validation the initial calibrations, the initial calibration verifications, the continuing calibration verifications, internal standards and continuing calibration blanks (metals only) were evaluated.

Validation reason codes are applied to the results to document the reason for necessary data qualification. Data validation qualifiers were added to results if associated quality control data did not meet goals in the validation guidelines or project work plan. The following data quality flags shown below are generally used to qualify data that did not meet project specific QC goals.

J	Estimated value
U	Undetected
UJ	Undetected and reporting limit is estimated
R	Unusable (rejected)

With the exception of the data qualification actions identified below, results are interpreted to be usable as reported by the laboratory. Qualification was required for the following:

- Detection of di-n-butyl phthalate in one method blank (MB-198877) resulted in the qualification of di-n-butyl phthalate results for samples SB-06-01X002XX, SB-06-02X002XX, and SB-08-03X008XX, reported in SDG 1411153.
- Recovery of LCS outside QC limits resulted in the qualification of the hexachlorobutadiene results for samples MW-08-01X000XX, MW-08-02D000XX, MW-08-03X000XD, MW-08-03X000XX, MW-08-04X000XX/MS/MD, MW-08-05X000XX, FB-00-001 and RB-00-001 reported in SDG 1411153.
- Detections of methylene chloride in two method blanks (MB-202599 and MB-202656) resulted in the qualification of methylene chloride results for samples MW-08-05X000XX, MW-09-13X000XX, MW-09-16D000XX, MW-09-17X000XX, and TB-00-001 reported in SDG 1501P17.
- Matrix spike recovery outside QC limits resulted in the qualification of the 2-chlorophenol results in sample MW-08-04X000XX/MS/MD reported in SDG 1501P17.
- Spike recovery outside QC limits (low) in one Interference Check Standard (ICS) resulted in the qualification of selenium results in samples MW-03-20X000XX, MW-03-21X000XX, MW-03-22X000XX, MW-04-23X000XD, MW-04-23X000XX/MS/MD, MW-04-24X000XX reported in SDG 1501P17.
- Detection of arsenic and chromium in Continuing Calibration Blanks (CCBs) resulted in the qualification of arsenic in samples MW-04-23X000XD and MW-04-23X000XX/MS/MD; and the qualification of chromium in samples MW-03-20X000XX, MW-03-21X000XX, MW-04-22X000XX, MW-04-23X000XD, MW-04-23X000XX/MS/MD, MW-04-24X000XX reported in SDG 1501P17.
- Matrix spike recovery outside QC limits resulted in the qualification of the methylene chloride and vinyl chloride results in sample SD-09-03X000XX reported in SDG 1411267.
- Relative Percent Difference (RPD) exceedance for 1,2,4-trichlorobenzene in the matrix spike/matrix spike duplicate resulted in the qualification of the 1,2,4-trichlorobenzene result in sample SD-09-03X000XX reported in SDG 1411267.
- Detection of methylene chloride in a method blank (MB-210063) resulted in the qualification of methylene chloride results for samples SB-09-02X020XX, SB-09-03X000XX, SB-09-03X005XX, SB-09-03X010XX, SB-09-03X010MS, SB-09-03X010MD, SB-09-03X015XX, SB-09-04X000XX, SB-09-04X005XX, SB-09-04X005XD, SB-09-04X010XX, SB-09-04X015XX, SB-09-04X020XX, SB-09-05X000XX, SB-09-05X005XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X000XX, and SB-09-06X005XX reported in SDG 1507504.
- Percent recoveries for the VOC internal standard 1,4-dichlorobenzene for samples SB-09-01X000XX, SB-09-01X010XX, SB-09-02X000XX, SB-09-02X005XX, SB-09-02X005XD, SB-09-02X010XX, SB-09-02X015XX, SB-

09-04X015XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X015XX, SB-09-06X020XX were outside the lower control limit and considered biased low due to suspected matrix interference reported in SDG 1507504.

- Percent recoveries for the VOC internal standards pentafluorobenzene and 1,4-dichlorobenzene for samples SB-09-05X005XD and SB-09-06X005XX were outside the lower control limit and considered biased low due to suspected matrix interference reported in SDG 1507504.
- Tetrachloroethene was reported outside of the calibration range for sample SB-09-05X000XX.
- RPD exceedance for tetrachloroethene in the field duplicate pair SB-09-04X005XX/ SB-09-04X005XD resulted in the qualification of the tetrachloroethene result in sample pair SB-09-04X005XX/ SB-09-04X005XD reported in SDG 1507504.
- RPD exceedance for methylene chloride and tetrachloroethene in the field duplicate pair SB-09-05X015XX/ SB-09-05X015XD resulted in the qualification of the methylene chloride and tetrachloroethene results in sample pair SB-09-05X015XX/ SB-09-05X015XD reported in SDG 1507504.
- Matrix spike recovery outside QC limits resulted in the qualification of the 1,1,1-trichloroethane; 1,2-dichloroethane; bromodichloromethane; and chloroform results in sample SB-09-02X020XX reported in SDG 1507504.
- Matrix spike recovery outside QC limits resulted in the qualification of the 2,4-dimethylphenol; 2-chlorophenol; and hexachlorobutadiene results in sample FB-01-01 reported in SDG 1507504.
- Matrix spike recovery outside QC limits resulted in the qualification of the benzo(a)pyrene, di-n-octyl phthalate, and fluoranthene results in sample SB-09-01X005XX reported in SDG 1507504.

The final data validation report is included in **Appendix I**.

4.8 INVESTIGATIVE DERIVED WASTE

As discussed in Section 2.9, IDW generated during RI field activities consisted of soil cuttings, development water, and purge water.

On February 26, 2015, A&D Environmental Services (SC), LLC (A&D) transported 12.66 tons (25,320 pounds) of non-hazardous drill cuttings to the Upstate Regional Municipal Solid Waste (MSW) Landfill located in Enoree, South Carolina for disposal.

On April 8, 2015, A&D transported 900 gallons of non-hazardous development water and purge water to its facility in Greenville, South Carolina for disposal.

On July 29, 2015, A&D transported 7.18 tons (14,360 pounds) of non-hazardous drill cuttings to the Upstate Regional MSW Landfill located in Enoree, South Carolina for disposal.

On March 11, 2016, A&D transported 100 gallons of non-hazardous purge water to its facility in Greenville, South Carolina for disposal.

Waste disposal manifests for IDW generated during the RI are included in **Appendix J**.

5.0 CONSTITUENT FATE AND TRANSPORT

The fate and transport of the Site-related constituents, considers in general terms, the chemical and physical properties of the constituents, how those properties affect the ability of the constituents to interact with the environment and how those interactions influence the ability of the constituents to migrate or be retained in the media. The degree of interaction of the constituents with the environment determines its fate in the environment and to what extent it is transformed through chemical reactions, biological or abiotic degradation, retained by sorption and other attenuative mechanisms. The nature of these interactions also influences constituent transport which considers migration within a specific medium (e.g., surface water or groundwater) or migration across media boundaries (e.g., from soil to groundwater, surface water, or air).

The SCM (**Figure 4.1**) relates the fate and transport, and migration pathways to the environmental setting to provide an understanding of the current distribution of COPCs in the environment.

Since PCE is the only COPC that exceeds regulatory action levels (e.g., USEPA MCLs), this section describes the environmental fate and transport of PCE and potential routes of migration within Site media, including soils, groundwater, and surface water. The discussion of the fate and transport of PCE will be used to establish the basis for the FS.

5.1 POTENTIAL ROUTES OF MIGRATION

Metal degreasing solvents (e.g., PCE) were used at the Site and reportedly stored in the former hazardous waste accumulation building (AOC #9). The hazardous waste accumulation building had a bermed and sloped floor consisting of concrete that would have been sufficient to contain minor releases of solvents due to materials handling activities. No cracks or holes were observed in the concrete floor that could have provided a pathway for migration of solvents through the concrete floor to the underlying soils. However, chlorinated solvents such as PCE have the capacity to migrate through concrete and impact the soils beneath the concrete. Since the detected concentrations of PCE in the subsurface

soils are not significantly elevated, it is probable that minor releases of PCE occurred during material handling activities and migrated through the concrete floor to the underlying soils.

5.1.1 Infiltration of Precipitation and Groundwater Discharge

Infiltration of precipitation through PCE-impacted soil in the vadose zone to the shallow aquifer system is a potential migration pathway at the Site. Only the shallow groundwater system is impacted and the areal extent of PCE-impacted shallow groundwater is limited. The groundwater flow system at the Site is a local groundwater system wherein precipitation recharging the shallow groundwater ultimately discharges in part to the local surface water system. The area of PCE-impacted groundwater is depicted on **Figure 5.1**.

Groundwater flows laterally to the southwest from AOC #9. A limited amount of flow from AOC #9 contributes to surface water within the unnamed tributary to Stoddard Creek. The PCE affected surface water area is bounded upstream and downstream by samples that do not contain PCE. The area of PCE-impacted surface water is depicted on **Figure 5.2**.

5.1.2 Storm Water Runoff

Visual inspection of the Site does not indicate that overland migration of soils from the Site due to storm water runoff is an important migration pathway.

5.2 CONSTITUENT PERSISTENCE

PCE is likely to enter the environment from fugitive air emissions and by spills or accidental releases to air, soil, and water. If PCE is released to the atmosphere, it will exist mainly in the gas phase and it will be subject to photooxidation. If PCE is released to soil, it will evaporate fairly rapidly into the atmosphere due to its high vapor pressure and low absorption to soil. PCE is expected to exhibit low to medium mobility in soil and therefore may leach slowly to groundwater. If PCE is released to water, it will be subject to rapid volatilization. PCE is not expected to significantly biodegrade, bioconcentrate in aquatic organisms, or adsorb to sediment. PCE is not expected to hydrolyze in soil or water under normal environmental conditions.

5.3 CONSTITUENT MIGRATION

PCE is a man-made solvent, commonly used as a degreaser in manufacturing applications. PCE is denser and heavier than water, highly mobile in groundwater, and toxic at very low concentrations. Advection causes dissolved PCE to move with groundwater flow. In groundwater, PCE can undergo chemical and biological transformations to other organic compounds. PCE can undergo reductive dechlorination catalyzed by anaerobic bacteria. In microbially-mediated reductive dechlorination, chloride atoms in the PCE molecules are replaced with hydrogen atoms. Replacement of one chloride atom transforms PCE to TCE. Replacement of a second chloride atom transforms TCE to cis-1,2-DCE, then cis-1,2-DCE is transformed to vinyl chloride, and finally vinyl chloride is converted to the harmless substances ethylene and chloride. However, anaerobic degradation rarely proceeds to completion in groundwater, leading to accumulations of vinyl chloride. In aerobic groundwater environments (i.e., where DO is present at concentrations greater than 2 mg/L), PCE is not subject to reductive dechlorination and is therefore relatively persistent.

6.0 BASELINE HUMAN HEALTH RISK ASSESSMENT

This Baseline Human Health Risk Assessment (HHRA) is for current and foreseeable future soil, groundwater, surface water, and sediment exposures at the Site. Although current land use is commercial/industrial and is not expected to change in the future, future residential land use has also been evaluated. The primary objective of the HHRA is to determine whether Site-related constituents detected in the soil, groundwater, surface water, or sediment pose an unacceptable health hazard or unacceptable cancer risk for potentially exposed human populations under "as is" baseline conditions (i.e., without future, active remedial measures).

This HHRA has been completed in general accordance with USEPA (1989) Risk Assessment Guidance for Superfund: Volume I- Human Health Evaluation Manual (RAGS) and the following associated guidance documents:

- *Supplemental Guidance for Developing Soil Screening Levels*, OSWER 9355.3-64 (USEPA, 2002);
- *RAGS, Volume 1, Part D – Standardized Planning, Reporting and Review of Superfund Risk Assessments* (USEPA, 2001);
- *Supplemental Guidance to RAGS: Region 4 Bulletins, Human Health Risk Assessment* (USEPA, 2014);
- *RAGS, Volume 1, Part E – Supplemental Guidance for Dermal Risk Assessment* (USEPA, 2004); and
- *RAGS, Volume 1, Part F – Supplemental Guidance for Inhalation Risk Assessment* (USEPA, 2009).

The risk assessment protocol includes the following steps:

- Data Collection and Evaluation
- Exposure Assessment
- Toxicity Assessment;
- Risk Characterization; and
- Uncertainty Analysis.

In the data evaluation, the chemical data collected during the RI and previous investigations are reviewed and selected for use in the risk assessment and chemicals of potential concern (COPCs) are identified via a conservative screening process. In the exposure assessment, the potential exposure pathways and intake assumptions are identified and exposure point concentrations are developed for the COPCs.

COPC concentrations are then combined with intake assumptions for each COPC, receptor, and pathway. In this risk assessment, the maximum detected concentrations were used for the COPC exposure point concentrations because there wasn't sufficient data to perform statistical analysis of the data by AOCs.

In the toxicity assessment, toxicity values are obtained from regulatory sources, including USEPA's Integrated Risk Information System (IRIS) and the USEPA's risk-based RSL Table (USEPA, 2015b). These values are used to evaluate both non-carcinogenic and carcinogenic health effects from potential exposures to COPCs (via the pathways identified in the exposure assessment).

In the risk characterization, the average daily dose (computed in the exposure assessment) is compared to dose-response values (identified in the toxicity assessment) to predict the site specific health effects for each receptor, pathway, and COPC. These individual responses, in the form of non-carcinogenic hazard quotients (HQs) or individual cancer risks, are then summed to give the total non-carcinogenic hazard index (HI) and cumulative risk. Calculated values are compared to target levels considered acceptable by regulatory agencies. If the HI and cumulative risk exceed acceptable levels, those chemicals contributing to excess risk are identified as Chemicals of Concern (COCs). Should COCs be identified for evaluation in the FS, subsequent remedial action objectives will be developed, which may include target cleanup levels based on risk.

In the uncertainties analysis, the assumptions and uncertainties associated with each step are identified and evaluated. The RAGS D format human health risk assessment tables are provided in **Appendix K** and supplemental risk tables are provided in **Appendix L**.

6.1 DATA COLLECTION AND EVALUATION

The analytical data for soil, groundwater, pore water, surface water, and sediment samples collected during 2014 and 2015 for the RI have undergone a data validation process where the data quality was evaluated and data of reliable quality were retained. The data were further reviewed for adequacy for risk evaluation purposes. All positively detected results were initially included, including those with data qualifiers. Data with "F", "J", and "M" qualifiers were considered positive detections and the reported concentrations were used for the COPC evaluation. Data with "U" qualifiers were considered non-detect and either the reported value (if there was one) or the method detection limit were used for screening purposes. Data with "B" qualifiers were considered non-detects due to blank contamination and the method detection limit was used for screening purposes. Data with "R" qualifiers were rejected and not used for the COPC Evaluation.

If duplicate samples were analyzed, the data were used as follows:

- Higher of the two detected concentrations was used.
- Detected concentration used if one result was non-detect.
- The undiluted reporting limit was used if both results were non-detections.

Sampling of the Site has included collection of soil (surface and subsurface), groundwater, pore water, surface water, and sediment, as discussed in Section 2.0. For the purpose of this HHRA, laboratory analytical data collected as part of this RI (November 2014 through November 2015) were used as representative of current site conditions, with the exception of pore water data. In addition, the historical data as summarized in the RI/FS WP (AMEC, 2012) were reviewed for usage. The historical groundwater data, surface water data, and surface soil data at outfalls (subject to flushing by water during rain events) are greater than three years old, so they were not considered representative of current conditions. The remaining historical soil data were considered representative and were included in the HHRA.

Historical soil samples were analyzed for TPH O&G, but they were also analyzed for SVOCs and at times VOCs. Because chemical-specific analyses were conducted, the chemical-

specific results were used for the HHRA rather than the TPH O&G results. Similarly, five of the groundwater samples collected during the RI field efforts were analyzed for TPH-DRO, but these samples were also analyzed for VOCs and SVOCs. The VOC and SVOC results were used for the HHRA rather than TPH-DRO results.

The HHRA data has been sorted by AOC as surface soils (0 to 1 foot in depth), subsurface soils (1 to 15 feet in depth), groundwater, surface water, and sediment in the COPC screening tables (Tables K.2.1 through K.2.23). Groundwater and sediment samples were collected from on-Site and off-Site locations. These data have been evaluated in on-Site and off-Site tables. Although subsurface soil samples were collected from depth intervals greater than 15 feet, it was assumed for the purpose of this HHRA that soils to a depth of 15 feet could be brought to the surface during construction/excavation activities at the Site or otherwise be contacted by potential future human receptors. COPCs in soil and sediment were identified through comparison to USEPA RSLs for residential soil exposures (USEPA, 2015). Non-carcinogenic RSLs were adjusted to a hazard index of 0.1. COPCs in groundwater were identified through comparison to USEPA RSLs for tap water (USEPA, 2015b). COPCs in surface water were identified through comparison the USEPA Ambient Water Quality Criteria (AWQC) for human health (consumption of water and organisms) (USEPA, 2015a). The COPC screening tables provide the following information:

- Minimum and maximum detected concentration
- Location of maximum detected concentrations
- Detection frequency
- Range of detection limits
- Maximum detected concentration used for screening comparison
- Available background value
- Screening toxicity value, i.e. RSL residential soil values. Note that non-carcinogenic screening values were corrected for additivity by multiplying by 0.1.
- Potential Applicable or Relevant and Appropriate Requirements (ARAR)/To Be Considered (TBC) requirements
- Indication of constituents selected and rationale for selection

In addition to the screening toxicity values used to identify COPCs, various ARAR/TBC were used. For soil (surface and subsurface) the USEPA Soil Screening Levels (SSLs) based on a dilution attenuation factor of 1 from the USEPA RSL tables (USEPA, 2015b) were used and are listed on the soil (surface and subsurface) COPC tables. For groundwater, the USEPA MCLs listed in the RSL table (USEPA, 2015b) were used and are listed on the groundwater COPC tables. In addition, the USEPA Vapor Intrusion Screening Levels (VISLs) for residential exposures, based on cancer risk of 1×10^{-6} and hazard quotient of 0.1 (USEPA, 2015c) were used and are listed in the groundwater tables if volatile compounds were detected (**Appendix L**). For surface water, the SCDHEC South Carolina WQC for human health (consumption of water and organisms) were used and are listed on the surface water table (SCDHEC, 2014).

Although a Site-specific background study has not been conducted for the Site, SCDHEC has published soil and stream sediment background ranges in *"Elements in South Carolina Inferred Background Soil and Stream Sediment Samples"* (Canova, 1999). The range of values from Table 2 of the referenced document for inorganics are listed on the soil COPC tables (surface and subsurface); inorganics were not detected in the sediment samples collected for the Site.

6.1.1 AOC Results and COPCs

Nine AOCs have been identified at the Site and the data used for the HHRA have been summarized by media by AOC. Of the nine AOCs, all are located on the Site, with the exception of AOC #9. The data for this AOC have been further evaluated as on-Site and off-Site.

6.1.1.1 AOC #1 (Tank Storage Area)

Only historical soil data were available for AOC #1. Four surface soil samples (TS-1 through TS-4) and 16 subsurface soil samples (B-1 through B-4, HA-1 through HA-6, and STB-1 through STB-6) were evaluated. The surface soil samples were collected from 0 to 0.5 feet bgs. The subsurface soil samples were collected from 3.5 feet bgs to 14 feet bgs.

Table K.2.1 summarizes the surface soil data for AOC #1 used for this HHRA. Two compounds were detected in the surface soil samples: acetone and diethyl phthalate. Neither of these was detected at concentrations greater than the USEPA Residential RSL, so no surface soil COPCs were identified for AOC #1. However, both compounds were detected at concentrations greater than the USEPA risk-based SSLs, which indicates these compounds may have the potential to migrate from the soil to the groundwater at the Site. Table K.2.2 summarizes the subsurface soil data for AOC #1 used for this HHRA. Two VOCs (acetone and 2-butanone) were detected in the subsurface soil samples. Neither of these was detected at concentrations greater than the USEPA Residential RSL. However, acetone was detected at concentrations greater than the USEPA risk-based SSL, which indicates this compound may have the potential to migrate from the soil to the groundwater at the Site.

6.1.1.2 AOC #2 (Heat Treat Cleaning Water Area)

Historical soil data were available for AOC #2 and one monitoring well was sampled during the RI field efforts (MW-02-24). Fourteen surface soil samples (SS-1 through SS-14) were collected from AOC #2 in August 2001 and surface and subsurface soil samples were collected from seven soil test borings in July and August 2001. After these samples had been collected, soil was excavated from AOC #2 and subsequently eight confirmation surface soil samples (SS-15 through SS-22) were collected in April 2002. The following samples were collected from the area of excavation and were not included in the HHRA: B-1 (surface and 1 foot samples), B-2 (surface and 1 foot samples), B-3 (surface and 1 foot samples), B-4 (surface and 1 foot samples), B-5 (surface, 1 foot, and 5 foot samples), SS-2, SS-8, and SS-11. In addition, the B-6 sample was collected as background sample and is not representative of AOC #2.

Table K.2.3 summarizes the surface soil data for AOC #2 used for this HHRA. Nitrate was detected in the surface soil samples, but was detected at concentrations less than the USEPA Residential RSL and the USEPA risk-based SSLs. Therefore, no surface soil COPCs were identified for AOC #2.

Table K.2.4 summarizes the subsurface soil data for AOC #2 used for this HHRA. Nitrite and nitrate were detected in the subsurface soil samples, but were detected at concentrations less than the USEPA Residential RSL and the USEPA risk-based SSLs. Therefore, no subsurface soil COPCs were identified for AOC #2.

Table K.2.5 summarizes the groundwater data for AOC #2 used for this HHRA. Barium was detected in the groundwater sample, but the detected concentration was less than the USEPA tap water RSL and the SCDHEC MCL. Therefore, no groundwater COPCs were identified for AOC #2.

6.1.1.3 AOC #3 (Metals Baghouse)

Historical soil data were available for AOC #3 and two monitoring wells were sampled during the RI field efforts (MW-03-20 and MW-03-21). Three surface soil samples were collected from AOC #3 in March 2002 (MB-1 through MB-3). These surface soil samples were collected from 0 to 0.5 feet bgs.

Table K.2.6 summarizes the surface soil data for AOC #3 used for this HHRA. Five inorganics were detected in the surface soil samples: arsenic, barium, total chromium, lead, and nickel. Arsenic was detected in one of the three samples at a concentration of 2.1 milligrams per kilogram (mg/kg), which is greater than the USEPA Residential RSL (0.68 mg/kg) and identified as a surface soil COPC for AOC #3. Total chromium was detected in all three samples at concentrations greater than the USEPA Residential RSL for hexavalent chromium. However, hexavalent chromium was not detected in these samples. The detected total chromium concentrations (68 to 180 mg/kg) were less than the USEPA Residential RSL for trivalent chromium (12,000 mg/kg). The detected concentrations were greater than the USEPA risk-based SSLs for all five inorganics, indicating a potential for these compounds to migrate from the soil to the groundwater at the Site. The sample with the detected arsenic concentration was also analyzed for Toxicity Characteristic Leachate Procedure (TCLP) arsenic, which was non-detect indicating that it is unlikely that arsenic will leach from this soil sample. With the exception of total chromium and nickel, the inorganics were detected at concentrations within their respective South Carolina background ranges (Canova, 1999).

Table K.2.7 summarizes the groundwater data for AOC #3 used for this HHRA. Two inorganics were detected in the groundwater samples: barium and total chromium. Total chromium was detected in one of the two samples at a concentration of 2.3J micrograms per liter (µg/L), which is greater than the USEPA tap water RSL for hexavalent chromium (0.035 µg/L) and identified as a groundwater COPC for AOC #3. However, the detected concentration was less than the USEPA tap water RSL for trivalent chromium (2,200 µg/L) and the SCDHEC MCL (100 µg/L).

6.1.1.4 AOC #4 (Scrap Metal Rolloff)

Historical soil data were available for AOC #4, two monitoring wells were sampled during the RI field efforts (MW-04-22 and MW-04-23) and three soil borings were sampled from the 2 to 4 foot interval during the RI field efforts (SB-04-01X002XX, SB-04-02X002XX, and SB-04-03X002XX). Four surface soil samples were collected in March 2002 from AOC #4 (SM-1 through SM-4). Four subsurface soil samples were collected in April 2002 from AOC #4 (SM-1A through SM-4A). The surface soil samples were collected from 0 to 0.5 feet bgs. The subsurface soil samples were collected from 1 to 1.5 feet bgs.

Table K.2.8 summarizes the surface soil data for AOC #4 used for this HHRA. One VOC (acetone), two phthalates (diethyl phthalate and bis(2-ethylhexyl)phthalate), and five inorganics (barium, cadmium, chromium, lead, and nickel) were detected in the surface soil samples. Only chromium was detected at a concentrations greater than the USEPA Residential RSL and identified as a surface soil COPC for AOC #4. Diethyl phthalate and the five inorganics were detected at concentrations greater than their respective USEPA risk-based SSLs, indicating a potential for these compounds to migrate from the soil to the groundwater at the Site. The inorganics were detected at concentrations within their respective South Carolina background ranges.

Table K.2.9 summarizes the subsurface soil data for AOC #4 used for this HHRA. Methylene chloride and chromium were detected in the subsurface soil samples. The single detected chromium concentration (19 mg/kg) was greater than the USEPA Residential RSL of 0.30 mg/kg and identified as a subsurface soil COPC for AOC #4. The detected concentration of chromium was within the South Carolina background range (non-detect to

140 mg/kg). Both methylene chloride and chromium were detected at concentrations greater than their respective USEPA risk-based SSLs, indicating a potential for these compounds to migrate from the soil to the groundwater at the Site.

Table K.2.10 summarizes the groundwater data for AOC #4 used for this HHRA. Barium and mercury were detected in the groundwater samples. Both compounds were detected at concentrations less than their respective USEPA tap water RSLs and SCDHEC MCLs. Mercury was detected in one sample at a concentration of 0.16 J µg/L, which is slightly greater than the USEPA residential Vapor Intrusion Screening Level (VISL) of 0.089 µg/L, indicating the potential for mercury in groundwater near buildings to migrate to indoor air at concentrations that may impact human receptors.

6.1.1.5 AOC #5 (Empty Drum Storage Area)

Historical soil data were available for AOC #5. Four surface soil samples (ED-1 through ED-4) were collected in March 2002 from 0 to 0.5 feet bgs. Four subsurface soil samples (ED-1A through ED-4A) were collected in April 2002 from 1 to 1.5 feet bgs. Only TPH O&G was detected in the subsurface soil samples and SVOCs were not detected; these results were not used for the HHRA.

Table K.2.11 summarizes the surface soil data for AOC #5 used for this HHRA. Acetone and four phthalates were detected in the surface soil samples. These compounds were detected at concentrations less than the USEPA Residential RSLs; therefore, no surface soil COPCs were identified for AOC #5. Three phthalates (butylbenzyl phthalate, di-n-butyl phthalate, and diethyl phthalate) were detected at concentration greater than the USEPA risk-based SSLs, indicating a potential for these compounds to migrate from the soil to the groundwater at the Site.

6.1.1.6 AOC #6 (Compounding Exhaust Area)

Historical surface soil data were available for AOC #6 (CA-1 and CA-2, collected from 0 to 0.5 feet bgs) and four subsurface soil samples were collected during the RI field efforts (SB-

06-01X001XX and SB-06-02X001XX, collected from 1 to 2 feet bgs; and SB-06-01X002XX and SB-06-02X002XX, collected from the 2 to 4 feet bgs interval).

Table K.2.12 summarizes the surface soil data for AOC #6 used for this HHRA. Four phthalates (di-n-butyl phthalate, diethyl phthalate, dimethyl phthalate, and bis(2-ethylhexyl)phthalate) were detected in the surface soil samples. The four compounds were detected at concentrations less than their respective USEPA Residential RSLs. Three phthalates (di-n-butyl phthalate, diethyl phthalate, and dimethyl phthalate) were detected at concentrations greater than their USEPA risk-based SSLs, indicating a potential for these compounds to migrate from the soil to the groundwater at the Site.

Table K.2.13 summarizes the subsurface soil data for AOC #6 used for this HHRA. Methylene chloride and two phthalates (diethyl phthalate and bis(2-ethylhexyl)phthalate) were detected in the subsurface soil samples. The three compounds were detected at concentrations less than their respective USEPA Residential RSLs. Methylene chloride was detected at concentrations greater than its USEPA risk-based SSL, indicating a potential for this compound to migrate from the soil to the groundwater at the Site.

6.1.1.7 AOC #7 (Storm Water Outfalls)

Historical surface soil data were available for AOC #7 (OF-1, OF-1A, OF1-2 through OF1-4, OF-2, and OF-2A, collected from 0 to 0.5 feet bgs near the outfalls) and eight surface soil samples were collected during the RI field efforts (SS-07-01X000XX through SS-07-08X000XX, collected from 0 to 0.5 feet bgs). The historical samples were collected in 2002 and are not likely representative of current conditions due to erosion that would have occurred during rain events. Of the eight samples collected during the RI field efforts, only one sample, SS-07-01X000XX, was collected near the outfall (Outfall 002) north of the facility. The other samples were collected upstream of the outfall or downstream of it; these samples may be representative of surface soil from an unpaved parking area located near the outfall that may have been washed into the drainage ditch. Therefore, only sample SS-07-01X000XX has been used for this HHRA.

Table K.2.14 summarizes the surface soil data for AOC #7 used for this HHRA. Eight PAHs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, and pyrene) were detected in the surface soil samples. Benzo(a)pyrene was detected at a concentration (0.045 J mg/kg) greater than the USEPA Residential soil RSL of 0.016 mg/kg and was identified as a surface soil COPC for AOC #7. Three PAHs (benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene) were detected at concentrations greater than their respective USEPA risk-based SSLs, indicating a potential for these compounds to migrate from the soil to the groundwater at the Site.

6.1.1.8 AOC #8 (Oil/Water Separator)

Historical subsurface soil data were available for AOC #8 (samples GT-1 through GT-4 collected in March 2002 and samples OWS-1 through OWS-2 collected in April 2002), 16 subsurface soil samples were collected during the RI field efforts from 8 to 12 feet bgs, and five monitoring wells were sampled during the RI field efforts (MW-08-01, MW-08-02D, MW-08-03, MW-08-04, and MW-08-05). The oil/water separator was removed and associated soil was excavated, including the areas of samples GT-1 through GT-4. Therefore, these soil samples were not considered representative of the Site and were not included in this HHRA. The historical samples OWS-1 and OWS-2 were collected from 18.5 to 19 feet bgs and therefore, exposure to these soils are not considered likely, so they were not included in this HHRA.

Table K.2.15 summarizes the subsurface soil data for AOC #8 used for this HHRA. Methylene chloride and diethyl phthalate were detected in the subsurface soil samples. Neither of these compounds was detected at concentrations greater than their respective USEPA Residential RSLs, therefore, no subsurface soil COPCs were identified for AOC #8. The detected concentrations of methylene chloride were greater than its USEPA risk-based SSL, indicating the potential for methylene chloride to migrate from the soil to the groundwater at the Site.

Table K.2.16 summarizes the groundwater data for AOC #8 used for this HHRA. Two VOCs (chlorobenzene and isopropylbenzene) and diethyl phthalate were detected in the

groundwater samples. These three compounds were not detected at concentrations greater than their USEPA tap water RSLs, available SCDHEC MCLs, or VISLs. Therefore, no groundwater COPCs were identified for AOC #8.

6.1.1.9 AOC #9 (Hazardous Waste Accumulation Building)

Historical subsurface data were available for AOC #9 (samples GP-16 and GP-17 collected in January 2005 from 3 to 5 feet bgs) and the following samples were collected during the RI field efforts:

- Six surface soil samples collected from 0 to 5 feet bgs (SB-09-01X000XX through SB-09-06X000XX), used as surface soil data because the sampled interval includes 0 to 1 feet bgs,
- Eight subsurface soil samples collected from 5 to 15 feet bgs (SB-09-01X005XX, SB-09-01X010XX, SB-09-02X005XX, SB-09-02X010XX, SB-09-03X005XX, SB-09-03X010XX, SB-09-04X005XX, SB-09-04X010XX, SB-09-05X005XX, SB-09-05X010XX, SB-09-06X005XX, and SB-09-06X010XX),
- Five on-site monitoring wells were sampled (MW-09-06, MW-09-07, MW-09-08D, MW-09-09, and MW-09-19D,
- Ten off-site monitoring wells were sampled (MW-09-10, MW-09-011, MW-09-12D, MW-09-13, MW-09-14, MW-09-15, MW-09-16D, MW-09-17, MW-09-18D, and MW-09-25),
- Seven pore water samples (PW-09-01, PW-09-03, PW-09-08 through PW-09-10, PW-09-12, and PW-09-14),
- One on-site surface water sample (SW-09-10, no detections),
- Eight off-site surface water samples (SW-09-03, SW-09-04, SW-09-05, SW-09-06, SW-09-07, SW-09-08, SW-09-12, and SW-09-13),
- One on-site sediment sample (SD-09-01), and
- Nine off-site sediment samples (SD-09-02 through SD-09-09).

<u>AOC #9 On-Site</u>

Table K.2.17 summarizes the on-Site surface soil data for AOC #9 used for this HHRA. Methylene chloride and PCE were detected in the on-Site surface soil samples. Neither compound was detected at concentrations greater than their respective USEPA Residential RSL, so no on-Site surface soil COPCs were identified. The detections of both compounds

were greater than their USEPA risk-based SSLs, indicating the potential for methylene chloride and PCE to migrate from the surface soil to the groundwater at the Site.

Table K.2.18 summarizes the on-Site subsurface soil data for AOC #9 used for this HHRA. Methylene chloride and PCE were detected in the on-Site subsurface soil samples. Neither compound was detected at concentrations greater than their respective USEPA Residential RSLs, so no on-Site subsurface soil COPCs were identified. The detections of both compounds were greater than their USEPA risk-based SSLs, indicating the potential for methylene chloride and PCE to migrate from the subsurface soil to the groundwater at the Site.

Table K.2.19 summarizes the on-Site groundwater data for AOC #9 used for this HHRA. Carbon disulfide and PCE were detected in the on-Site groundwater samples. The two detections of PCE were greater than the USEPA tap water RSL and SCDHEC MCL, therefore, PCE was identified as an on-Site groundwater COPC for AOC #9. The detections of PCE were also greater than the USEPA VISL for PCE, indicating a potential for PCE in groundwater to migrate to indoor air at concentrations that may impact human receptors.

Table K.2.20 summarizes the on-Site sediment data for AOC #9 used for this HHRA. Methylene chloride was detected, but the concentration was less than the USEPA Residential RSL, so no on-Site sediment COPCs were identified for AOC #9.

AOC #9 Off-Site

Table K.2.21 summarizes the off-Site groundwater data for AOC #9 used for this HHRA. Chloroform and PCE were detected in the off-site groundwater samples. The detected concentrations were greater than the USEPA tap water RSLs, so chloroform and PCE were identified as off-Site groundwater COPCs for AOC #9. The detected PCE concentrations were also greater than the SCDHEC MCL. The detected concentrations of chloroform and PCE were also greater than their USEPA VISLs, indicating a potential for these compounds in groundwater to migrate to indoor air at concentrations that may impact human receptors.

Table K.2.22 summarizes the off-Site surface water data for AOC #9 used for this HHRA. PCE was detected in the off-site surface water samples. Four of the detected PCE concentrations were greater than the USEPA AWQC, therefore, PCE was identified as an off-Site surface water COPC. The detected PCE concentrations were also greater than the South Carolina WQC (SCDHEC, 2014).

Table K.2.23 summarizes the off-Site sediment data for AOC #9 used for this HHRA. Methylene chloride and PCE were detected in the off-Site sediment samples. Neither of the compounds was detected at concentrations greater than their USEPA Residential RSLs, therefore, no off-Site sediment COPCs were identified for AOC #9.

6.1.2 Summary of COPCs

Although the data were evaluated for COPCs by AOC above, because there are no fences or barriers at the Site, potential receptors have access to the entire Site area and surrounding areas that were sampled. Therefore, the COPCs have been summarized by on-Site and off-Site, as the Site owner could place restrictions on the on-Site land and water usage, but not off-Site areas.

6.1.2.1 Human Health COPCs

The on-Site human health COPCs identified include the following, by media:

- Surface Soil – arsenic, chromium, and benzo(a)pyrene
- Subsurface Soil – chromium
- Groundwater – chromium and PCE

The off-Site human health COPCs identified include the following, by media:

- Groundwater – chloroform and PCE
- Surface Water - PCE

6.1.2.2 Groundwater Resource Protection from Leaching of COPCs from Soil

In addition to addressing direct and indirect exposures to environmental media by human receptors, this HHRA also compared the Site surface and subsurface soil sample concentrations to the USEPA risk-based SSLs protective of groundwater (based on a dilution attenuation factor of 1) in order to identify potential sources of groundwater contamination (USEPA, 2015b). The following compounds were detected in on-Site soil samples at concentrations greater than the USEPA risk-based SSLs:

- Acetone
- Butylbenzyl phthalate
- Diethyl phthalate
- Di-n-butyl phthalate
- Dimethyl phthalate
- PCE
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Methylene chloride
- Arsenic
- Barium
- Chromium
- Lead
- Nickel

Of the compounds listed above, only PCE, diethyl phthalate, barium, and chromium were detected in the groundwater samples collected as part of the RI field efforts. Of these compounds in groundwater, only PCE was detected in groundwater at concentrations greater than the USEPA tap water RSLs and SCDHEC MCLs. Of the inorganics detected in soil samples at concentrations greater than the USEPA risk-based SSLs (USEPA, 2015b), only chromium and nickel were detected at concentrations greater than the South Carolina background ranges (Canova, 1999).

6.1.2.3 Vapor Intrusion COPCs

The groundwater data were compared to the USEPA Residential VISLs, based on a target risk of 1×10^{-6} and a target hazard index of 0.1 (USEPA, 2015c), to evaluate the potential for compounds in groundwater to impact indoor air concentrations. One VOC (PCE) was detected at concentrations in on-Site groundwater (1,100 µg/L maximum) greater than the USEPA Residential VISL value (5.8 µg/L). The maximum detected on-Site groundwater concentration (1,100 µg/L) was also greater than the USEPA Commercial VISL (24 µg/L). Mercury was also detected in an on-Site groundwater sample at a concentration of 0.16J µg/L, which is greater than the USEPA Residential VISL value (0.089 µg/L). This indicates

the possibility that PCE and mercury in on-Site groundwater may migrate to indoor air at concentrations that could impact potential residential receptors and PCE in on-Site groundwater may migrate to indoor air at concentrations that could impact potential commercial receptors.

Two VOCs (chloroform and PCE) were detected in off-Site groundwater at concentrations greater than the Residential VISLs; of these, only the PCE concentrations were also greater than the Commercial VISLs. This indicates the possibility that these concentrations in off-Site groundwater may migrate to indoor air at concentrations that could impact potential residential (or commercial for PCE) receptors.

Due to the variability of the groundwater data and that soil vapor levels have not been evaluated near existing buildings, it is recommended that exterior soil vapor or sub-slab soil vapor samples be collected to further delineate and evaluate the potential for vapors in the subsurface to migrate to indoor air via vapor intrusion. Because the buildings may have other potential sources of volatile emissions, indoor air sampling is not recommended at this time.

6.2 EXPOSURE ASSESSMENT

The following section presents the elements of the exposure assessment including the conceptual exposure model (CEM), calculation of exposure point concentrations, and exposure assumptions.

6.2.1 Conceptual Exposure Model

The CEM is a tool to identify the exposure pathways for HHRA evaluation. The CEM is shown in Tables K.1.1 (on-Site) and K.1.2 (off-Site) and is discussed below.

An exposure pathway is the mechanism by which receptors may come into contact with COPCs. A complete exposure pathway has four components, defined by USEPA (1989) as follows:

1. A source and mechanism of chemical release (i.e., a source of contamination)
2. An environmental retention or transport medium for the release chemical
3. A point of potential human contact with the contaminated medium (i.e., an exposure point)
4. A route of exposure at the exposure point (e.g., ingestion, inhalation, or dermal contact)

Without the presence of the four components, exposure does not occur. The complete exposure pathways identified for this site are carried through the HHRA.

The Site is currently an active commercial/industrial area and the surrounding area is a mix of industrial/commercial areas, residential properties, and undeveloped land. The Site is bordered to the northeast by Woodside Avenue, a United States Post Office, and residential properties. To the southeast the Site is bordered a parcel adjacent to McCarter Road (South Carolina Highway 418), residential properties, industrial properties, and undeveloped land. To the northwest the Site is bordered by a recreation complex, residential properties, and undeveloped land. To the southwest, the Site is bordered by an industrial property and undeveloped land around the unnamed tributary to Stoddard Creek. As discussed in Section 2.7.1, there is no indication that the area within a one-mile radius of the Site is serviced by private wells.

The following complete or potentially complete pathways were identified for evaluation in the HHRA for current and future on-Site commercial workers, current and future on-Site trespassers, future on-Site construction workers, hypothetical future on-Site residential receptors, current and future off-Site workers, current and future off-Site trespassers, future off-Site construction workers, and hypothetical future off-Site residential receptors. It is assumed that subsurface soil (to a depth of 15 feet bgs) may be brought to ground surface in the future during excavations and future receptors may be exposed to both surface and subsurface soil. There are no volatile COPCs in surface soil; the inhalation of soil vapors is an incomplete exposure pathway.

Current On-Site Commercial Worker

- Incidental ingestion of surface soil;
- Dermal contact with surface soil;
- Inhalation of soil particulates; and
- Inhalation of indoor air vapors that have migrated from groundwater.

Future On-Site Commercial Worker

- Incidental ingestion of surface and subsurface soil;
- Dermal contact with surface and subsurface soil;
- Inhalation of soil particulates;
- Ingestion of groundwater used as potable water;
- Dermal contact with groundwater used as potable water during hand washing; and
- Inhalation of indoor air vapors that have migrated from groundwater.

Current On-Site Trespasser

- Incidental ingestion of surface soil;
- Dermal contact with surface soil; and
- Inhalation of soil particulates.

Future On-Site Trespasser

- Incidental ingestion of surface and subsurface soil;
- Dermal contact with surface and subsurface soil; and
- Inhalation of soil particulates.

Future On-Site Construction/Utility Workers

- Incidental ingestion of surface and subsurface soil during excavation activities;

- Dermal contact with surface and subsurface soil during excavation activities;
- Inhalation of soil particulates;
- Incidental ingestion of groundwater during excavation activities; and
- Dermal contact with groundwater during excavation activities.

Future On-Site Residents (adult and child)

- Incidental ingestion of surface and subsurface soil;
- Dermal contact with surface and subsurface soil;
- Inhalation of soil particulates;
- Ingestion of groundwater used as potable water;
- Dermal contact with and inhalation of volatile emissions from groundwater used as potable water during bathing and showering; and
- Inhalation of indoor air vapors that have migrated from groundwater.

Current/Future Off-Site Workers

- Ingestion of groundwater used as potable water;
- Dermal contact with groundwater used as potable water during hand washing; and
- Inhalation of indoor air vapors that have migrated from groundwater.
- Dermal contact with surface water while working in/near surface water

Current/Future Off-Site Trespassers

- Dermal contact with surface water while in/near surface water

Current/Future Off-Site Construction Workers

- Dermal contact with surface water while working in/near surface water;
- Incidental ingestion of groundwater during excavation activities; and
- Dermal contact with groundwater during excavation activities.

Future Off-Site Residents

- Dermal contact with surface water while in/near surface water;
- Ingestion of groundwater used as potable water;
- Dermal contact with and inhalation of volatile emissions from groundwater used as potable water during bathing and showering; and
- Inhalation of indoor air vapors that have migrated from groundwater.

The current/future on-Site and off-Site commercial worker receptor was assumed to work primarily indoors for the full workday. Direct exposure to on-Site surface soils would be limited due to the land surface being covered by asphalt/concrete parking areas and buildings but has been evaluated (incidental ingestion, dermal contact, and inhalation of particulates). Future soil exposures for commercial workers may occur to surface soil and subsurface soil that has been brought to the ground surface during future construction or intrusive activities. The use of groundwater as a potable water source is unlikely, as potable water is currently supplied to the Site and surrounding area by the Greenville Water System, and it is anticipated that potable water will be supplied to the area by the Greenville Water System in the future. However, the pathway has been evaluated for future on-Site and off-Site commercial workers in the HHRA (ingestion and dermal contact). Volatile compounds have been detected in groundwater samples collected at the Site at concentrations greater than the USEPA Residential VISLs (USEPA, 2015c) and may migrate to indoor air where commercial workers could be exposed. In addition, the off-Site commercial workers may work in or around the unnamed tributary to Stoddard Creek and may be exposed to COPCs detected in the shallow surface water (less than one foot deep).

Future on-Site construction/utility workers may come into direct contact with on-Site surface and subsurface soils during intrusive activities (incidental ingestion, dermal contact, and inhalation of particulates). Depth to groundwater measurements collected in August 2015 (both on-Site and off-Site) ranged in depths from 8.4 feet bgs to 20.45 feet bgs. Therefore, direct contact pathways for on-Site and off-Site groundwater (i.e., incidental ingestions and dermal contact) are considered completed for this receptor. Off-Site construction workers may also be exposed dermally to off-Site surface water if they work in or around the unnamed tributary to Stoddard Creek.

Current youth trespassers may come into direct contact with on-Site surface soil (incidental ingestion, dermal contact, and inhalation of particulates) while on-Site. Future soil exposures for youth trespassers may occur to surface soil and subsurface soil that has been brought to the ground surface during future construction or intrusive activities. Youth trespassers may also be exposed to the shallow off-Site surface water while in or near the unnamed tributary to Stoddard Creek.

On-Site residential exposures are unlikely because future land use is expected to remain commercial/industrial for the Site, but residential exposures were evaluated to provide information for decision making. Direct exposure to Site surface and subsurface soils via incidental ingestion, dermal contact, and inhalation of soil particulates has been evaluated. In addition, use of groundwater as a potable water source in the future has been assumed, and this pathway has been evaluated for the HHRA (ingestion, dermal contact, and inhalation of volatiles). The potential for indoor air vapor inhalation has also been evaluated for future on-Site hypothetical residential receptors.

Off-Site residential exposures are unlikely because future land use is expected to remain commercial/industrial for the area around the Site, but residential exposures were evaluated to provide information for decision making. Use of off-Site groundwater as a potable water source in the future has been assumed, and this pathway has been evaluated for the HHRA (ingestion, dermal contact, and inhalation of volatiles). The potential for indoor air vapor inhalation has also been evaluated for future off-Site hypothetical residential receptors. In addition, off-Site residents were evaluated for dermal exposures to off-Site surface water in the unnamed tributary to Stoddard Creek.

6.2.2 Exposure Point Concentrations

The maximum detected concentrations were used as the exposure point concentrations (EPCs) for the COPCs because there wasn't sufficient data to perform statistical analysis of the data by AOC. Using the data for the entire Site to perform statistical analysis of the COPCs would potentially result in not addressing potential hot spots at the Site. The maximum detected concentrations of the COPCs identified as the exposure point concentrations are summarized by AOC in Tables K.3.1 through K.3.10. The maximum

COPC concentrations were identified as the Site-wide COPC EPCs (broken down by on-Site and off-Site locations).

Only one COPC was identified for subsurface soil, chromium at AOC #4. Exposure to subsurface soil can only occur after intrusive activities through the surface soil. The maximum detected concentration of chromium at AOC #4 was detected in the surface soil (140 mg/kg). Using the maximum detected concentrations as EPCs, the current (surface soil) and future (surface and subsurface soil) soil EPCs are the same. Therefore, only one set of soil EPCs was used for both current and future exposures and risk calculations.

Typically, it is assumed that COPCs in soil are 100 percent bioavailable in the absence of Site specific bioavailability data. However, arsenic does not appear to be as available from soil as it is from water, which is the medium on which toxicity values have been based. The USEPA has reviewed studies concerning the relative bioavailability (RBA) of arsenic in soil and has recommended a RBA of 60 percent for arsenic in soil (USEPA, 2012) for soil ingestion exposures. The arsenic soil EPCs have been adjusted by this RBA during the risk characterization.

Using the maximum groundwater concentrations, the USEPA's VISL calculator was used to estimate potential indoor air concentrations for groundwater (**Appendix L**). The default average groundwater temperature of 25 degrees ^{0}C was used in the VISL calculator for both the on-Site and off-Site groundwater, as well as the other default generic attenuation factors. The estimated indoor air exposure point concentrations from the VISL calculator are summarized for on-Site and off-Site water in Tables K.3.9 and K.3.10, respectively.

The on-Site COPC EPCs are summarized below:

On-Site COPC	Soil EPC (mg/kg)	Groundwater EPC (µg/L)	Indoor Air EPC (µg/m^3)
Arsenic	21	NA	NA
Chromium	140	2.3	NA
Mercury	NA	NA	0.0563
Benzo(a)pyrene	0.045	NA	NA
PCE	NA	1,100	796

Notes: EPC = exposure point concentration
mg/kg = milligrams per kilogram
NA = not applicable
µg/L = micrograms per liter
µg/m3 = micrograms per cubic meter

The off-Site COPC EPCs are summarized below:

On-Site COPC	Groundwater EPC (µg/L)	Surface Water EPC (µg/L)	Indoor Air EPC (µg/m^3)
Chloroform	0.86	NA	0.129
PCE	67	58	48.5

Notes: EPC = exposure point concentration
NA = not applicable
µg/L = micrograms per liter
µg/m3 = micrograms per cubic meter

6.2.3 Daily Exposure Intake Assumptions

Tables K.4.1 through K.4.16 lists the exposure assumptions and intake calculations associated with the current and future potential exposures. The exposure assumptions are primarily taken from RAGS Part A (USEPA, 1989), USEPA Region 4 Supplemental Guidance to Human Health Evaluation Manual (USEPA, 2014), and the USEPA update of standard default exposure factors (USEPA, 2015d). Additional references include, but are not limited to, the Exposure Factors Handbook (USEPA, 2011) and RAGS Volume I: Human Health Evaluation Manual Supplemental Guidance, Part E (USEPA, 2004).

6.2.3.1 General Exposure Assumptions

Default values or values based on professional judgment were used for the intake variables for Site receptors. These assumptions include Site exposure duration of 25 years for the

Site commercial/industrial worker (USEPA, 2014), 6 months for the construction worker (professional judgment), 10 years for youth trespasser (USEPA, 2014), 20 years for adult resident, and 6 years for a child resident (USEPA, 2015d). An exposure frequency of 225 days per year (days/year) for industrial/commercial Site worker (USEPA, 2015d), 125 days/year for construction worker (professional judgment), 104 days/year for youth trespasser (professional judgement), and 350 days/year for residents (USEPA, 1915d) were assumed. An adult body weight of 80 kilograms (kg) and child body weight of 15 kg were used (USEPA, 2015d).

6.2.3.2 Incidental Ingestion of Surface and Subsurface Soil

Table K.4.1 illustrates the calculation of daily intake via incidental ingestion of surface and subsurface soil by a Site industrial/commercial worker. It is assumed by USEPA (2015b) that a Site worker ingests 100 milligrams of soil per day (mg/day). Table K.4.3 illustrates the calculation of daily intake via incidental ingestion of surface and subsurface soil by a construction worker performing excavation activities. It is assumed that construction workers ingest 330 mg/day (USEPA, 2015b). Table K.4.5 illustrates the calculation of daily intake via incidental ingestion of surface and subsurface soil by adult and child residents. It was assumed that an adult resident would ingest 100 mg/day and that a child resident would ingest 200 mg/day (USEPA, 2015b). Table K.4.7 illustrates the calculation of daily intake via incidental ingestion of surface and subsurface soil by youth trespassers. It was assumed that a youth trespasser would ingest 100 mg/day, the same as adult ingestion rate (USEPA, 2015b).

6.2.3.3 Dermal Contact with Surface Soil

Tables K.4.1 and K.4.3 illustrate the calculation of the daily intake from dermal contact with soils by the Site worker and construction worker. Both Site workers and construction workers were assumed to have an exposed skin surface area of 3,527 square centimeters (cm^2), which includes the head, hands, and forearms (USEPA, 2015b). The soil adherence factor for the Site worker is assumed to be 0.12 milligrams per square centimeter (mg/cm^2). This value represents the arithmetic mean of the weighted average of body part-specific mean adherence factors for adult workers at commercial and industrial sites based on

USEPA studies (USEPA, 2015b). The soil adherence factor for the construction worker is assumed to be 0.3 mg/cm^2 (USEPA, 2004). Table K.4.5 illustrates the calculation of the daily intake from dermal contact with soils by adult and child residents. The adult residents were assumed to have an exposed skin surface area of 6,032 cm^2, which includes the face, hands, forearms, and lower leg (USEPA, 2015b). The child residents were assumed to have an exposed skin surface area of 2,373 cm^2, which includes the face, hands, forearms, lower leg, and feet (USEPA, 2015b). The soil adherence factor for the adult resident is assumed to be 0.07 mg/cm^2 (USEPA, 2015b). This value represents the median value for a residential adult gardener. The soil adherence factor for the child resident is assumed to be 0.2 mg/cm^2 (USEPA, 2004). This value represents the median value for children playing in wet soil. Table K.4.7 illustrates the calculation of the daily intake from dermal contact with soils by the youth trespasser. The youth trespassers were assumed to have an exposed skin surface area of 6,032 cm^2, which is the value for adults that includes the face, hands, forearms, and lower leg (USEPA, 2015b). The soil adherence factor for the youth trespasser is assumed to be 0.07 mg/cm^2 (USEPA, 2015b). This value represents the median value for a residential adult gardener.

The dermally absorbed dose per event for the receptors exposed to on-Site soils is calculated in Table K.7.1.

6.2.3.4 Inhalation of Soil Particulates from Surface Soil

Tables K.4.2, K.4.4, K.4.6 and K.4.8 illustrate the calculation of the daily intake from inhalation of fugitive dust. A default particulate emission factor of 1.39x109 cubic meters per kilogram (m^3/kg) was assumed for all receptors (USEPA, 2002). The receptors are assumed to inhale 100 percent of their soil particulates from the Site, with the exception of the youth trespasser. The youth trespasser is assumed to inhale 50 percent of their soil particulates from the Site (professional judgement).

6.2.3.5 Ingestion of Groundwater

Tables K.4.9, K.4.10, and K.4.11 illustrate the calculation of the daily intake from ingestion of groundwater. The Site worker was assumed to have an ingestion rate of 1.25 liters per

day (L/day), which is half the default ingestion rate of 2.5 L/day for an adult resident (USEPA, 2015d). The construction worker is assumed to incidentally ingest groundwater during excavation/intrusive activities at a rate of 0.02 L/day (USEPA, 2014). The child resident was assumed to have an ingestion rate of 0.78 L/day, the adult resident was assumed to have an ingestion rate of 2.5 L/day; these rates assume potable use of groundwater, which is unlikely at the Site.

6.2.3.6 Dermal Contact with Groundwater

Tables K.4.9, K.4.10, and K.4.11 illustrate the calculation of the daily intake from dermal contact with groundwater. The Site worker was assumed to have an exposed skin surface area of 980 cm^2, which is the average value for adult hands (USEPA, 2011; assumes only hand washing exposure while at work). The construction worker was assumed to have an exposed skin surface area of 3,527 cm^2, which includes the face, forearms, and hands (USEPA, 2014). The residents were assumed to have their whole body surface area exposed during bathing (19,652 cm^2 for adults and 6,365 cm^2 for children; USEPA, 2015d).

The dermally absorbed dose per event for the receptors exposed to groundwater are calculated in Tables L.1 through L.13 in **Appendix L**.

6.2.3.7 Inhalation of Volatiles in During Use of Groundwater

Table K.4.11 illustrates the calculation of the daily intake from inhalation of volatiles during indoor use of groundwater by adult and child residents (i.e., bathing and showering). A default volatilization factor of 0.5 liters per cubic meter (L/m^3) is assumed (USEPA, 1989).

6.2.3.8 Inhalation of Volatiles from Groundwater in Indoor Air

Tables K.4.9 and K.4.12 illustrate the calculation of the daily intake from the inhalation of volatiles in groundwater that have migrated to indoor air. The Site workers were assumed to be exposed for 10 hours each work day (professional judgement) and residents were assumed to be exposed for 24 hours per day (USEPA, 2015d).

6.2.3.9 Dermal Contact with Surface Water

Tables K.4.13 through K.4.16 illustrate the calculation of the daily intake from dermal contact with surface water. The Site worker, construction worker, and residential adult were assumed to have an exposed skin surface area of 1,295 cm^2, which is the average value for adult feet (USEPA, 2011) due to the shallow depth of the surface water. The Site worker was assumed to be exposed 1 day a week (52 days per year, professional judgement). The construction worker was assumed to be exposed 125 days per year (professional judgement, assumes intrusive activities near surface water for six months). The residents (adult and child) and youth trespasser were assumed to be exposed 2 days a week (104 days per year, professional judgement). The residential child was assumed to have an exposed skin surface area of 490 cm^2, which is the average for the feet of 3 to less than 6 year olds (USEPA, 2011). The youth trespasser was assumed to have an exposed skin surface area of 1,050 cm^2, which is the average for the feet of 11 to less than 16 year olds (USEPA, 2011).

6.3 TOXICITY ASSESSMENT

The toxicity assessment is an integral part of the risk evaluation process. Toxicity values, such as reference doses and carcinogenic slope factors, are based primarily on human and animal studies with supportive evidence from pharmacokinetics, mutagenicity, and chemical structure studies. The USEPA has developed toxicity values that reflect the magnitude of adverse non carcinogenic and carcinogenic effects from exposure to specific chemicals. The toxicity values for this risk assessment have been taken from the USEPA's IRIS on-line database and the USEPA RSL Table (USEPA, 2015b).

6.3.1 Toxicity Values for Non-Carcinogenic Effects

Chemicals that give rise to toxic endpoints other than cancer and gene mutations are often referred to as "systemic toxicants" because of their effects on the function of various organ systems. Chemicals considered to be carcinogenic can also exhibit systemic toxicity effects. For many non-carcinogenic effects, protective mechanisms (i.e., exposure or dose thresholds) are believed to exist that must be overcome before an adverse effect is

manifested. This characteristic distinguishes systemic toxicants from carcinogens and mutagens, which are often treated as acting without a distinct threshold. As a result, a range of exposure exists from zero to some finite value that can be tolerated with essentially no chance of the organism expressing adverse effects. In developing toxicity values for evaluating non-carcinogenic effects, the standard approach is to identify the upper bound of this tolerance range or threshold and to establish the toxicity values based on this threshold.

The toxicity value most often used in evaluating non-carcinogenic effects is a Reference Dose (RfD) or Reference Concentration (RfC) for exposure. Various types of RfDs/RfCs are available depending on the exposure route of concern (e.g., oral or inhalation), the critical effect of the chemical (e.g., developmental or other), and the length of exposure being evaluated (e.g., chronic or subchronic).

The RfD/RfC is defined as a provisional estimate of a daily exposure level for the human population, including sensitive subpopulations that are likely to be without appreciable risk of deleterious effects during a portion of a lifetime (subchronic) or a lifetime (chronic). Chronic RfDs/RfCs are specifically developed to be protective for long-term exposures (i.e., 7 years to a lifetime [70 years]) and subchronic exposures are developed to be protective of short-term exposures. Subchronic RfDs, when available, have been used for construction/utility worker exposure scenarios and chronic RfDs were used in industrial/commercial worker, youth trespasser, and residential scenarios (Tables K.5.1 and K.5.2).

6.3.2 Toxicity Values for Carcinogenic Effects

Carcinogenesis, unlike many non-carcinogenic health effects, is generally thought to be a non-threshold effect. The USEPA assumes that a small number of molecular events can cause changes in a single cell that can lead to uncontrolled cellular growth. This hypothesized mechanism for carcinogenesis is referred to as “non-threshold” because there is believed to be essentially no level of exposure to such a chemical that does not pose a finite probability of generating a carcinogenic response.

To evaluate carcinogenic effects, the USEPA uses a two-part evaluation in which the chemical is first assigned a weight-of-evidence classification, and then an oral Carcinogenic Slope Factor (CSF) or Inhalation Unit Risk (IUR) factor is calculated. The weight-of-evidence classification is based on an evaluation of available data to determine the likelihood that the chemical is a human carcinogen. Chemicals with the strongest evidence of human carcinogenicity are denoted with Class A, B1, or B2, while chemicals with less supporting evidence are classified as C or D. The slope factor quantitatively defines the relationship between the dose and the response. The slope factor is generally expressed as a plausible upper-bound estimate of the probability of response occurring per unit of chemical.

Some of the carcinogens operate by a mutagenic mode of action for carcinogenesis. There is reason to believe that some chemicals with a mutagenic mode of action, which is expected to cause irreversible changes to DNA, would exhibit a greater effect in early-life versus later-life exposure. Cancer risk to children in the context of the USEPA's cancer guidelines includes both early-life exposures that may result in the occurrence of cancer during childhood and early-life exposures that may contribute to cancers later in life (USEPA, 2005a and b). Separate cancer risk equations are presented for mutagens (benzo[a]pyrene and chromium) in this risk assessment to address greater effects in early-life using age-dependent adjustment factors (ADAFs) for mutagens: 0<2 years = 10; 2<6 years = 3; 6<16 years = 3; 16<30 years = 1.

The slope factors used in this risk assessment were obtained from various sources. The oral CSFs and inhalation IURs for the COPCs are presented in Tables K.6.1 and K.6.2.

6.3.3 Toxicity Assessment of Dermal Exposures

RfDs or CSFs have not been derived specifically for dermal absorption. The administered oral RfDs and CSFs may be adjusted by chemical-specific gastrointestinal (GI) absorption rates, resulting in an absorbed dose RfD or CSF, as described in the USEPA's risk assessment guidance (USEPA, 1989). The GI absorption rates are taken from the USEPA RSL table (USEPA, 2015b). To evaluate potential risks from dermal exposures, the dermal intakes are compared to the adjusted (i.e., absorbed dose) toxicity values (USEPA, 2004).

In accordance with RAGS Part E, when values for oral absorption efficiency are greater than 50 percent, the oral RfD and oral CSF are not adjusted for GI absorption. The absorption efficiencies of the COPCs are included in Tables K.5.1 and K.6.1. The toxicity values of one of the COPCs, chromium, were adjusted for GI absorption; an absorption efficiency of 2.5 percent was used for chromium. The oral toxicity values for the remaining COPCs were not adjusted for GI absorption.

6.4 RISK CHARACTERIZATION

Risk characterization quantitatively integrates the results of the exposure and toxicity assessments with a set of default assumptions to help gauge risk to human populations. The estimated average daily intake is divided by the RfD/RfC for each non-carcinogenic COPC to characterize potential non-carcinogenic effects represented by a HI. The estimated average daily intake is multiplied by CSFs/IURs to characterize potential carcinogenic risk. Cumulative risks and hazards for each receptor and for multiple chemical results are provided in Tables K.7.1 through K.7.27, and summarized in Tables K.9.1 through K.9.11.

Because the Site is not fenced and is open, exposures can occur across the facility. Rather than calculating risks and hazards by AOC, the Site-wide risks/hazards were calculated, using the maximum COPC EPCs. As discussed previously, chromium was the only COPC identified for subsurface soil, and the maximum surface soil EPC (140 mg/kg) was greater than the maximum subsurface soil EPC (19 mg/kg). Using the maximum detected concentrations as EPCs, the current (surface soil) and future (surface and subsurface soil) soil EPCs are the same. Therefore, only one set of soil EPCs was used for both current and future exposures and risk calculations.

The following sections present the non-carcinogenic and carcinogenic risk characterization for soil, groundwater, and surface water COPCs. The target HI for this HHRA is 1. If the organ specific HI for a particular receptor exceeds 1, those COPCs primarily responsible for the exceedance are identified. In order to evaluate the Site for unrestricted land use, the carcinogenic target risk goal for the HHRA has been set to $1x10^{-6}$. If the cumulative

excess cancer risk for an on-Site receptor exceeds $1x10^{-6}$, then those carcinogenic COPCs primarily responsible for the exceedance are identified.

In this risk assessment, it is conservatively assumed that detected chromium is hexavalent chromium. In the ambient environment, chromium is typically present as trivalent chromium, which is much less toxic than hexavalent chromium. Chromium has not been speciated at the Site, except for at AOC #3, where hexavalent chromium was not detected. For these reasons, the risks associated with chromium may be overestimated.

6.4.1 Current/Future Industrial/Commercial Workers

6.4.1.1 On-Site

The cumulative risks and hazards for on-site current/future industrial/commercial workers for surface and subsurface soil (Table K.7.2) and groundwater (Table K.7.8) are summarized in Table K.9.1.

The cumulative HI for on-Site industrial/commercial workers exposed to Site concentrations of the COPCs is 7, which is greater than the target HI of 1. The elevated cumulative HI is primarily due to the ingestion and inhalation of PCE in groundwater (HI of 7). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1.

The cumulative carcinogenic risk for on-Site industrial/commercial workers is $5x10^{-5}$, which is greater than the target risk of $1x10^{-6}$ and is primarily associated with the ingestion and inhalation of chromium in soil ($2x10^{-5}$), ingestion of chromium in groundwater ($4x10^{-6}$), and ingestion and inhalation of PCE in groundwater ($3×10^{-5}$).

6.4.1.2 Off-Site

The cumulative risks and hazards for off-Site current/future industrial/commercial workers for groundwater (Table K.7.15) and surface water (Table K.7.22) are summarized in Table 9.7.

The cumulative HI for off-Site industrial/commercial workers exposed to Site concentrations of the COPCs is 0.4, which is less than the target HI of 1

The cumulative carcinogenic risk for off-Site industrial/commercial workers is $2x10^{-6}$, which is greater than the target risk of $1x10^{-6}$ and is primarily associated with the inhalation of PCE in groundwater ($2x10^{-6}$).

6.4.2 Future Construction/Utility Workers

6.4.2.1 On-Site

The cumulative risks and hazards for on-Site future construction/utility workers for surface and subsurface soil (Table K.7.3) and groundwater (Table K.7.8) are summarized in Table K.9.2.

The cumulative HI for on-Site construction/utility workers exposed to Site concentrations of the COPCs is 0.3, which is less than the target HI of 1. The cumulative carcinogenic risk for construction/utility workers is $2x10^{-6}$, which is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion of chromium in soil ($1x10^{-6}$). Other COPCs had carcinogenic risks less than the target risk of $1x10^{-6}$.

6.4.2.2 Off-Site

The cumulative risks and hazards for off-Site future construction/utility workers for groundwater (Table K.7.16) and surface water (Table K.7.23) are summarized in Table K.9.8.

The cumulative HI for off-Site construction/utility workers exposed to Site concentrations of the COPCs is 0.02, which is less than the target HI of 1. The cumulative carcinogenic risk for off-Site construction/utility workers is $5x10^{-9}$, which is less than the target risk of $1x10^{-6}$.

6.4.3 Future Residents

6.4.3.1 On-Site

Adults. The cumulative risks and hazards for future on-Site residential adults for surface and subsurface soil (Table K.7.4) and groundwater (Tables K.7.10 and K.7.11) pathways are summarized in Table K.9.3.

The cumulative HI for residential adults exposed to Site concentrations of the COPCs is 41, which is greater than the target HI of 1. This is primarily due to the ingestion and inhalation of PCE in groundwater (HI of 40). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1.

The cumulative excess cancer risks for on-Site residential adults is $2x10^{-4}$, which is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion, inhalation, and dermal contact of PCE in groundwater ($1x10^{-4}$), ingestion of chromium in soil ($5x10^{-5}$), and ingestion of chromium in groundwater ($2x10^{-5}$). Other COPCs had carcinogenic risks less than the target risk of $1x10^{-6}$.

Children. The cumulative risks and hazards for future on-Site residential children for surface and subsurface soil (Table K.7.5) and groundwater (Tables K.7.12 and K.7.13) pathways are summarized in Table K.9.4.

The cumulative HI for on-Site residential children exposed to Site concentrations of the COPCs is 50, which is greater than the target HI of 1. This is primarily due to the ingestion and inhalation of PCE in groundwater (HI of 50). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1.

The cumulative excess cancer risks for on-Site residential children is $5x10^{-4}$, which is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion, inhalation, and dermal contact of chromium in soil ($4x10^{-4}$), ingestion, inhalation, and dermal

contact of PCE in groundwater ($4x10^{-5}$), and ingestion of chromium in groundwater ($3x10^{-5}$). Other COPCs with carcinogenic risks greater than the target risk of $1x10^{-6}$ include arsenic and benzo(a)pyrene in soil.

Adults/Children. The cumulative risks for future on-Site residential adults/children (time weighted for exposure from child through adult) for surface and subsurface soil and groundwater pathways are provided in Tables K.7.6 and K.7.14 and summarized in Table K.9.5. The cumulative carcinogenic risk for residential adults/children is 8×10^{-4}, which is greater than the target risk of 1×10^{-6} and is primarily associated with the ingestion, inhalation, and dermal contact of chromium in soil ($5x10^{-4}$), ingestion, inhalation, and dermal contact of PCE in groundwater ($2x10^{-4}$), and ingestion of chromium in groundwater ($5x10^{-5}$). Other COPCs with carcinogenic risks greater than the target risk of $1x10^{-6}$ include arsenic and benzo(a)pyrene in soil.

6.4.3.2 Off-Site

Adults. The cumulative risks and hazards for future off-Site residential adults for groundwater (Tables K.7.17 and K.7.18) and surface water (Table K.7.24) pathways are summarized in Table K.9.9.

The cumulative HI for off-Site residential adults exposed to Site concentrations of the COPCs is 3, which is greater than the target HI of 1. This is primarily due to the inhalation of PCE in groundwater (HI of 2). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1.

The cumulative excess cancer risks for on-Site residential adults is $1x10^{-5}$, which is greater than the target risk of $1x10^{-6}$, and is primarily associated with ingestion, inhalation, and dermal contact of PCE in groundwater ($8x10^{-6}$), and inhalation of chloroform in groundwater ($4x10^{-6}$).

Children. The cumulative risks and hazards for future off-Site residential children for groundwater (Tables K.7.19 and K.7.20) and surface water (Table K.7.25) pathways are summarized in Table K.9.10.

The cumulative HI for off-Site residential children exposed to Site concentrations of the COPCs is 3, which is greater than the target HI of 1. This is primarily due to the inhalation of PCE in groundwater (HI of 3). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1.

The cumulative excess cancer risks for off-Site residential children is $4x10^{-6}$, which is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion, inhalation, and dermal contact of PCE in groundwater ($3x10^{-6}$), and inhalation of chloroform in groundwater ($1x10^{-6}$).

Adults/Children. The cumulative risks for future off-Site residential adults/children (time weighted for exposure from child through adult) for groundwater and surface water pathways are provided in Tables K.7.21 and K.7.26 and summarized in Table K.9.11. The cumulative carcinogenic risk for residential adults/children is 1×10^{-5}, which is greater than the target risk of 1×10^{-6} and is primarily associated with the ingestion, inhalation, and dermal contact of PCE in groundwater ($8x10^{-6}$), and inhalation of chloroform in groundwater ($1x\ 10^{-6}$).

6.4.4 Current/Future Youth Trespasser

The cumulative risks and hazards for current/future youth trespasser for surface and subsurface soil (Table K.7.7) and surface water (Table K.7.27) are summarized in Table K.9.6.

The cumulative HI for youth trespassers exposed to Site concentrations of the COPCs is 0.03, which is less than the target HI of 1. The cumulative carcinogenic risk for youth trespassers is $3x10^{-6}$, which is greater than the target risk of $1x10^{-6}$, and is primarily

associated with the ingestion of chromium in soil ($3x10^{-6}$). Other COPCs had carcinogenic risks less than the target risk of $1x10^{-6}$.

6.4.5 Chemical of Concern

The Chemicals of Concern (COCs) retained for the Site are those that contribute to a HI greater than 1 or excess cancer risk greater than $1x10^{-6}$. Tables K.10.1 through K.10.10 summarize the COCs identified for the receptors evaluated.

Based on residential exposure, the on-Site soil COCs identified for the Site are: arsenic, chromium, and benzo(a)pyrene. It should be noted that the maximum detected concentrations of arsenic and chromium were within the SCDHEC soil and stream sediment background ranges (Canova, 1999). The concentration of benzo(a)pyrene detected at the storm sewer outfall from the facility (0.045 mg/kg) was less than the concentration detected in the upstream sample (SS-07-04, 0.048 mg/kg). Due to these background and upstream concentrations, it is likely that the identified on-Site soil COCs are associated with naturally occurring metals or anthropogenic sources upstream (parking area). Therefore, remediation goals have not been identified for these on-Site soil COCs.

Based on residential exposure, the on-Site groundwater COCs retained for further evaluation for the Site are: chromium and PCE. It is recommended that the SCDHEC MCLs be used as the remedial goals for these on-Site groundwater COCs. The maximum detected concentration of chromium (2.3 µg/L) was less than the chromium MCL (100 µg/L). Therefore, only on-Site groundwater PCE concentrations exceed the remediation goals.

Based on residential exposure, the off-Site groundwater COCs retained for further evaluation for the Site are: chloroform and PCE. It is recommended that the SCDHEC MCLs be used as the remedial goals for these on-Site groundwater COCs. The maximum detected concentration of chloroform (0.86 µg/L) was less than the total trihalomethanes MCL (80 µg/L). Therefore, only off-Site groundwater PCE concentrations exceed the remediation goals. The MCL for PCE (5 µg/L) is less than the PCE residential VISL (5.8 µg/L). Therefore, the PCE MCL is protective of potential inhalation exposures due to vapor intrusion of PCE from groundwater.

6.5 UNCERTAINTIES

Uncertainty is inherent in the risk assessment process. Exposure is hypothetical, and the risk calculations are based in part on assumed conditions. An important part of the risk assessment process is characterizing underlying uncertainties. Understanding the uncertainties is important for the interpretation and ultimate use of the risk assessment results because actual risk may be underestimated or overestimated.

6.5.1 Uncertainties and Assumptions Associated with the Exposure Assessment

The data used for this HHRA included estimated data and data flagged as being potentially biased high or low. This may tend to underestimate or overestimate risk.

The use of the maximum detected concentrations in each media as the EPCs for the Site as a whole (divided between on-Site and off-Site) is a conservative approach that tends to overestimate actual exposure point concentrations. Chemicals and their concentrations vary by location at the site.

The risk assessment assumes that current levels detected in the soil, groundwater, and surface water will remain unchanged over 30 years. This assumption tends to overestimate risks. Chlorinated solvents are biodegradable; thus, attenuation is expected to occur naturally over a period of time. In addition, the risk assessment assumes that the levels are consistent across the Site.

The actual exposure rate and duration at any given location may vary over time rather than remain stable. Assuming that exposure intakes are stable and not subject to variation may underestimate or overestimate risk.

The assumption that groundwater at the Site and in the off-Site area is used as potable water is unlikely because public water is supplied by the Greenville Water System. The assumption of using groundwater at the Site as a potable water source may overestimate risk.

Arsenic in soil was assumed to have a RBA of 60 percent; the remaining COPCs were assumed to have RBAs of 100 percent for soil and water. This may underestimate or overestimate risk.

The indoor air concentrations used to estimate risk were not measured concentrations, but are modeled concentrations using the VISL calculator. The default groundwater temperature and attenuation factor from groundwater to indoor air were used. Depending on Site-specific conditions, a greater degree of attenuation may occur and, thus, the estimated indoor air concentrations may overstate Site-related potential exposures.

6.5.2 Uncertainties and Assumptions Associated with the Toxicity Assessment

There are substantial uncertainties associated with use of toxicity data extrapolated from rats and mice to humans. In some instances, biological pathways and mechanisms of metabolism differ significantly between mammalian species. Because of these differences, humans may be either more or less sensitive than the surrogate laboratory species. The application of uncertainty factors in USEPA's RfDs/RfCs assumes that humans may be more sensitive, although this is not always the case. This extrapolation may tend to either underestimate or overestimate risk.

Incorporation of variability in response among individuals in the population is entirely appropriate to ensure that members of the exposed population are protected. That portion of the uncertainty factor that represents true uncertainty, however, may result in overestimation of risk.

Total chromium was assumed conservatively to be hexavalent chromium although hexavalent chromium was not reportedly used at the Site. Hexavalent chromium is much more toxic than trivalent chromium. Use of hexavalent chromium toxicity data may result in an overestimation of risk from this constituent

6.5.3 Uncertainties and Assumptions Associated with Risk Characterization

When risks and hazards for multiple COPCs were summed, the effects were assumed to be cumulative. This may overestimate or underestimate risk.

Inorganic compounds are naturally occurring in the environment; two of the three soil COPCs and one of the three groundwater COPCs are metals. In addition, PAHs, such as the soil COPC benzo(a)pyrene, are found in the environment due to anthropogenic activities. The two soil metals COPCs were detected at concentrations within the SCDHEC soil and stream sediment background ranges (Canova, 1999). The benzo(a)pyrene detected in the surface soil near the Site outfall north of the facility was less than the benzo(a)pyrene concentration detected in an upstream sample location. Identifying these compounds as COPCs and using their concentrations to estimate Site risks and hazards may overestimate risk.

6.5.4 Uncertainties Summary

While some of the uncertainties identified above may underestimate the potential risks from exposures to groundwater, overall the use of conservative assumptions throughout the risk evaluation is intended to result in an evaluation that is conservative and tends to overestimate potential risks. By examination of uncertainties associated with the exposure assessment and the toxicity assessment, which are combined by multiplication in the risk characterization, it is likely that the HHRA overestimates potential current and future risks and hazards associated with soil, groundwater, and surface water at and near the Site.

6.6 BASELINE RISK ASSESSMENT CONCLUSIONS

The HHRA considered potential exposures to soils, groundwater, sediment, and surface water associated with the Site. Potential receptors addressed in the HHRA include current and future industrial/commercial workers, future construction/utility workers, future youth trespassers, and future hypothetical residents. Exposure routes include the ingestion, dermal contact, and inhalation of particulates from soils, the ingestion, dermal contact, and inhalation of vapors from groundwater, the inhalation of indoor air vapors, and dermal

contact with surface water. The land use at the Site is currently commercial/industrial, and future land use will likely remain as commercial and/or industrial. The use of groundwater as a potable water source is unlikely as potable water is currently supplied to the area by the Greenville Water System, and it is anticipated that potable water will be supplied to the area by Greenville Water System in the future. However, the pathway has been evaluated for industrial/commercial workers and residents in the HHRA.

Constituent concentrations were compared to residential soil, tap water, and indoor air screening values to identify COPCs. Exposure point concentrations for each medium and COPC were identified and combined with Site exposure assumptions to estimate a daily dose for each pathway and receptor group. The maximum detected concentrations were used as the EPCs for soil, groundwater, and surface water. Estimated daily doses were compared to benchmark values designed to be protective of human health endpoints for systemic toxicity and potential carcinogenic effects.

The risk characterization quantitatively evaluated the potential risks and hazards associated with exposure to soil, groundwater, indoor air, and surface water at and near the Site for industrial/commercial workers, construction workers, youth trespassers, and future hypothetical residents (adult and child). Exposure to surface and subsurface soil (0-15 foot depth) were evaluated for each receptor for risk decision making purposes. Exposure to indoor air was evaluated for both on-Site and off-Site areas to help focus remedial activities, as necessary, on groundwater contamination that may impact indoor air.

6.6.1 Industrial/Commercial Workers

The cumulative HI for on-Site current and future industrial/commercial workers exposed to Site concentrations of the COPCs is greater than the target HI of 1 and is primarily due to the ingestion and inhalation of PCE in groundwater (HI of 7). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1. The cumulative carcinogenic risks for current and future on-Site industrial/commercial workers are greater than the target risk of $1x10^{-6}$, and are primarily associated with the ingestion and inhalation of chromium in soil ($2x10^{-5}$),

ingestion of chromium in groundwater ($4x10^{-6}$), and ingestion and inhalation of PCE in groundwater ($3×10^{-5}$).

The cumulative HI for off-Site current and future industrial/commercial workers exposed to Site concentrations of the COPCs is less than the target HI of 1. The cumulative carcinogenic risks for current and future off-site industrial/commercial workers are greater than the target risk of $1x10^{-6}$, and are primarily associated with the inhalation of PCE in groundwater ($1x10^{-6}$).

6.6.2 Construction/Utility Workers

The cumulative HIs for on-Site construction/utility workers exposed to Site concentrations of the COPCs is less than the target HI of 1. The cumulative carcinogenic risk for on-Site construction/utility workers is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion of chromium in soil ($1x10^{-6}$). Other COPCs had carcinogenic risks less than the target risk of $1x10^{-6}$.

The cumulative HIs for off-Site construction/utility workers exposed to Site concentrations of the COPCs is less than the target HI of 1. The cumulative carcinogenic risk for off-Site construction/utility workers is less than the target risk of $1x10^{-6}$.

6.6.3 Residential Adults

The cumulative HIs for on-Site residential adults exposed to Site concentrations of the COPCs is greater than the target HI of 1. This is primarily due to the ingestion and inhalation of PCE in groundwater (HI of 40). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1. The cumulative excess cancer risks for on-Site residential adults is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion, inhalation, and dermal contact of PCE in groundwater ($1x10^{-4}$), ingestion of chromium in soil ($2x10^{-5}$), and ingestion of chromium in groundwater ($1x10^{-5}$). Other COPCs had carcinogenic risks less than the target risk of $1x10^{-6}$.

The cumulative HIs for future off-Site residential adults exposed to Site concentrations of the COPCs is greater than the target HI of 1. This is primarily due to the inhalation of PCE in groundwater (HI of 2). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1. The cumulative excess cancer risks for off-Site residential adults is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion, inhalation, and dermal contact of PCE in groundwater ($8x10^{-6}$), and inhalation of chloroform in groundwater ($4x 10^{-6}$).

6.6.4 Residential Children

The cumulative HIs for future on-Site residential children exposed to Site concentrations of the COPCs soil is greater than the target HI of 1. This is primarily due to the ingestion and inhalation of PCE in groundwater (HI of 110). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1. The cumulative excess cancer risk for future on-Site children is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion and inhalation of chromium in soil ($4x10^{-4}$), ingestion, inhalation, and dermal contact of PCE in groundwater ($4x10^{-5}$), and ingestion of chromium in groundwater ($3x 10^{-5}$). Other COPCs with carcinogenic risks greater than the target risk of $1x10^{-6}$ include arsenic and benzo(a)pyrene in soil.

The cumulative HIs for off-Site residential children exposed to Site concentrations of the COPCs in groundwater and surface water is greater than the target HI of 1. This is primarily due to the inhalation of PCE in groundwater (HI of 2). Only the organ-specific HI associated with PCE (neurotoxicity) exceed the target HI of 1. The other COPCs had organ-specific HIs less than the target HI of 1. The cumulative excess cancer risk for future off-Site children is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion, inhalation, and dermal contact of PCE in groundwater ($3x10^{-6}$), and inhalation of chloroform in groundwater ($1x10^{-6}$).

6.6.5 Residential Adults/Children

The cumulative carcinogenic risk for future on-Site residential adults/children is 8×10^{-4}, which is greater than the target risk of 1×10^{-6} and is primarily associated with the ingestion and inhalation of chromium in soil ($5x10^{-4}$), ingestion, inhalation, and dermal contact of PCE in groundwater ($2x10^{-4}$), and ingestion of chromium in groundwater ($5x10^{-5}$). Other COPCs with carcinogenic risks greater than the target risk of $1x10^{-6}$ include arsenic and benzo(a)pyrene in soil.

The cumulative carcinogenic risk for future off-Site residential adults/children is 1×10^{-5}, which is greater than the target risk of 1×10^{-6} and is primarily associated with the ingestion, inhalation, and dermal contact of PCE in groundwater ($8x10^{-6}$), and inhalation of chloroform in groundwater ($1x10^{-6}$).

6.6.6 Youth Trespassers

The cumulative HIs for future youth trespassers exposed to Site concentrations of the COPCs is less than the target HI of 1. The cumulative carcinogenic risk for future youth trespassers is greater than the target risk of $1x10^{-6}$, and is primarily associated with the ingestion of chromium in soil ($3x10^{-6}$). Other COPCs had carcinogenic risks less than the target risk of $1x10^{-6}$.

6.6.7 Retained COPCs

The COPCs retained for the Site are those that contribute to a HI greater than 1 or excess cancer risk greater than $1x10^{-6}$. The on-Site soil risks appear to be related to background levels of arsenic and chromium, and anthropogenic levels of benzo(a)pyrene. Therefore, remediation goals have not been identified for these on-site soil COCs.

Based on residential exposure, the on-Site groundwater COPCs retained as COCs are chromium and PCE.

Based on residential exposure, the off-Site groundwater COPCs retained as COCs are chloroform and PCE.

The groundwater COCs identified have SCDHEC MCLs and these are recommended as the remediation goals. The maximum detected concentrations of chromium and chloroform are less than their MCLs. Therefore, only the on-Site and off-Site concentrations of PCE exceed the proposed groundwater remediation goals. The SCDHEC MCL for PCE (5 µg/L) is less than the PCE USEPA Residential VISL (5.8 µg/L). Therefore, the PCE MCL is protective of potential inhalation exposures due to vapor intrusion of PCE from groundwater.

Due to the variability of the groundwater data and that soil vapor levels have not been evaluated near existing buildings, it is recommended that exterior soil vapor or sub-slab soil vapor samples be collected to further delineate and evaluate the potential for vapors in the subsurface to migrate to indoor air via vapor intrusion. Because the buildings may have other potential sources of volatile emissions, indoor air sampling is not recommended at this time.

7.0 SUMMARY AND CONCLUSIONS

This section presents a summary of the results of the RI; conclusions resulting from the RI and HHRA; and recommendations for evaluating the need for response actions in a FS for those Site conditions that were determined to pose a potential risk to human health or the environment.

7.1 SUMMARY

The following subsections summarize the nature and extent of constituents in Site media and conclude whether or not impacts to media have been adequately delineated to proceed to a FS where risks to human health have been identified.

7.1.1 Nature and Extent of Site-Related Constituents

7.1.1.1 Soils

The nature and extent of potential Site impacts to surface and subsurface soil has been delineated. No constituents were found to be present above the USEPA Residential RSLs in the surface or subsurface soil samples collected during the RI with the exception of the surface soil samples collected at AOC #7. Based on an evaluation of the location of the surface soil samples and the concentrations detected, it was concluded that the PAHs in the surface soil sample were related to an off-Site source and not a discharge from Outfall 002. The HHRA concluded that on-Site soil risks appear to be related to background levels of arsenic and chromium and anthropogenic levels of benzo(a)pyrene. Therefore, remediation goals have not been identified for these on-Site soil COCs.

7.1.1.2 Surface Water

The nature and extent of potential Site impacts to surface water has been delineated. PCE was detected in six of the AOC #9 surface water samples taken from the unnamed tributary to Stoddard Creek (SW-09-04, SW-09-05, SW-09-06, SW-09-07, SW-09-08, and SW-09-

12. The HHRA did not identify an unacceptable risk for human health posed by exposure to surface water at the Site.

7.1.1.3 Sediment

The nature and extent of potential Site impacts to sediment has been delineated. The HHRA did not identify an unacceptable risk for human health exposed to sediment.

7.1.1.4 Groundwater

Concentrations of PCE did not exceed SCDHEC MCL in any of the pore water samples that were analyzed. PCE was detected above the SCDHEC MCL in four of the 19 shallow groundwater monitoring wells (MW-09-07, MW-09-09, MW-09-11, and MW-09-15). PCE was not detected in any of the six bedrock monitoring well samples. The HHRA identified chromium and PCE as COCs for on-Site groundwater and chloroform and PCE as COCs for off-Site groundwater

7.1.2 Fate and Transport

An evaluation of the fate and transport of constituents present in Site media indicate the principal chemical constituents of concern include PCE in groundwater and surface water in AOC #9. Due to the age of the Site, history of operations and release mechanisms, the magnitude and extent of impacts to groundwater and surface water are expected to be stable in the future. The boundary of groundwater affected by the Site appears stable and should not expand, but is expected to persist.

7.1.3 Risk Assessment

The COPCs retained for the Site are those that contribute to a HI greater than 1 or excess cancer risk greater than $1x10^{-6}$ and include arsenic, chromium, and benzo(a)pyrene.

Based on residential exposure, the on-Site groundwater COPCs retained as COCs are chromium and PCE. The off-Site groundwater COPCs retained as COCs are chloroform and PCE.

7.2 CONCLUSIONS

The following conclusions are made based on the results of the RI and HHRA.

7.2.1 RI

The remedial investigation has delineated impacts to Site media including soil, surface water, sediment and groundwater. It is recommended that a FS be conducted for the Site to evaluate remedial alternatives to address:

- Potential human health exposure from future potable use of shallow groundwater containing elevated concentrations of PCE.

No further action is needed for soils, surface water, and sediment based on an assessment of human health risks posed by these media. The evaluation of remedial alternatives and response actions to address PCE impacts groundwater in a FS should take into account administrative and engineered controls to achieve remedial action objectives.

7.2.2 HHRA

The HHRA did not identify unacceptable risk to human health posed by exposure to surface water or sediments.

The on-Site soil risks are considered to be related to background levels of arsenic and chromium and anthropogenic levels of benzo(a)pyrene. Therefore, remediation goals have not been identified for these on-Site soil COCs.

The groundwater COCs identified (chromium, chloroform, and PCE) have SCDHEC MCLs and these are recommended as the remediation goals. The maximum detected

concentrations of chromium and chloroform are less than their MCLs. Therefore, only the on-Site and off-Site concentrations of PCE exceed the proposed groundwater remediation goals. The SCDHEC MCL for PCE (5 µg/L) is less than the PCE USEPA Residential VISL (5.8 µg/L). Therefore, the PCE MCL is protective of potential inhalation exposures due to vapor intrusion of PCE from groundwater.

7.2.3 Data Limitations and Recommendations for Future Work

Based on an evaluation of the results of the RI activities, the RI has delineated impacts to Site media including soil, surface water, sediment and groundwater.

Data Quality Objectives for the RI identified in the RI/FS WP (AMEC, 2012) have been met. The RI data was determined to be of adequate quality and quantity to define the nature and extent of constituents in all media at the Site, and to assess potential risks to human health in the HHRA. Therefore, there are no data limitations or recommendations for future work related to Site characterization.

7.2.4 Recommended Remedial Action Objectives

Remedial action objectives (RAOs) consist of media-specific or operable unit-specific (i.e., AOCs) goals for protecting human health and the environment that specify:

- The constituents(s) of concern;
- Exposure route(s) and receptor(s);
- An acceptable contaminant level or range of levels for each exposure route.

RAOs for protecting human receptors should express both a contaminant level and an exposure route, rather than contaminant levels alone, because protectiveness may be achieved by reducing exposure (such as limiting access, or providing an alternate water supply) as well as by reducing contaminant levels.

The preliminarily-identified RAOs recommended for the Site that will be refined in a FS that evaluates response actions to address potential risks to human health from PCE-impacts to surface water and groundwater at the Site include:

- Groundwater: Prevent potable use of groundwater that contains concentrations of PCE that pose potential risks to human health;

8.0 LIST OF ACRONYMS

ACS	American Community Survey
ADAF	age-dependent adjustment factor
AES	Analytical Environmental Services
AOC	Area of Concern
ARAR	Applicable or Relevant and Appropriate Requirements
AWQC	Ambient Water Quality Criteria
bgs	below ground surface
^{o}C	degrees Celsius
CCB	continuing calibration blank
CEM	conceptual exposure model
c-1,2-DCE	cis-1,2-dichloroethene
cm^2	square centimeter
COC	chemical of concern
COPC	chemical of potential concern
CSF	cancer slope factor
DO	Dissolved Oxygen
DPT	direct push technology
EDD	electronic data deliverable
ELCR	Excess Lifetime Cancer Risk
EPC	exposure point concentration
FDR	Field Data Record
FICC	Fountain Inn Chamber of Commerce
FS	Feasibility Study
FSAP	Field Sampling and Analysis Plan
GI	gastro-intestinal
GIS	Geographical Information System
GPS	Global Positioning Satellite
HHRA	human health risk assessment
HI	hazard index
HQ	hazard quotient
i	hydraulic gradient
ICP	inductively coupled plasma
ICS	interference check standard
IDW	investigative derived waste
ID	Inside Diameter
IRIS	Integrated Risk Information System
IUR	inhalation unit risk
K	hydraulic conductivity

Kg	kilogram
LCS	laboratory control sample
L/day	liter per day
L/m^3	liter per cubic meter
MCL	Maximum Contaminant Level
m^3/kg	cubic meter per kilogram
MDL	minimum detection limit
$\mu g/m^3$	microgram per cubic meter
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
mg/cm^2	milligram per square centimeter
mg/L	milligrams per liter
MS/MSD	Matrix Spike/ Matrix Spike Duplicate
MSL	mean sea level
mV	millivolt
ne	effective porosity
NGVD	National Geodetic Vertical Datum
NTU	Nephelometric Turbidity Unit
ORP	Oxidation Reduction Potential
PAHs	polynuclear aromatic hydrocarbons
PCE	tetrachloroethene (perchloroethylene)
PCOPC	Preliminary Constituent of Potential Concern
PCBs	polychlorinated biphenyls
PID	photoionization detector
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RAGs	Risk Assessment Guidelines
RAOs	Remedial Action Objectives
RBA	relative bioavailability
RBTC	Robert Bosch Tool Corporation
RfC	reference concentration
RfD	reference dose
RI	Remedial Investigation
RL	reporting limit
RPD	relative percent difference
RSL	Regional Screening Level
SCDHEC	South Carolina Department of Health and Environmental Control
SCES	South Carolina Department of Employment and Workforce
SCM	Site Conceptual Model
SCSDC	South Carolina State Data Center

SDG	Sample Delivery Group
Site	Former Vermont Bosch Facility
SSL	Soil Screening Level
SVOCs	semi-volatile organic compounds
TAL	Target Analyte List
TBC	To Be Considered
TCE	trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
TPH-DRO	Total Petroleum Hydrocarbons-Diesel Range Organics
TPH O&G	Total Petroleum Hydrocarbons, Oil & Grease
USCB	United States Census Bureau
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
USGS	Unites States Geological Survey
UST	underground storage tank
V	groundwater seepage velocity
VAC	Vermont American Corporation
VCC	Voluntary Cleanup Contract
VISL	Vapor Intrusion Screening Level
VOCs	volatile organic compounds
WP	Work Plan
WQC	Water Quality Criteria

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TABLES

TABLE 2.1

Summary of Monitoring Well Construction Information
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Monitoring Well	Date Installed	Northing	Easting	Ground Elevation (ft, msl)	TOC Elevation (ft, msl)	Boring Depth (ft, bgs)	Casing Depth (ft, bgs)	Well Depth (ft, bgs)	Screened Interval (ft, bgs)	Screen Length (ft)	Top of Sand (ft, bgs)	Top of Bentonite (ft, bgs)
B-1	4/23/1985	1040043.7640	1639622.5660	834.83	834.59	21.00	NA	20.40	10.40 - 20.40	10.00	9.00	8.00
MW-08-01	8/30/2002	1039825.6220	1639518.2470	833.81	833.58	24.00	NA	24.00	14.00 - 24.00	10.00	NM	NM
MW-08-2D	12/3/2014	1039818.7168	1639511.8542	834.06	833.80	82.00	63.00	82.00	76.00 - 81.00	5.00	74.00	70.00
MW-08-03	11/12/2014	1039759.7352	1639474.9823	834.02	833.56	20.25	NA	20.25	10.00 - 20.00	10.00	8.00	6.00
MW-08-04	11/13/2014	1039728.9413	1639555.5862	829.01	828.78	19.75	NA	19.75	9.50 - 19.50	10.00	7.50	5.50
MW-08-05	11/12/2014	1039793.8660	1639602.9207	831.65	831.35	20.25	NA	20.25	10.00 - 20.00	10.00	8.00	6.00
MW-09-06	11/12/2014	1039456.7701	1639115.7991	822.46	822.13	20.25	NA	20.25	10.00 - 20.00	10.00	8.00	6.00
MW-09-07	7/17/2015	1039581.9240	1639063.2460	829.14	828.88	25.25	NA	25.25	15.00 - 25.00	10.00	13.00	11.00
MW-09-08D	7/17/2015	1039585.6570	1639058.7090	828.98	828.72	92.25	78.00	92.25	87.00 - 92.00	5.00	82.00	74.00
MW-09-09	11/10/2014	1039652.8179	1639080.8861	831.12	830.93	25.25	NA	25.25	15.25 - 25.25	10.00	13.00	10.00
MW-09-10	11/13/2014	1039555.6434	1638909.2130	818.55	818.00	19.25	NA	19.25	9.00 - 19.00	10.00	7.00	5.00
MW-09-11	11/13/2014	1039386.6393	1638955.6618	818.39	818.14	20.25	NA	20.00	10.00 - 20.00	10.00	8.00	6.00
MW-09-12D	11/20/2014	1039392.0883	1638957.3280	818.29	818.18	74.00	54.00	74.00	69.00 - 74.00	5.00	67.00	64.00
MW-09-13	11/14/2014	1039285.2089	1639020.2683	815.95	815.59	20.25	NA	20.25	10.00 - 20.00	10.00	8.00	6.00
MW-09-14	11/18/2014	1039303.4034	1638867.7271	814.71	814.55	19.75	NA	19.75	9.50 - 19.50	10.00	7.00	5.00
MW-09-15	11/14/2014	1039242.2453	1638948.7488	815.05	814.76	20.25	NA	20.25	10.00 - 20.00	10.00	8.00	6.00
MW-09-16D	11/21/2014	1039244.1948	1638952.9302	814.97	814.83	72.00	53.00	72.00	67.00 - 72.00	5.00	64.00	51.00
MW-09-17	11/18/2014	1039127.9002	1638846.3974	814.12	813.84	19.25	NA	19.25	9.00 - 19.00	10.00	7.00	5.00
MW-09-18D	11/24/2014	1039122.2100	1638842.1298	813.91	813.76	88.00	68.00	88.00	78.00 - 88.00	10.00	75.00	67.00
MW-09-19D	11/25/2014	1039534.1427	1639075.8665	828.15	828.02	83.00	71.00	81.00	76.00 - 81.00	5.00	74.00	70.00
MW-03-20	11/11/2014	1039926.7539	1639185.7182	834.20	833.81	27.25	NA	27.25	17.00 - 27.00	10.00	15.00	13.00
MW-03-21	11/11/2014	1039907.5862	1639187.8169	834.30	834.08	27.25	NA	27.25	17.00 - 27.00	10.00	15.00	13.00
MW-04-22	11/10/2014	1039582.7906	1639157.3514	828.05	827.71	25.25	NA	25.25	15.00 - 25.00	10.00	13.00	11.00
MW-04-23	11/10/2014	1039562.3922	1639179.0462	826.55	826.27	25.25	NA	25.25	15.00 - 25.00	10.00	13.00	11.00
MW-02-24	11/11/2014	1039843.8490	1639083.9636	834.24	833.76	25.25	NA	25.25	15.00 - 25.00	10.00	13.00	11.00
MW-09-25	7/13/2015	1039083.6100	1638635.6690	801.84	801.71	20.25	NA	20.25	10.00 - 20.00	10.00	6.90	4.70

Notes:
Elevations surveyed by Freeland and Associates, Inc., of Greenville, South Carolina.
Elevations expressed in feet above North American Vertical Datum 1988.
TOC = top of casing
ft = feet
msl = mean sea level
bgs = below ground surface
NA = Not available. No casing was constructed during the well installation process.

Prepared By:/Date: LLM 08/11/15
Checked By:/Date:ZJD 03/04/16

TABLE 2.2

Summary of Groundwater Elevation Data
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Monitoring Well	Date Measured	TOC Elevation (ft, bgs)	Depth to Ground Water (ft, bgs)	Water Table Elevation (ft, msl)	Screen Placement
B-1	08/13/15	834.59	12.16	822.43	Overburden
MW-08-01	08/13/15	833.58	13.08	820.50	Overburden
MW-08-2D	08/13/15	833.80	13.76	820.04	Bedrock
MW-08-03	08/13/15	833.56	13.61	819.95	Overburden
MW-08-04	08/13/15	828.78	8.41	820.37	Overburden
MW-08-05	08/13/15	831.35	10.23	821.12	Overburden
MW-09-06	08/13/15	822.13	14.80	807.33	Overburden
MW-09-07	08/13/15	828.88	18.79	810.09	Overburden
MW-09-08D	08/13/15	828.72	18.61	810.11	Bedrock
MW-09-09	08/13/15	830.93	19.37	811.56	Overburden
MW-09-10	08/13/15	818.00	8.40	809.60	Overburden
MW-09-11	08/13/15	818.14	11.48	806.66	Overburden
MW-09-12D	08/13/15	818.18	11.36	806.82	Bedrock
MW-09-13	08/13/15	815.59	12.17	803.42	Overburden
MW-09-14	08/13/15	814.55	10.15	804.40	Overburden
MW-09-15	08/13/15	814.76	11.81	802.95	Overburden
MW-09-16D	08/13/15	814.83	11.91	802.92	Bedrock
MW-09-17	08/13/15	813.84	16.70	797.14	Overburden
MW-09-18D	08/13/15	813.76	19.42	794.34	Bedrock
MW-09-19D	08/13/15	828.02	19.28	808.74	Bedrock
MW-03-20	08/13/15	833.81	14.50	819.31	Overburden
MW-03-21	08/13/15	834.08	14.61	819.47	Overburden
MW-04-22	08/13/15	827.71	16.91	810.80	Overburden
MW-04-23	08/13/15	826.27	15.31	810.96	Overburden
MW-02-24	08/13/15	833.76	20.45	813.31	Overburden
MW-09-25	08/13/15	801.71	9.57	792.14	Overburden

Notes:
Water levels measured on August 13, 2015
Elevations expressed in feet above North American Vertical Datum 1988.
TOC = top of casing
ft = feet
bgs = below ground surface
msl = Mean Sea Level

Prepared ByDate: LLM 08/13/15
Checked By/Date: ZJD 08/13/15

TABLE 3.1

Summary of Meteorological Data
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Data	Units	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
Daily Max T	°F	78	81	89	93	96	105	107	105	98	92	83	79	92.2
Daily Min T	°F	-4	8	11	24	31	47	56	53	39	26	18	5	26.2
Total Precip (mon. avg.)	inches	3.81	3.8	4.74	3.39	3.86	3.93	4.99	4.46	3.55	3.3	3.66	4.12	47.61
Total Precip (mon. max)	inches	7.19	7.33	11.37	9.15	6.37	10.12	14.45	17.37	11.12	9.45	7.85	8.67	17.37
Max 24-hr Precip	inches	3.05	3.42	2.83	2.63	3.25	3.58	4.68	9.32	4.00	4.48	3.00	3.29	9.32
# Days Precip (avg)[1]	days	9.8	9.1	10	10.4	9.7	11.2	12.6	11.4	7.9	7	8.5	10.2	117.8

Notes:
Climatological Data from Greenville-Spartanburg International Airport (South Carolina), 1980-2015
T = temperature.
Max = Maximum
Min = Minimum
Precip = Precipitation
mon = monthly
avg = average
hr = hour
[1] = Measurable precipitation ($\geq$0.01 inch)
°F = Degrees Fahrenheit

Prepared by/Date: ZJD 11/04/15
Checked by/Date: LLM 03/03/16

TABLE 3.2

Summary of Hydraulic Conductivity Testing Results
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Well ID	Test Type	Test Date	Well I.D. (inches)	Hydraulic Conductivity Test Results (cm/sec)		Average K (cm/sec)
				Bouwer & Rice	Hvorslev	
MW-08-01	Falling Head	2/4/2015	2	9.15E-04	1.34E-03	1.13E-03
	Rising Head	2/4/2015	2	3.22E-04	4.12E-04	3.67E-04
MW-08-03	Rising Head	2/4/2015	2	1.98E-04	8.39E-05	1.41E-04
MW-08-04	Falling Head	2/4/2015	2	5.06E-04	6.85E-04	5.95E-04
	Rising Head	2/4/2015	2	4.65E-04	6.42E-04	5.53E-04
MW-09-09	Rising Head	2/4/2015	2	2.72E-03	4.98E-03	3.85E-03
MW-09-11	Rising Head	2/4/2015	2	1.42E-03	2.50E-03	1.96E-03
MW-09-15	Rising Head	2/4/2015	2	1.54E-03	2.70E-03	2.12E-03
MW-09-16D	Falling Head	2/4/2015	2	2.77E-04	3.26E-04	3.01E-04
	Rising Head	2/4/2015	2	2.88E-04	3.31E-04	3.09E-04
MW-09-17	Rising Head	2/4/2015	2	1.53E-03	2.52E-03	2.02E-03

Notes:
I.D. = inside diameter
cm/sec = centimters per second
K = Hydraulic Conductivity

Prepared By/Date: CHB 11/01/15
Checked By/Date: PSJ 03/03/16

TABLE 3.3

Socio-Economic Factors for the City of Fountain Inn and Greenville County, South Carolina
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Factor	City of Fountain Inn	Greenville County
Population [1]	5,790	451,225
White Population (%) [1,2]	60.5	70.3
African American Population (%) [1,2]	31.0	17.9
Asian Population (%) [1,2]	0.3	1.9
Hispanic Population (%) [1,2]	6.0	8.1
Other Race Population (%) [1,2]	2.2	1.8
Geographic Area (square miles) [2,3]	5.12	794.87
Population Density (persons per square mile) [2,3]	1,132	574.7
Labor Force [1,2]	4,008	230,858
Median Household Income [2,3]	$46,152	$49,022
Percent Unemployment (2010) 2,3	12.3	6.0
Persons per household [1,2]	2.67	2.49

Notes:

1 United States Census Bureau, State & County Quick Facts, Greenville, SC
2 United States Census Bureau, Census 2000 Demographic Fact Sheet, Greenville, SC
3 United States Census Bureau, GCT-PH1. Population, Housing Units, Area, and Density

Prepared By/Date: ZJD 11/06/15
Checked By/Date: LLM 03/03/16

TABLE 4.1

Summary of Surface Water Laboratory Analytical Results
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Constituents	Laboratory Method	Units	SC WQC	SW-09-03 11/5/14	SW-09-04 11/5/14	SW-09-05 11/5/14	SW-09-06 11/5/14	SW-09-07 11/5/14	SW-09-08 11/5/14	SW-09-10 11/5/14	SW-09-12 11/5/14	SW-09-13 11/5/14
Tetrachloroethene	8260	µg/L	0.69	<0.39	**58**	**41**	**20**	**13**	**3.6**	<0.39	**4.4**	<0.39

Notes:
µg/L = micrograms per liter
SC WQC = Water Quality Criteria, South Carolina Regualtion 61-68, effective 6/27/2014
Bold values indicate detections above the Reporting Limit
Yellow shaded values exceed SC WQC

Prepared By/Date: LLM 02/05/2015
Checked By/Date: ZJD 08/14/2015

TABLE 4.2

Summary of Stream Sediment Laboratory Analytical Results
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Constituents	Units	USEPA RRSL	USEPA SSL	SD-09-01 11/4/14	SD-09-02 11/4/14	SD-09-03 11/4/14	SD-09-04 11/4/14	SD-09-05 11/4/14	SD-09-06 11/4/14	SD-09-07 11/4/14	SD-09-08 11/4/14	SD-09-09 11/4/14
Methylene chloride	µg/kg	57,000	2.9	*4.5J*	*2.0J*	<0.48UJ	*6.1J*	*3.2J*	*2.0J*	*5.2J*	*7.3J*	<0.48
Tetrachloroethene	µg/kg	24,000	5.1	<0.27	<0.32	<0.33	**9.9**	**23**	**5.6**	*2.6J*	<0.33	<0.33

Notes:
µg/kg = micrograms per kilogram
USEPA = United States Environmental Protection Agency
RRSL = USEPA Residential Regional Screening Level (November 2015) - Hazard Quotient of 1
SSL = Risk-Based Soil Screening Level (November 2015) - Hazard Quotient of 1
Bold values indicate detections above the Reporting Limit
Italic values are estimated between the Minimum Detection Limit and Reporting Limit ("J" Flag)
J = Value is estimated
U = not detected, value is the detection limit
Light green shaded values indicate exceedance of SSL

Prepared By/Date: LLM 10/15/15
Checked By/Date: ZJD 08/13/15

TABLE 4.3

Summary of Surface Soil Laboratory Analytical Results
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Constituents	Units	USEPA RRSL	USEPA SSL	Sample Identification							
				SS-07-01X000XX	SS-07-02X000XX	SS-07-03X000XX	SS-07-04X000XX	SS-07-05X000XX	SS-07-06X000XX	SS-07-07X000XX	SS-07-08X000XX
Sample Date				11/4/2014	11/4/2014	11/4/2014	11/20/2015	11/20/2015	11/20/2015	11/20/2015	11/20/2015
Phenanthrene	µg/kg	NE	NE	<350	<410	<420	<390	<570	<400	*110J*	<400
Fluoranthene	µg/kg	2,400,000	89,000	*47J*	<410	<420	*110J*	*73J*	<400	*300J*	*96J*
Pyrene	µg/kg	1,800,000	13,000	<350	<410	<420	*86J*	*60J*	<400	*240J*	*75J*
Benzo(a)anthracene	µg/kg	160	4.2	<350	<410	<420	*43J*	<570	<400	*170J*	*41J*
Chrysene	µg/kg	16,000	1,200	<350	<410	<420	*73J*	<570	<400	*220J*	*59J*
Benzo(b)fluoranthene	µg/kg	160	41	*40J*	<410	<420	*120J*	*91J*	<400	**440**	*100J*
Benzo(k)fluoranthene	µg/kg	1,600	400	<350	<410	<420	<390	<570	<400	*100J*	<400
Benzo(a)pyrene	µg/kg	16	4	<350	<410	<420	*48J*	<570	<400	*160J*	*53J*
Benzo(g,h,i)perylene	µg/kg	NE	NE	<350	<410	<420	*69J*	<570	<400	*130J*	*51J*
Indeno(1,2,3-cd)pyrene	µg/kg	160	130	<350	<410	<420	*52J*	<570	<400	*110J*	*41J*

Notes:
µg/kg = micrograms per kilogram
USEPA = United States Environmental Protection Agency
RRSL = Regional Screening Level for Residential Soil (November 2015) - Hazard Quotient of 1
SSL = Risk-Based Soil Screening Level (November 2015) - Hazard Quotient of 1
NE = not established
Bold values detected above the Reporting Limit
Italic values are estimated between the Minimum Detection Limit and Reporting Limit ("J" Flag)
Yellow shaded values indicate an exceedance of the USEPA RSL and SSL
Light green shaded values indicate an exceedance of the USEPA SSL
J = Value is estimated

Prepared By/Date: PSJ 12/29/15
Checked By/Date: LWC 03/03/16

TABLE 4.4

Summary of Soil Boring Laboratory Analytical Results
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Constituents	Units	USEPA RRSL	USEPA SSL	SB-04-01X002XX 11/3/14	SB-04-02X002XX 11/3/14	SB-04-03X002XX 11/3/14	SB-06-01X001XX 11/3/14	SB-06-01X002XX 11/3/14	SB-06-02X001XX 11/3/14	SB-06-02X002XX 11/3/14	SB-08-01X008XX 11/3/14	SB-08-01X010XX 11/3/14	SB-08-02X008XX 11/3/14	SB-08-02X010XX 11/3/14	SB-08-03X008XX 11/3/14	SB-08-03X010XX 11/3/14	SB-08-04X008XX 11/3/14	SB-08-04X010XX 11/3/14
Acetone	mg/kg	61,000	2.9	<0.0092	<0.010	<0.010	<0.016	<0.010	<0.017	<0.012	<0.010	<0.012	<0.0098	<0.013	<0.012	<0.0098	<0.017	<0.014
Bis (2-ethylhexyl)phthalate	mg/kg	39	1.3	<0.037	<0.037	<0.036	<0.046	<0.035	<0.031	*0.18J*	<0.038	<0.039	<0.0042	<0.041	<0.034	<0.036	<0.041	<0.045
Di-n-butyl phthalate	mg/kg	6,300	2.3	<0.042	<0.042	<0.041	<0.051	<0.410U	<0.035	<0.400U	<0.043	<0.044	<0.047	<0.046	<0.390U	<0.040	<0.047	<0.050
Diethyl phthalate	mg/kg	51,000	6.1	<0.044	<0.044	<0.043	<0.054	<0.041	<0.037	*0.33J*	<0.046	<0.046	<0.049	<0.048	<0.039	<0.042	<0.049	<0.053
Methylene Chloride	mg/kg	57	0.0029	*0.0089J*	*0.0095J*	*0.011J*	*0.019J*	*0.0058J*	*0.022J*	*0.0080J*	*0.014J*	*0.014J*	*0.011J*	*0.017J*	*0.018J*	*0.0091J*	*0.020J*	*0.0084J*
Tetrachloroethene	mg/kg	24	0.0051	<0.0003	<0.00033	<0.00033	<0.00053	<0.00034	<0.00054	<0.00038	<0.00033	<0.0004	<0.00032	<0.00042	<0.0004	<0.00032	<0.00055	<0.00048

Constituents	Units	USEPA RRSL	USEPA SSL	SB-08-05X008XX* 11/3/14	SB-08-05X010XX 11/3/14	SB-08-06X008XX 11/3/14	SB-08-06X010XX 11/3/14	SB-08-07X008XX 11/3/14	SB-08-07X010XX 11/3/14	SB-08-08X008XX 11/3/14	SB-08-08X010XX 11/3/14	SB-09-01X000XX 7/7/2015	SB-09-01X005XX 7/7/2015	SB-09-01X010XX 7/7/2015	SB-09-01X015XX 7/7/2015	SB-09-02X000XX 7/7/2015	SB-09-02X005XX 7/7/2015	SB-09-02X010XX 7/7/2015
Acetone	mg/kg	61,000	2.9	*0.024J*	<0.0091	<0.012	<0.012	<0.012	<0.014	<0.016	<0.012	<0.0082	<0.0073	<0.0054	<0.006	<0.0051	< 0.007	<0.0063
Bis(2-ethylhexyl)phthalate	mg/kg	39	1.3	<0.033	<0.036	<0.040	<0.040	<0.042	<0.045	<0.039	<0.036	<0.097	<0.080	<0.093	<0.099	<0.083	<0.091	<0.088
Di-n-butyl phthalate	mg/kg	6,300	2.3	<0.037	<0.041	<0.046	<0.045	<0.047	<0.051	<0.044	<0.040	<0.110	<0.095	<0.110	<0.120	<0.098	<0.110	<0.100
Diethyl phthalate	mg/kg	51,000	6.1	<0.039	*0.048J*	<0.048	<0.048	<0.050	<0.053	<0.046	*0.061J*	<0.100	<0.084	<0.097	<0.100	<0.087	<0.095	<0.092
Methylene Chloride	mg/kg	57	0.0029	*0.0066J*	*0.011J*	*0.011J*	*0.013J*	*0.016J*	*0.012J*	*0.019J*	*0.0094J*	**0.029**	*0.016J*	**0.017**	**0.019**	**0.016**	**0.025**	**0.027**
Tetrachloroethene	mg/kg	24	0.0051	<0.00027	<0.0003	<0.0004	<0.00039	<0.0004	<0.00045	<0.00052	<0.00038	**0.08**	**0.0051**	*0.0029J*	**0.11**	**0.017**	**0.011**	**0.11**

Notes:
mg/kg = milligrams per kilogram
USEPA = United States Environmental Protection Agency
RRSL = Residential Regional Screening Level (November 2015) - Hazard Quotient of 1
SSL = Risk-Based Soil Screening Level (November 2015) - Hazard Quotient of 1
Bold values indicate detections above the Reporting Limit
Italic values are estimated between the Minimum Detection Limit and Reporting Limit ("J" Flag)
Light green shaded values indicate exceedance of USEPA SSL
* = Sample was mislabeled as SB-08-03X008XX 1:30 PM on laboratory chain of custody
J = Value is estimated
U = not detected, value is the detection limit

Prepared By/Date: LLM 10/15/15
Checked By/Date: ZJD 08/14/15

TABLE 4.4

Summary of Soil Laboratory Analytical Results
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Constituents	Units	USEPA RRSL	USEPA SSL	SB-09-02X015XX 7/7/2015	SB-09-02X020XX 7/7/2015	SB-09-03X000XX 7/7/2015	SB-09-03X005XX 7/7/2015	SB-09-03X010XX 7/7/2015	SB-09-03X015XX 7/7/2015	SB-09-04X000XX 7/7/2015	SB-09-04X005XX 7/7/2015	SB-09-04X010XX 7/7/2015	SB-09-04X015XX 7/7/2015	SB-09-04X020XX 7/7/2015	SB-09-05X000XX 7/7/2015	SB-09-05X005XX 7/7/2015	SB-09-05X010XX 7/7/2015	SB-09-05X015XX 7/7/2015
Acetone	mg/kg	61,000	2.9	<0.0069	<0.0052	<0.0062	<0.0064	<0.0062	<0.0049	<0.0048	<0.0053	<0.0061	<0.0056	<0.0067	<0.0064	<0.0064	<0.0064	<0.0050
Bis(2-ethylhexyl)phthalate	mg/kg	39	1.3	<0.098	<0.086	<0.096	<0.080	<0.088	<0.085	<0.081	<0.082	<0.087	<0.086	<0.086	<0.095	<0.087	<0.086	<0.079
Di-n-butyl phthalate	mg/kg	6,300	2.3	<0.120	<0.100	<0.110	<0.095	<0.100	<0.100	<0.095	<0.097	<0.100	<0.100	<0.100	<0.110	<0.100	<0.100	<0.094
Diethyl phthalate	mg/kg	51,000	6.1	<0.100	<0.090	<0.100	<0.084	<0.092	<0.090	<0.084	<0.086	<0.091	<0.090	<0.090	<0.100	<0.091	<0.090	<0.083
Methylene Chloride	mg/kg	57	0.0029	**0.021**	**0.023**	**0.017**	**0.04**	**0.022**	**0.015**	**0.017**	**0.016**	**0.017**	**0.016**	*0.011J*	**0.02**	**0.029**	**0.028**	**0.02**
Tetrachloroethene	mg/kg	24	0.0051	**0.091**	**0.230**	**0.070**	<0.0007	**0.021**	**0.210**	**0.014**	**0.0056**	<0.00066	**0.130**	**0.120**	**0.21**	**0.013**	**0.0078**	**0.014**

Constituents	Units	USEPA RRSL	USEPA SSL	SB-09-06X000XX 7/7/2015	SB-09-06X005XX 7/7/2015	SB-09-06X010XX 7/7/2015	SB-09-06X015XX 7/7/2015	SB-09-06X020XX 7/7/2015
Acetone	mg/kg	61,000	2.9	<0.0067	<0.0066	<0.0061	<0.0064	<0.0059
Bis(2-ethylhexyl)phthalate	mg/kg	39	1.3	<0.091	<0.085	<0.085	<0.100	<0.082
Di-n-butyl phthalate	mg/kg	1.7	2.3	<0.110	<0.100	<0.100	<0.120	<0.097
Diethyl phthalate	mg/kg	6,300	6.1	<0.095	<0.089	<0.089	<0.110	<0.086
Methylene Chloride	mg/kg	57	0.0029	<0.0024	**0.0190**	**0.0410**	**0.029**	**0.034**
Tetrachloroethene	mg/kg	24	0.0051	**0.025**	**0.0063**	**0.0062**	**0.044**	**0.074**

Notes:
mg/kg = milligrams per kilogram
USEPA = United States Environmental Protection Agency
RRSL = Residential Regional Screening Level (November 2015) - Hazard Quotient of 1
SSL = Risk-Based Soil Screening Level (November 2015) - Hazard Quotient of 1
Bold values indicate detections above the Reporting Limit
Italic values are estimated between the Minimum Detection Limit and Reporting Limit ("J" Flag)
Light green shaded values indicate exceedance of USEPA SSL
J = Value is estimated
U = not detected, value is the detection limit

Prepared By/Date: LLM 10/15/15
Checked By/Date: ZJD 08/14/15

TABLE 4.5

Summary of Pore Water Laboratory Analytical Results
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Constituents	Laboratory Method	Units	SCDHEC MCL	PW-09-01 11/5/14	PW-09-03 11/5/14	PW-09-08 11/5/14	PW-09-09 11/5/14	PW-09-10 11/5/14	PW-09-12 11/5/14	PW-09-14 11/5/14
cis-1,2-Dichloroethene	8260	µg/L	70	<0.38	<0.38	<0.38	**5.8**	**3.0**	<0.38	<0.38
Tetrachloroethene	8260	µg/L	5	<0.39	**3.2**	<0.39	<0.39	<0.39	<0.39	<0.39
Toluene	8260	µg/L	1000	<0.38	<0.38	**4.9**	**6.5**	<0.38	<0.38	<0.38
Trichloroethene	8260	µg/L	5	<0.43	<0.43	<0.43	<0.43	**2.6**	<0.43	<0.43

Notes:
µg/L = micrograms per liter
SCDHEC = South Carolina Department of Health and Environmental Control
MCL = Maximum Contaminant Level (State Primary Drinking Water Regulations:R.61-58, October 2014)
Bold values indicate detections above the Reporting Limit

Prepared By/Date: LLM 02/05/15
Checked By/Date: ZJD 08/13/15

TABLE 4.6

Summary of Groundwater Laboratory Analytical Results
Former Robert Bosch Tool Corporation Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

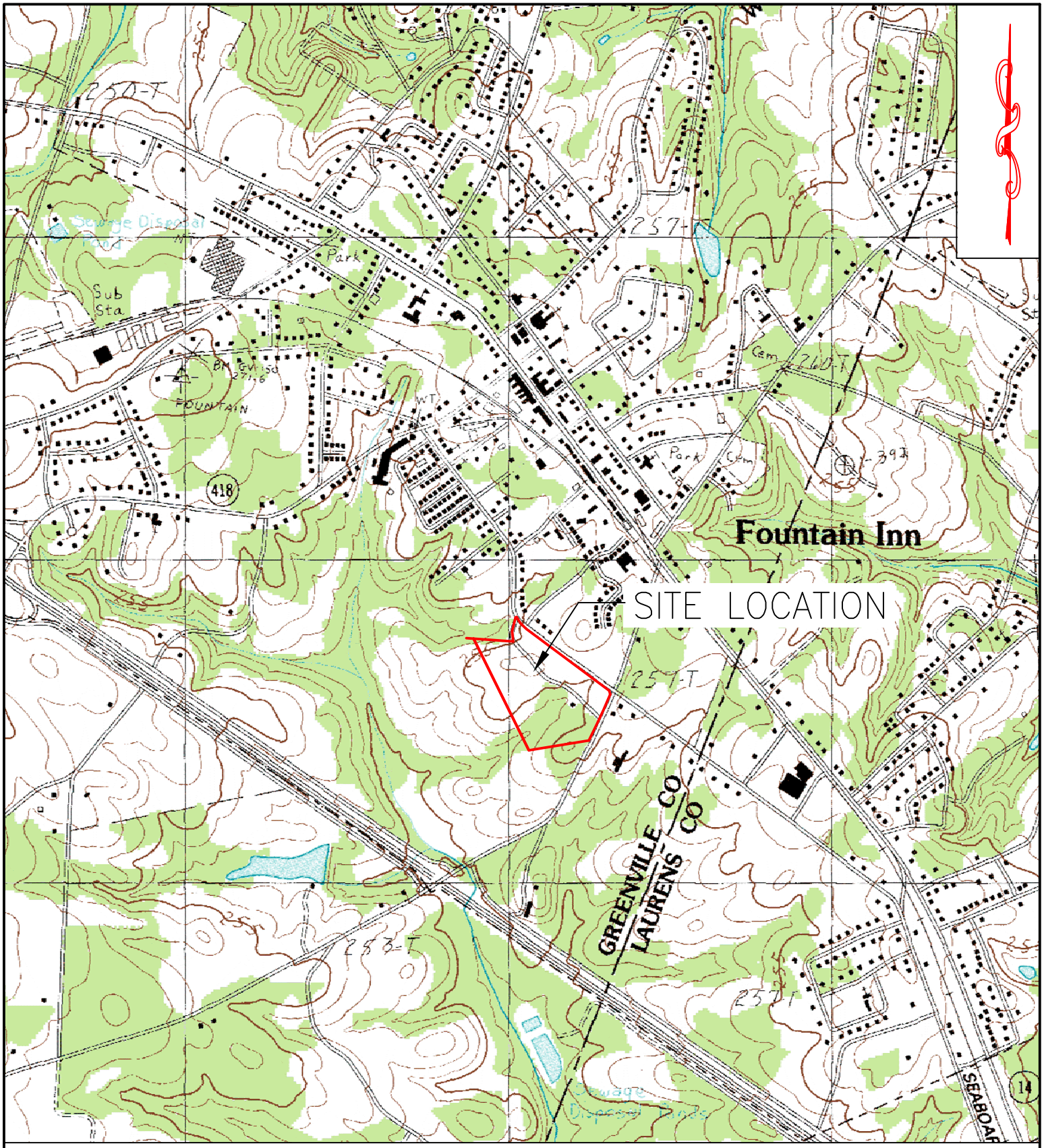
Constituents	Laboratory Method	Units	SCDHEC MCL	USEPA TWRSL	MW-08-01 1/27/15	MW-08-2D 1/27/15	MW-08-03 1/27/15	MW-08-04 1/27/15	MW-08-05 1/29/15	MW-09-06 1/28/15	MW-09-07 7/17/15	MW-09-08D 7/17/15	MW-09-09 1/28/15	MW-09-10 1/28/15	MW-09-11 1/28/15	MW-09-12D 1/28/15	MW-09-13 1/28/15
Acetone	8260	µg/L	NE	14,000	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
Carbon disulfide	8260	µg/L	NE	810	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
Chlorobenzene	8260	µg/L	100		*0.96J*	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroform	8260	µg/L	80		<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	*0.86J*
Diethyl phthalate	8270	µg/L	NE	15,000	*4.2J*	<1.6	<1.6	<1.6	<1.6	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	8260	µg/L	NE	NE	**1.3**	<0.33	*0.39J*	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Methylene Chloride	8260	µg/L	5		<0.23	<0.23	<0.23	<0.23	<5.0U	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<5.0U
Tetrachloroethene	8260	µg/L	5		<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	**1100**	<0.42	**7.4**	<0.42	**54**	<0.42	<0.42
Diesel Range Organics	8015C	mg/L	NE	NE	*0.15J*	<0.15	**0.21**	**0.30**	<0.15	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	6010C	µg/L	10		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	6010C	µg/L	2,000		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	6010C	µg/L	100		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	7470A	µg/L	2		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Constituents	Laboratory Method	Units	SCDHEC MCL	USEPA TWRSL	MW-09-14 1/28/15	MW-09-15 1/25/15	MW-09-16D 1/28/15	MW-09-17 1/28/15	MW-09-18D 1/28/15	MW-09-19D 1/28/15	MW-09-25 7/17/15	MW-03-20 1/27/15	MW-03-21 1/27/15	MW-04-22 1/28/15	MW-04-23 1/28/15	MW-02-24 1/28/15
Acetone	8260	µg/L	NE	14,000	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	NA	NA	NA	<5.7
Carbon disulfide	8260	µg/L	NE	810	<0.60	<0.60	<0.60	<0.60	<0.60	*3.4J*	<0.60	<0.60	NA	NA	NA	<0.60
Chlorobenzene	8260	µg/L	100		<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	NA	NA	NA	<0.39
Chloroform	8260	µg/L	80		<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	NA	NA	NA	<0.38
Diethyl phthalate	8270	µg/L	NE	15,000	NA	NA	NA	NA	NA	NA	NA	<1.6	NA	NA	NA	NA
Isopropylbenzene	8260	µg/L	NE	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA	NA	<0.33
Methylene Chloride	8260	µg/L	5		<0.23	<0.23	<5.0U	<5.0U	<0.23	<0.23	<0.23	<0.23	NA	NA	NA	<0.23
Tetrachloroethene	8260	µg/L	5		<0.42	**67**	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	NA	NA	NA	<0.42
Diesel Range Organics	8015C	mg/L	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	6010C	µg/L	10		NA	NA	NA	NA	NA	NA	NA	<3.1	<3.1	<3.1	*11.4J*	<3.1
Barium	6010C	µg/L	2,000		NA	NA	NA	NA	NA	NA	NA	*10.3J*	**24.1**	**76.4**	**64.6**	**242**
Chromium	6010C	µg/L	100		NA	NA	NA	NA	NA	NA	NA	*2.3J*	<10U	<10U	*1.1J*	<10U
Mercury	7470A	µg/L	2		NA	NA	NA	NA	NA	NA	NA	<0.04	<0.04	<0.04	*0.16J*	<0.04

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
SCDHEC = South Carolina Department of Health and Environmental Control
MCL = Maximum Contaminant Level (State Primary Drinking Water Regulations: R.61-58, October 2014)
USEPA = United States Environmental Protection Agency
TWRSL = USEPA Tap Water Regional Screening Level (June 2015)
NE = Not established
NA = Not applicable (not sampled for this constituent)
Bold values indicate detections above the Reporting Limit
Italic values are estimated between the Minimum Detection Limit and Reporting Limit ("J" Flag)
Yellow shaded values exceed MCL
J = Value is estimated
U = not detected, value is the detection limit

Prepared By/Date: LLM 08/13/15
Checked By/Date: ZJD 08/14/15

FIGURES



REFERENCE:
2001 DELORME STREET ATLAS USA

0.25 0.125 0 0.25 0.5

APPROXIMATE SCALE IN MILES

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SITE LOCATION MAP
RBTC FOUNTAIN INN DIVISION
FOUNTAIN INN, SOUTH CAROLINA

FIGURE 1.1

FILE:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:	JOB NO:
FIGURE 1.DWG	CHB	PSJ	PSJ	5/14/12	6251121007.01.01

LEGEND

AREA OF CONCERN (AOC # 1)

200 100 0 200 400

SCALE 1" = 200'

DRAWN	CHB	DATE	5/14/12
CHECKED	GWW	FILE	FIGURE 14.DWG
APPROVED	PSJ	JOB NO:	6251121007.01.01

REVISIONS		
No.	DESCRIPTION	BY

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AREAS OF CONCERN
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE
1.2

RBTC FOUNTAIN INN DIVISION

FORMER METALS BAGHOUSE (AOC #3)

HEAT TREAT CLEANING WATER DISPOSAL AREA (AOC #2)

FORMER EMPTY DRUM STORAGE PAD (AOC #5)

FORMER SCRAP METAL ROLLOFF (AOC #4)

FORMER HAZARDOUS WASTE ACCUMULATION BUILDING (AOC #9)

FORMER OIL/WATER SEPARATOR (AOC #8)

TANK CONTAINMENT AND UNDERGROUND PIPING AREA (AOC #1)

COMPOUNDING ROOM BLOWER EXHAUST (AOC #6)

STORMWATER OUTFALLS (AOC#7)

FORMER SHERWIN WILLIAMS PROPERTIES

MAG-MATE

REFERENCES:

1. BOUNDARY AND AS-BUILT SURVEY FOR VERMONT AMERICAN CORPORATION, FOUNTAIN INN DIVISION, 8/24/01, PREPARED BY CAROLINA SURVEYING & MAPPING, AND MACTEC ENGINEERING & CONSULTING, INC. FIELD NOTES.
2. SAMPLE LOCATION MAP, SHERMAN WILLIAMS GRAPHIC ARTS DIVISION, FOUNTAIN INN, SOUTH CAROLINA, DRAWING NUMBER 63102-F2, SHEET 1, REVISION A, 2/25/02, PREPARED BY THE FLETCHER GROUP.

LEGEND

MW-1	APPROXIMATE PERMANENT MONITORING WELL LOCATION
TW-3	APPROXIMATE TEMPORARY MONITORING WELL LOCATION
TW-5	APPROXIMATE TEMPORARY MONITORING WELL LOCATION (INSTALLED BY OTHERS)
OWS-1	APPROXIMATE LOCATION OF SURFACE AND/OR SUBSURFACE SOIL SAMPLE
B-3	APPROXIMATE SOIL BORING LOCATION
GP-22	APPROXIMATE GEOPROBE SOIL OR GROUND-WATER SAMPLE LOCATION
GP-14D	APPROXIMATE DEEP GEOPROBE SOIL OR GROUND-WATER SAMPLE LOCATION
SS-13	APPROXIMATE SURFACE SOIL SAMPLE LOCATION
HA-4	APPROXIMATE HAND AUGER BORING LOCATION
SW-06	APPROXIMATE SURFACE WATER SAMPLE LOCATION

50 25 0 50 100
SCALE 1" = 50'

DRAWN	CHB	DATE	5/8/12
CHECKED	GWW	FILE	FIGURE 7.DWG
APPROVED	PSJ	JOB NO:	6251121007.01.01

REVISIONS

No.	DESCRIPTION

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PREVIOUS SOIL SAMPLING AND GROUND-WATER SAMPLING MAP
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE 2.1

FORMER SHERWIN WILLIAMS PROPERTIES

SD-09-01
SW-09-01
SW-09-10
SW-09-02
SD-09-02
SW-09-03
SD-09-03
SD-09-04
SW-09-04
SD-09-05
SW-09-05
SW-09-06
SD-09-06
SW-09-11
SW-09-07
SD-09-07
SD-09-09
SW-09-09
SW-09-13
SD-09-08
SW-09-08
SW-09-12

REFERENCES:

1. BOUNDARY AND AS-BUILT SURVEY FOR VERMONT AMERICAN CORPORATION, FOUNTAIN INN DIVISION, 8/24/01, PREPARED BY CAROLINA SURVEYING & MAPPING, AND MACTEC ENGINEERING & CONSULTING, INC. FIELD NOTES.
2. SAMPLE LOCATION MAP, SHERMAN WILLIAMS GRAPHIC ARTS DIVISION, FOUNTAIN INN, SOUTH CAROLINA, DRAWING NUMBER 63102-F2, SHEET 1, REVISION A, 2/25/02, PREPARED BY THE FLETCHER GROUP.

LEGEND

SW-09-01 — SURFACE WATER SAMPLE LOCATION

SD-09-01 — STREAM SEDIMENT SAMPLING LOCATION

APPROXIMATE STREAM BED LOCATION

75 0 75 150

SCALE 1" = 150'

DRAWN	ZJD	DATE	10/29/15
CHECKED	CHB	FILE	FIGURE X.DWG
APPROVED	PSJ	JOB NO:	6251121007.03.01

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No.	DESCRIPTION	BY

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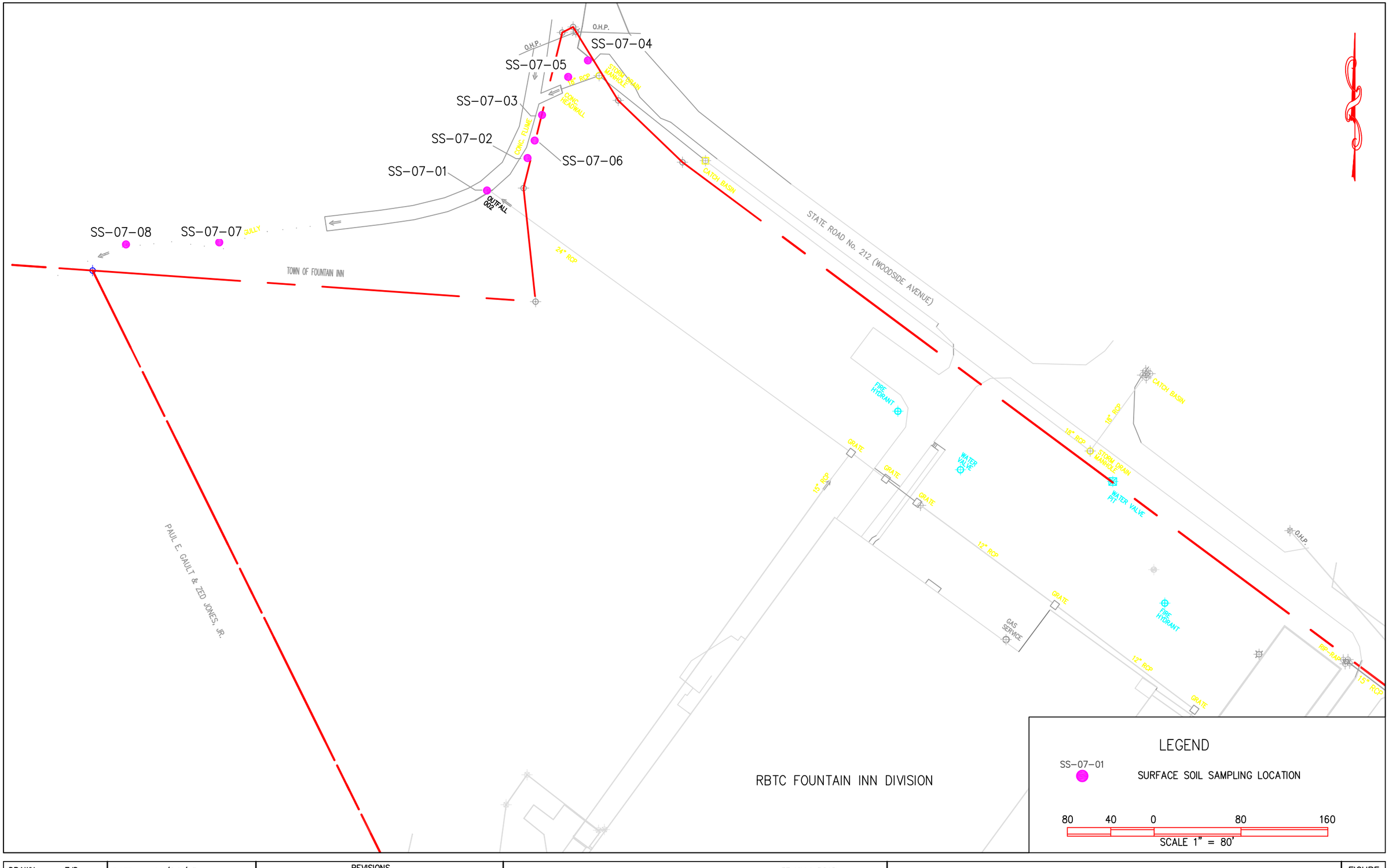
SURFACE WATER AND SEDIMENT SAMPLE LOCATION MAP
AUGUST 2015
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE
2.2



DRAWN	ZJD	DATE	11/24/15	REVISIONS			
CHECKED	LLM	FILE	FIGURE X.DWG	No.	DESCRIPTION	BY	
APPROVED	PSJ	JOB NO:	6251121007.03.01				

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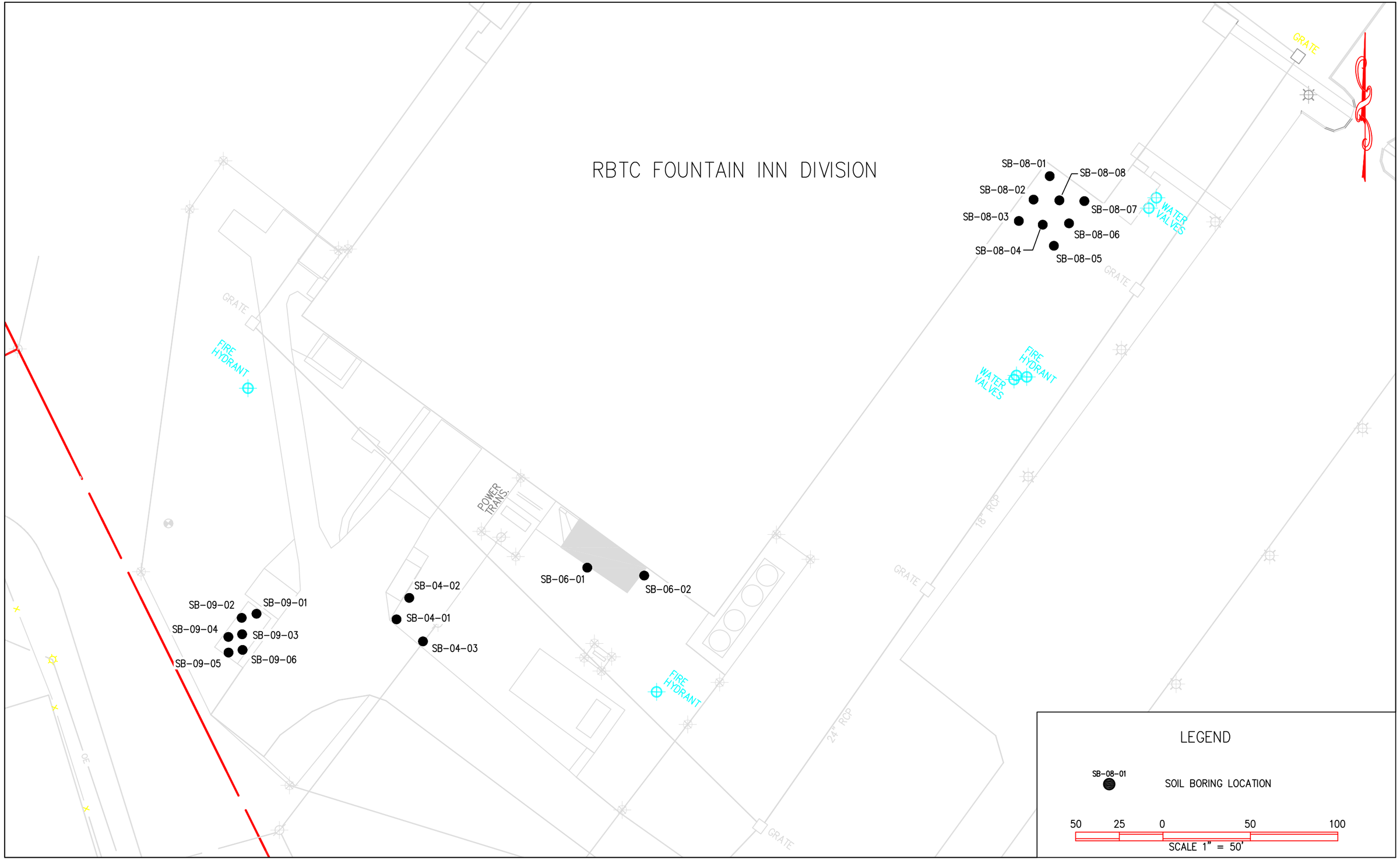
SURFACE SOIL SAMPLING LOCATION MAP
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE
2.3

RBTC FOUNTAIN INN DIVISION



DRAWN	ZJD	DATE	10/30/15	REVISIONS	
CHECKED	CHB	FILE	FIGURE 2.2.DWG	No. / DESCRIPTION / BY	
APPROVED	PSJ	JOB NO:	6251121007.03.01		

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SOIL BORING LOCATION MAP
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE
2.4

FORMER SHERWIN WILLIAMS PROPERTIES

PW-09-01
PW-09-02
PW-09-03
PW-09-04
PW-09-05
PW-09-06
PW-09-07
PW-09-08
PW-09-09
PW-09-10
PW-09-11
PW-09-12
PW-09-13
PW-09-14

OVERHEAD POWER
GRAVEL
ASPHALT
CONC
15" RCP
24" RCP
36"RCP
DITCH
GATE
SIGN
PHONE
ELEC BOX
HYDRANT

LEGEND

PW-09-07 PORE WATER SAMPLING LOCATION

APPROXIMATE STREAM BED LOCATION

80 40 0 80 160

SCALE 1" = 80'

DRAWN	ZJD	DATE	10/29/15	REVISIONS	
CHECKED	CHB	FILE	FIGURE 2.5.DWG	No. / DESCRIPTION / BY	
APPROVED	PSJ	JOB NO:	6251121007.03.01		

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PORE WATER SAMPLING LOCATION MAP
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE 2.5

RBTC FOUNTAIN INN DIVISION

FORMER SHERWIN WILLIAMS PROPERTIES

MW-03-20
MW-03-21
MW-02-24
MW-08-1
MW-08-2D
MW-08-5
MW-08-3
MW-08-4
MW-09-9
MW-09-8D
MW-09-7
MW-04-22
MW-04-23
MW-09-10
MW-09-19D
MW-09-06
MW-09-11
MW-09-12D
MW-09-14
MW-09-13
MW-09-15
MW-09-16D
MW-09-17
MW-09-18D
MW-09-25

LEGEND

MW-09-14 — MONITORING WELL LOCATION

APPROXIMATE STREAM BED LOCATION

100 50 0 100 200

SCALE 1" = 100'

DRAWN	ZJD	DATE	10/29/15	REVISIONS			
CHECKED	CHB	FILE	FIGURE 2.6.DWG	No.	DESCRIPTION	BY	
APPROVED	PSJ	JOB NO:	6251121007.03.01				

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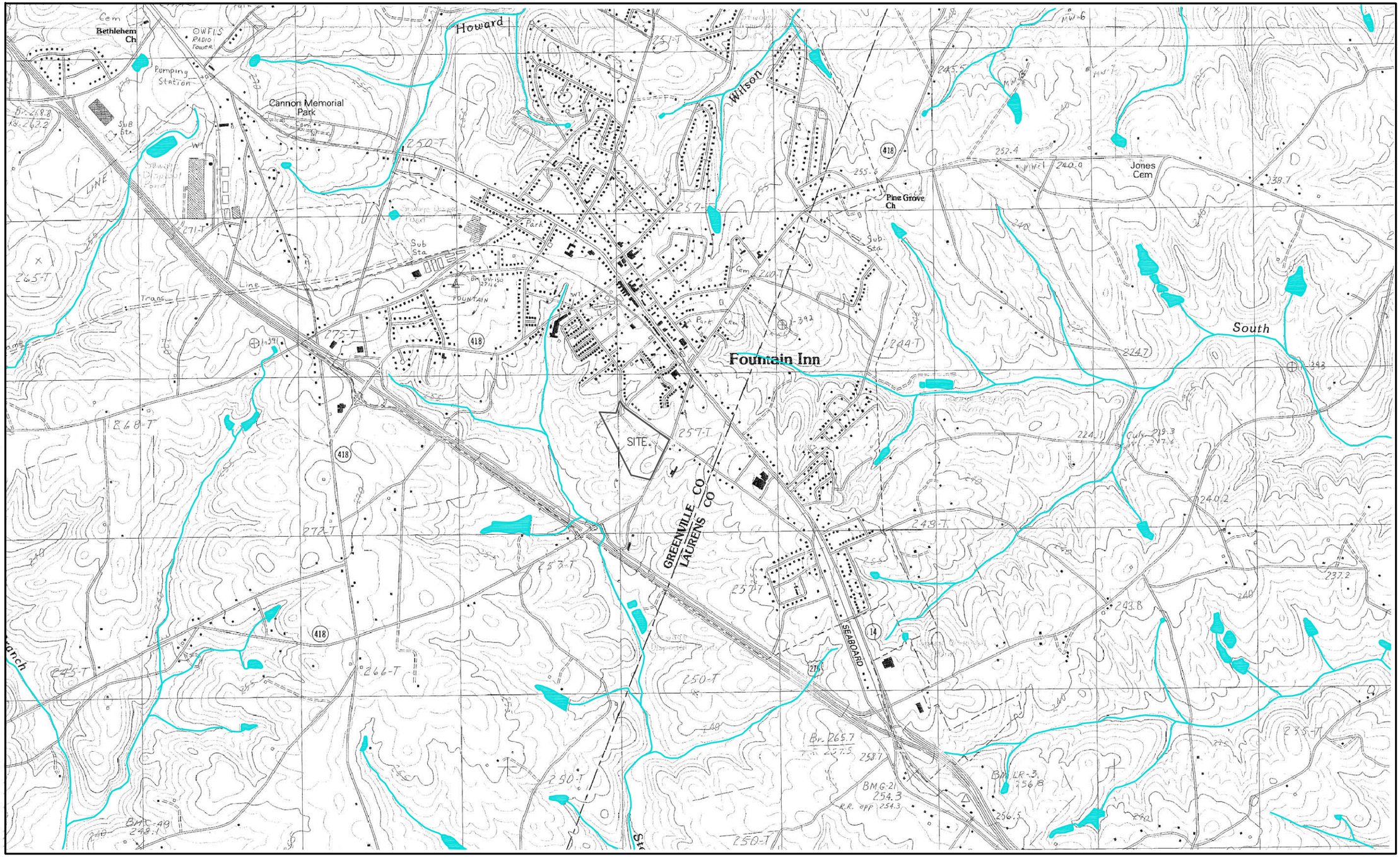
MONITORING WELL LOCATION MAP
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE 2.6



REFERENCE:
USGS 7.5–MINUTE SERIES TOPOGRAPHIC MAP,
FOUNTAIN INN, SC QUADRANGLE, PROV. ED. 1983.

2000 1000 0 2000 4000
APPROXIMATE SCALE IN FEET

DRAWN	CHB	DATE	5/14/12
CHECKED	GWW	FILE	FIGURE 6.DWG
APPROVED	PSJ	JOB NO:	6251121007.01.01

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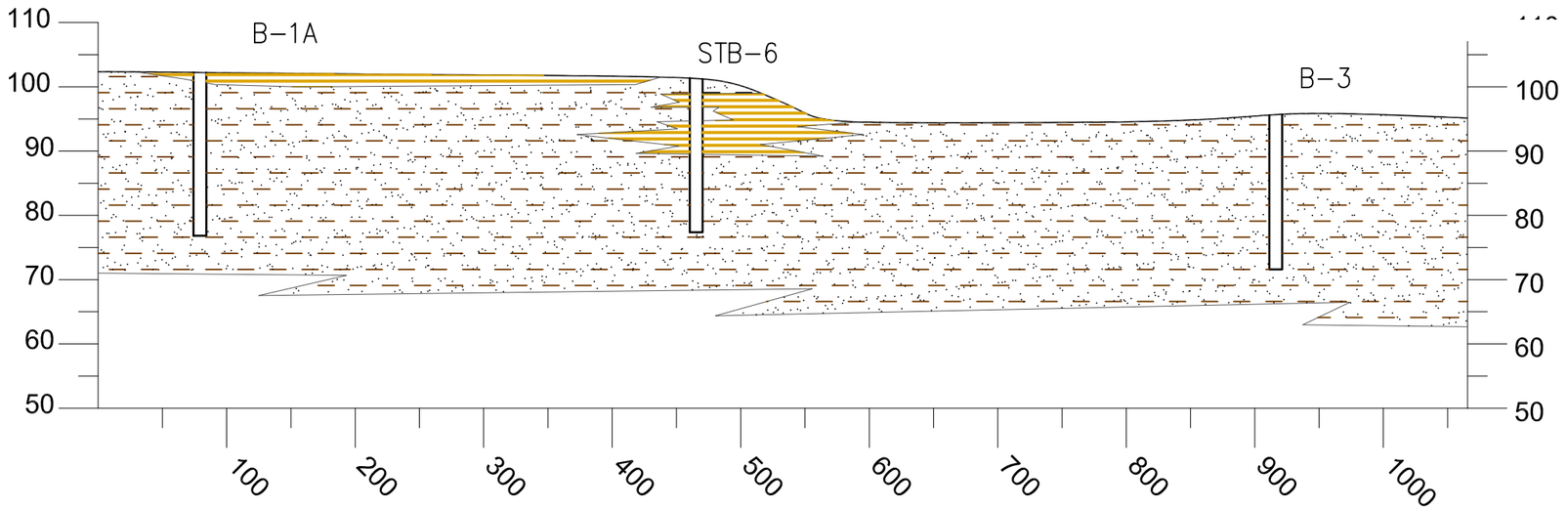
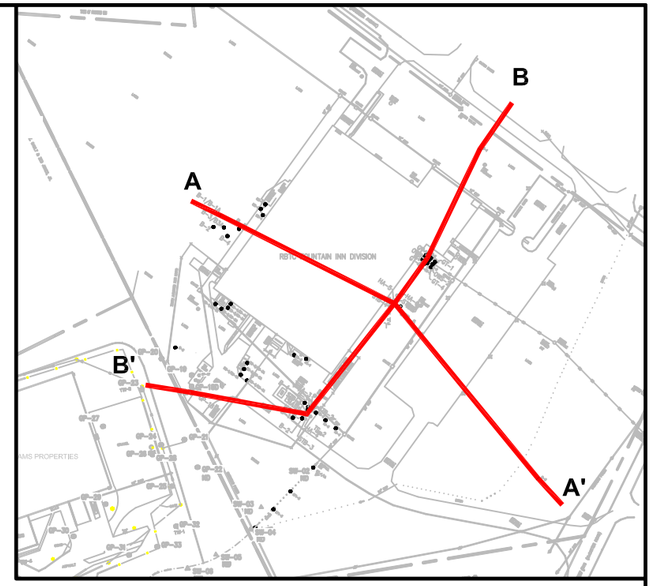
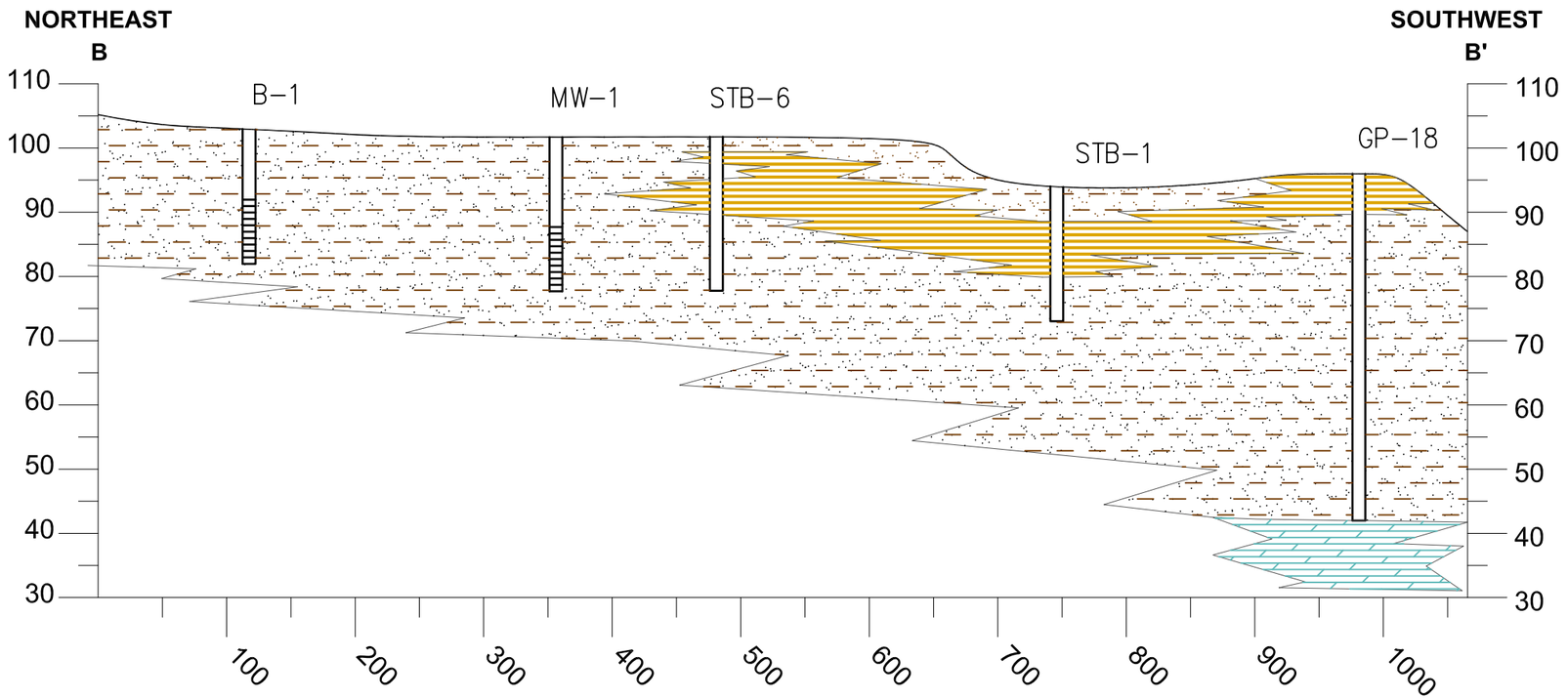
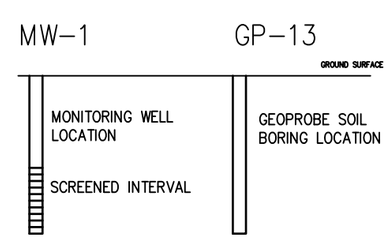
AREA SURFACE WATER MAP
RBTC FOUNTAIN INN DIVISION
FOUNTAIN INN, SOUTH CAROLINA

FIGURE
3.1









CLAY UNIT
(silty clay to a sandy clay)

SAND AND SILT UNIT
(silty sand to a clayey sand)

BEDROCK
(based on Geoprobe Refusal)

NOTE: LITHOLOGIC CONTACTS ARE ESTIMATED AND BASED ON FIELD OBSERVATIONS AND REGIONAL GEOLOGY.

ELEVATIONS BASED ON A BUILDING FINISHED FLOOR ELEVATION OF 102.39.

DRAWN	CHB	DATE	5/14/12
CHECKED	GWW	FILE	FIGURE 3.2.DWG
APPROVED	PSJ	JOB NO:	6251121007.01.01

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No.	DESCRIPTION	BY

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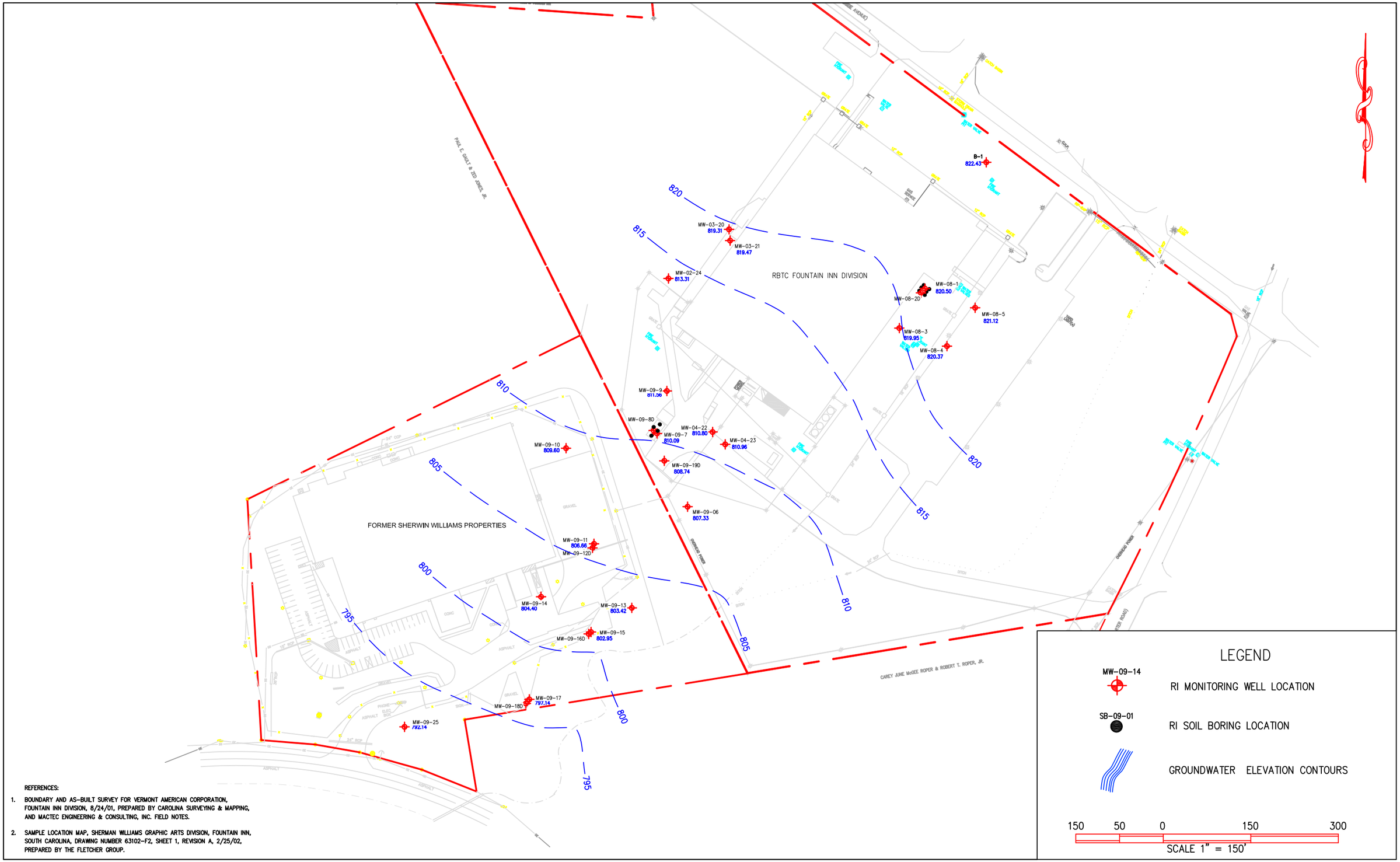
LITHOLOGIC CROSS SECTIONS
A-A' AND B-B'
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE
3.2



REFERENCES:

1. BOUNDARY AND AS-BUILT SURVEY FOR VERMONT AMERICAN CORPORATION, FOUNTAIN INN DIVISION, 8/24/01, PREPARED BY CAROLINA SURVEYING & MAPPING, AND MACTEC ENGINEERING & CONSULTING, INC. FIELD NOTES.
2. SAMPLE LOCATION MAP, SHERMAN WILLIAMS GRAPHIC ARTS DIVISION, FOUNTAIN INN, SOUTH CAROLINA, DRAWING NUMBER 63102-F2, SHEET 1, REVISION A, 2/25/02, PREPARED BY THE FLETCHER GROUP.

LEGEND

MW-09-14 — RI MONITORING WELL LOCATION

SB-09-01 — RI SOIL BORING LOCATION

GROUNDWATER ELEVATION CONTOURS

150 50 0 150 300

SCALE 1" = 150'

DRAWN	ZJD	DATE	8/14/15
CHECKED	PSJ	FILE	FIGURE 3.3.DWG
APPROVED	PSJ	JOB NO:	6251121007.03.01

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No.	DESCRIPTION	BY

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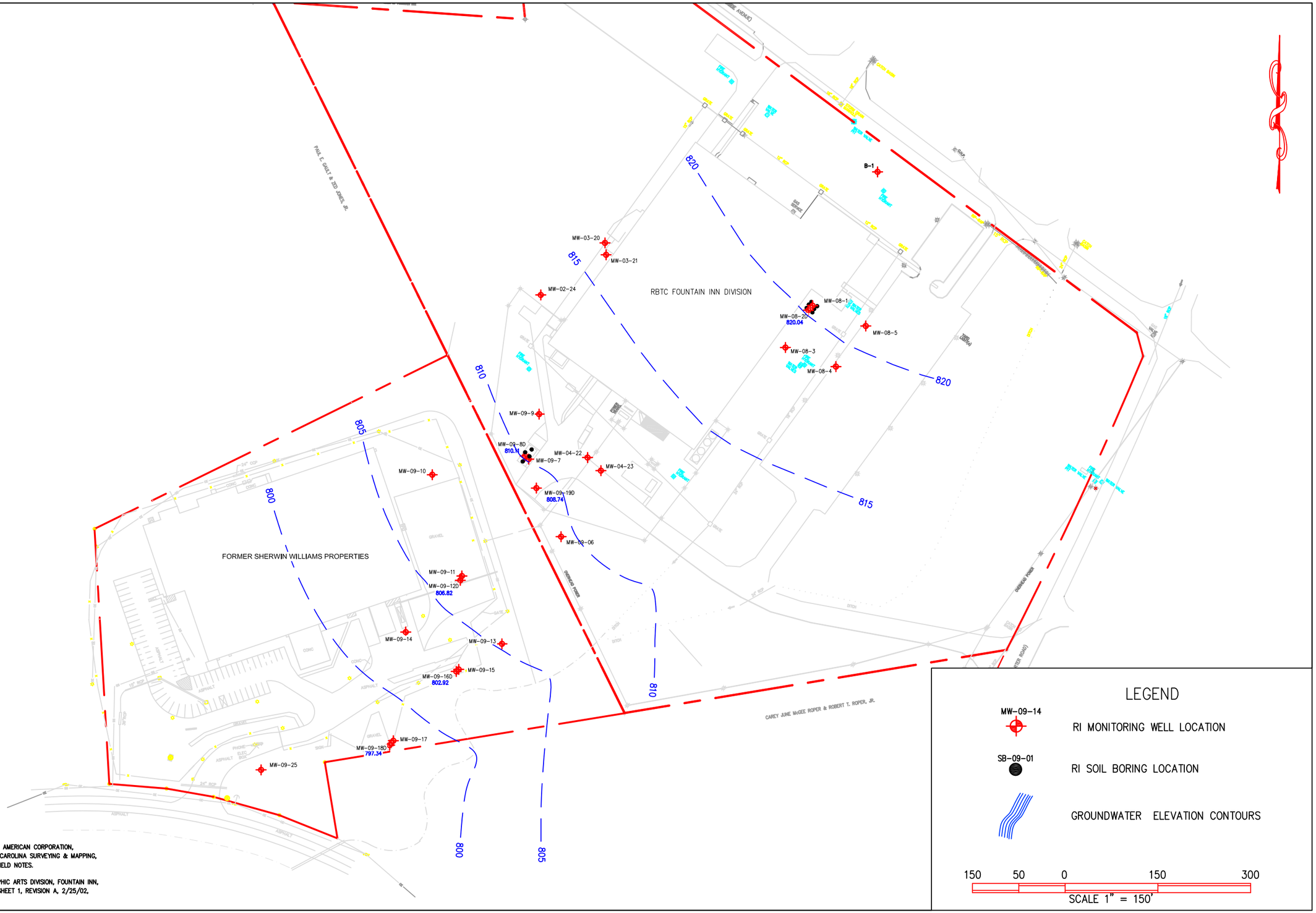
WATER TABLE ELEVATION CONTOUR MAP
AUGUST 13, 2015
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE 3.3



LEGEND

MW-09-14 — RI MONITORING WELL LOCATION

SB-09-01 — RI SOIL BORING LOCATION

GROUNDWATER ELEVATION CONTOURS

REFERENCES:

1. BOUNDARY AND AS-BUILT SURVEY FOR VERMONT AMERICAN CORPORATION, FOUNTAIN INN DIVISION, 8/24/01, PREPARED BY CAROLINA SURVEYING & MAPPING, AND MACTEC ENGINEERING & CONSULTING, INC. FIELD NOTES.
2. SAMPLE LOCATION MAP, SHERMAN WILLIAMS GRAPHIC ARTS DIVISION, FOUNTAIN INN, SOUTH CAROLINA, DRAWING NUMBER 63102-F2, SHEET 1, REVISION A, 2/25/02, PREPARED BY THE FLETCHER GROUP.

DRAWN	PSJ	DATE	03/03/16
CHECKED	CHB	FILE	FIGURE 3.4.DWG
APPROVED	PSJ	JOB NO:	6251121007.03.01

REVISIONS		
No.	DESCRIPTION	BY

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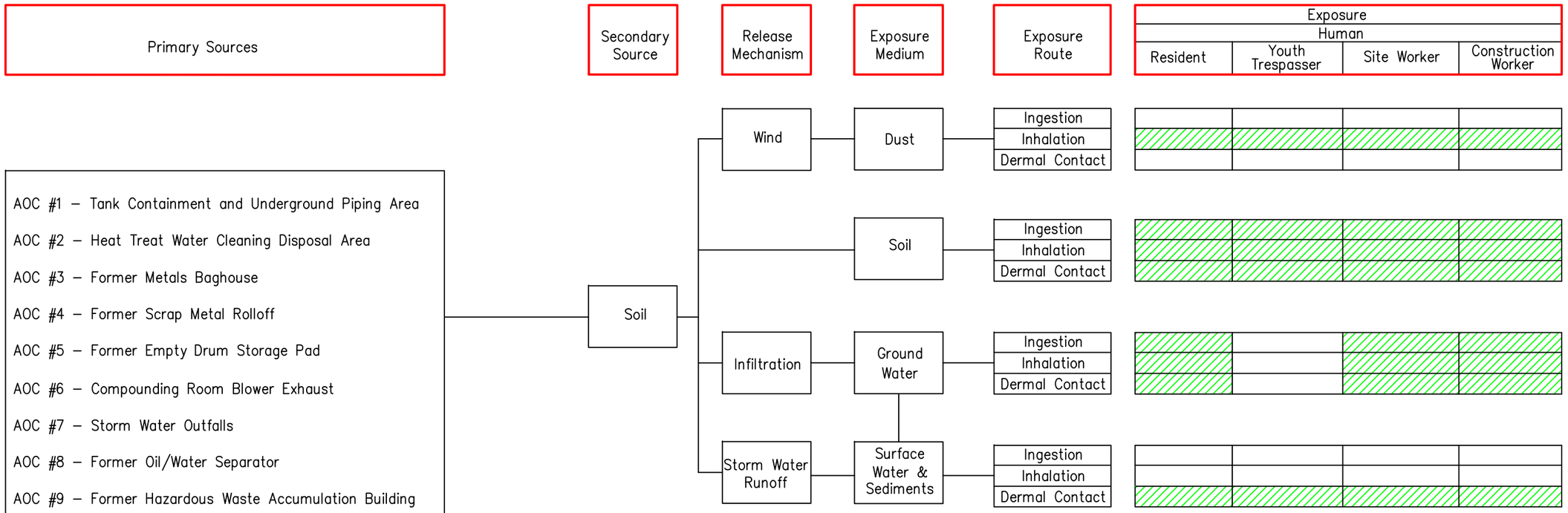
Fax: (864) 552-9699

BEDROCK GROUNDWATER ELEVATION CONTOUR MAP
AUGUST 13, 2015
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE 3.4



NOTE: Shaded area indicates potential human complete exposure pathways that will be retained for further evaluation.

DRAWN	CHB	DATE	3/1/16	REVISIONS			FIGURE
CHECKED	LWC	FILE	FIGURE 4.1.DWG	No.	DESCRIPTION	BY	4.1
APPROVED	PSJ	JOB NO:	6251121007.03.01				

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SITE CONCEPTUAL MODEL
RBTC FORMER FOUNTAIN INN DIVISION
FOUNTAIN INN, SOUTH CAROLINA

FORMER SHERWIN WILLIAMS PROPERTIES

MW-09-9 7.4
MW-09-8D (<0.42)
MW-09-7 1100
MW-09-10 <0.42
MW-09-19D (<0.42)
MW-09-06 <0.42
MW-09-11 54
MW-09-12D (<0.42)
MW-09-14 <0.42
MW-09-13 <0.42
PW-09-06 NA
MW-09-16D (<0.42)
67
MW-09-15
PW-09-08 <0.39
PW-09-04 NA
PW-09-05 NA
PW-09-07 NA
PW-09-03 3.2
PW-09-02 NA
MW-09-17 <0.42
MW-09-18D <0.42
PW-09-01 <0.39
MW-09-25 <0.42
PW-09-09 <0.39
PW-09-14 <0.39
PW-09-11 NA NS
PW-09-13 NA
PW-09-12 <0.39
PW-09-10 <0.39

POWER TRANS.
FIRE HYDRANT
OVERHEAD POWER
GRAVEL
ASPHALT
CONC
DITCH
24" RCP
18" RCP
15" RCP
36"RCP
GRATE
PHONE ELEC BOX
SIGN

LEGEND

MW-09-14 — RI MONITORING WELL LOCATION

PW-09-01 — PORE WATER SAMPLE LOCATION

APPROXIMATE STREAM BED LOCATION

NA — NOT ANALYSED

NS — NOT SAMPLED

ISOCONCENTRATION FOR TETRACHLOROETHENE (PCE) IN MICROGRAMS PER LITER (ug/L)

- 1,000–10,000 ug/L
- 100–1,000 ug/L
- 10–100 ug/L
- 5 –10 ug/L

EPA MCL FOR PCE (5 ug/L)

ISOCONCENTRATION CONTOUR FOR PCE

90 45 0 90 180

SCALE 1" = 90'

DRAWN	ZJD	DATE	10/28/15
CHECKED	PSJ	FILE	FIGURE 5.1.DWG
APPROVED	PSJ	JOB NO:	6251121007.03.01

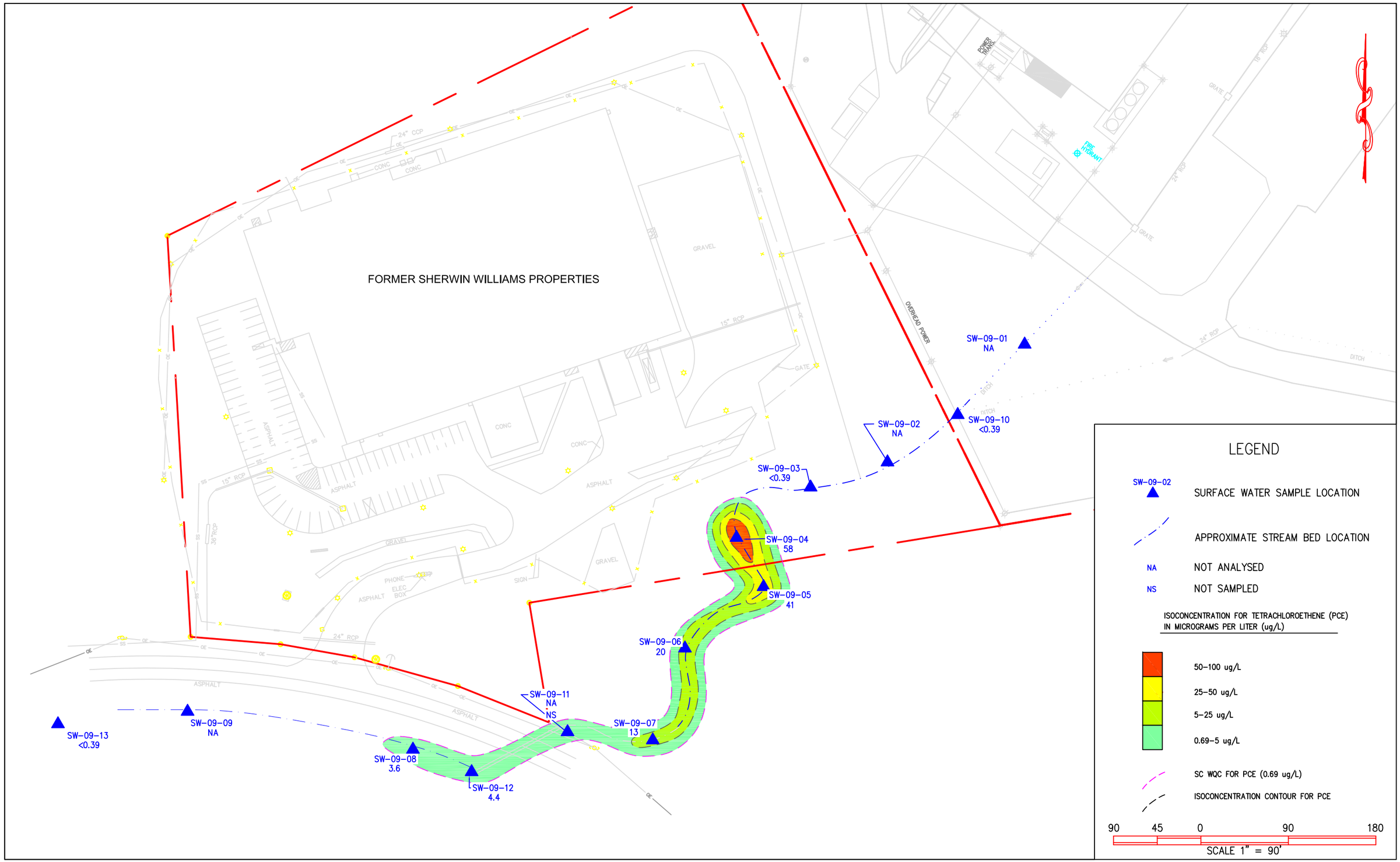
REVISIONS		
No.	DESCRIPTION	BY

amec foster wheeler

37 VILLA ROAD
SUITE 201
GREENVILLE, S.C. 29615
Phone: (864) 552-9624
Fax: (864) 552-9699

GROUND WATER PCE MAP
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE 5.1



DRAWN	ZJD	DATE	10/28/15	REVISIONS	
CHECKED	PSJ	FILE	FIGURE 5.2.DWG	No. / DESCRIPTION / BY	
APPROVED	PSJ	JOB NO:	6251121007.03.01		

amec foster wheeler

37 VILLA ROAD
SUITE 201
GREENVILLE, S.C. 29615
Phone: (864) 552-9624
Fax: (864) 552-9699

SURFACE WATER PCE MAP
RBTC FOUNTAIN INN DIVISION/FORMER SHERWIN WILLIAMS PROPERTIES
FOUNTAIN INN, SOUTH CAROLINA

FIGURE
5.2

APPENDICES

APPENDIX A

FIELD DATA RECORDS

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Site: F. INN
Project Number: 625112007
Date: 11-5-14 & 11-4-14
Exploration Identification: AOC-09
Time: Start: _____ End: _____
Signature of Sampler: Lon Mash

SURFACE WATER INFORMATION

Sample ID No.: DRY Water Depth _____ (ft)

Depth of Sample
From Top of Water _____ (ft) Temperature _____ Deg. C.

Spec. Cond. _____ µMHOS/CM pH _____ Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Type of Surface Water:
[ ] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[ ] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record _____

SOIL/SEDIMENT INFORMATION

Sample ID No.: SD-09-01X000XX

Depth of Sediment Sample 0.1 (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

11-4-14
1315

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[X] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Type Of Sample Collected:
[X] Discrete
[ ] Composite

Sediment Type:
[ ] Clay
[X] Sand
[ ] Organic
[ ] Gravel

Sample Observations:
[X] Odor NONE
[X] Color white (to) gray
[ ] _____

SAMPLES TO BE COLLECTED / SAMPLES COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	Analysis - Surface Water
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[ ] VOC (on-site)
[X] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[ ] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other _____				[ ] Other DRY

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[X] VOC	8260B		(1) 40 mL - MEOH	[X] VOC
[X] Moisture (off-site)	-		(1) 2 OZ. or 40 mL	[X] Moisture (off-site)
[ ] SVOC	CLP		(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP			[ ] Pest/PCB
[ ] PCB	1668		(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other _____				[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Surface Water and Sediment Sample Field Data Record

Project: KBJC
Site: F1 - IDW
Project Number: 625121007
Date: 11-4 / 11-5
Exploration Identification: AOC - 09
Time: Start: _____ End: _____
Signature of Sampler: Lon Mann

SURFACE WATER INFORMATION

Sample ID No.: SW-09-02 Water Depth 0.5 (ft)

Depth of Sample From Top of Water 0.2 (ft) Temperature 12.22 Deg. C.

Spec. Cond. 0.6661 µMHOS/CM pH 5.43 Units

Field QC Data: [ ] Field Duplicate Collected [ ] MS/MSD Collected

DO = 3.41
ORP = 8.6

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [ ] No

Equipment Used For Collection:
[✓] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

11-5-14

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record _____

SOIL/SEDIMENT INFORMATION

Sample ID No.: SD-09-02

Depth of Sediment Sample 0.3 (ft)

Field QC Data: [ ] Field Duplicate Collected [ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[✓] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[✓] Sand
[ ] Organic
[ ] Gravel

11-4-14
1330

Type Of Sample Collected:
[✓] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water

[ ] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[✓] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment

[ ] VOA (on-site)
[ ] Moisture (on-site)
[✓] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - TIC = ND

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Site: FI-INN
Project Number: 625112100 7
Date: 11-5-19
Exploration Identification: NOC-09
Time: Start: _____ End: _____
Signature of Sampler: Lisa Mann

SURFACE WATER INFORMATION

Sample ID No.: SW-09-03 Water Depth 0.5 (ft)

Depth of Sample From Top of Water 0.25 (ft) Temperature 12.43 Deg. C.

Spec. Cond. 0.515 µMHOS/CM pH 5.09 Units

Field QC Data: [ ] Field Duplicate Collected DO = 2.31
[ ] MS/MSD Collected ORP = 153.2

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [ ] No

Equipment Used For Collection:
[✓] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record _____

SOIL/SEDIMENT INFORMATION

Sample ID No.: SD-09-03

Depth of Sediment Sample 0.3 (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[✓] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[✓] Sand
[ ] Organic
[ ] Gravel

11-4-14

Type Of Sample Collected:
[✓] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water

[ ] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL
[✓] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment

[ ] VOA (on-site)
[ ] Moisture (on-site)
[✓] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color Lee = ND

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Site: Ft. Jun
Project Number: 625112007
Date: 11-4 / 11-5 2014
Exploration Identification: AOC 09
Time: Start: _____ End: _____
Signature of Sampler: Lee Mann

SURFACE WATER INFORMATION

Sample ID No.: SW-09-04 Water Depth 0.5 (ft)

Depth of Sample From Top of Water 0.25 (ft) Temperature 15.48 Deg. C.

Spec. Cond. 0.590 µMHOS/CM pH 5.49 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

DO = 3.75
ORP = 558

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[ ] No

Equipment Used For Collection:
[✓] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record N/A

SOIL/SEDIMENT INFORMATION

Sample ID No.: SD-09-04

Depth of Sediment Sample 0.2 (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split-Spoon
[ ] Dredge
[✓] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[✓] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[✓] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED / SAMPLES COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	SAMPLES COLLECTED: Analysis - Surface Water
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[ ] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other _____				[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[✓] VOC	8260B	↓	(1) 40 mL - MEOH	[✓] VOC
[ ] Moisture (off-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP	↓	(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP	↓	↓	[ ] Pest/PCB
[ ] PCB	1668	↓	(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP	↓	(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other _____				[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - lea = 1.5
1.2 (Duplicate)

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Project Number: 625112607
Exploration Identification: AOC-09
Time: Start: _____ End: _____

Site: FT. INN
Date: 11-4 11-5 2014
Signature of Sampler: Lin Mark

SURFACE WATER INFORMATION

Sample ID No.: SW-09-05 Water Depth 0.25 (ft)

Depth of Sample From Top of Water 0.10 (ft) Temperature 13.96 Deg. C.

Spec. Cond. 0.763 µMHOS/CM pH 5.48 Units

Field QC Data: [ ] Field Duplicate Collected DO = 13.20
[ ] MS/MSD Collected ORP = 2.20

Type of Surface Water:
[ ] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[ ] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record _____

SOIL/SEDIMENT INFORMATION

Sample ID No.: SD-09-05

Depth of Sediment Sample 0.2 (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[✓] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[✓] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[✓] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water
[ ] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[✓] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Sediment
[ ] VOA (on-site)
[ ] Moisture (on-site)
[✓] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color tee = 1.0
1.1 (Duplicate)

Surface Water and Sediment Sample Field Data Record

Project: RBTC Site: Ft. Jn[illegible]
Project Number: 1025112160[illegible] Date: 11-4 / 11-5 2014
Exploration Identification: AOC 09
Time: Start: ______ End: ______ Signature of Sampler: [signature]

SURFACE WATER INFORMATION

Sample ID No.: SW-09-06 Water Depth 0.4 (ft)
Depth of Sample From Top of Water 0.2 (ft) Temperature 14.03 Deg. C.
Spec. Cond. 0.770 µMHOS/CM pH 5.63 Units
DO = 2.43
ORP = 3.34
Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Type of Surface Water: [✓] Stream [ ] River [ ] Pond/Lake [ ] Seep
Sample Location Sketch: [ ] Yes [ ] No
Equipment Used For Collection: [✓] None, Grab Into Bottle [ ] Bomb Sampler [ ] Pump ______
Velocity Measurements Obtained? [ ] Yes, See Flow Measurement Data Record ______

SOIL/SEDIMENT INFORMATION

Sample ID No.: SD-09-06
Depth of Sediment Sample 0-10 (ft)
Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection: [ ] Gravity Corer [ ] S.S. Split Spoon [ ] Dredge [✓] Hand Spoon [ ] Aluminum Pans [ ] SS Bucket [ ] ______

Sediment Type: [ ] Clay [✓] Sand [ ] Organic [ ] Gravel

Type Of Sample Collected: [ ] Discrete [ ] Composite

Sample Observations: [ ] Odor ______ [ ] Color ______ [ ] ______

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	SAMPLES COLLECTED Analysis - Surface Water
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[ ] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other ______				[ ] Other ______

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[✓] VOC	8260B	↓	(1) 40 mL - MEOH	[✓] VOC
[ ] Moisture (off-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP	↓	(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP	↓		[ ] Pest/PCB
[ ] PCB	1668	↓	(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other ______				[ ] Other ______

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color-tec 0.8
ND (Duplicate)

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Project Number: 625121007
Exploration Identification: AOC - 09
Time: Start: _____ End: _____

Site: Ft. INN
Date: 11-4 + 11-5 2014
Signature of Sampler: Lin Mank

SURFACE WATER INFORMATION

Sample ID No.: SW-09-07 Water Depth 0.3 (ft)

Depth of Sample From Top of Water 0.15 (ft) Temperature 14.01 Deg. C.

Spec. Cond. 0.764 µMHOS/CM pH 5.62 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

DO = 2.61
ORP = 38.3

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[ ] No

Equipment Used For Collection:
[✓] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: SD-09-07

Depth of Sediment Sample 0.2 (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split-Spoon
[ ] Dredge
[✓] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type of Sample Collected:
[✓] Discrete
[ ] Composite

Sample Observations:
[ ] Odor None
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water
[ ] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[✓] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO		(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	4 DEG. C	(1) 4 OZ. G
[ ] Grain Size		NA	
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Sediment
[ ] VOA (on-site)
[ ] Moisture (on-site)
[✓] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color Rec = 1.0

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Project Number: 625112007
Exploration Identification: AOC-09
Time: Start: _____ End: _____

Site: Ft. INN
Date: 11-4 - 11-5 2024
Signature of Sampler: Lw Mann

SURFACE WATER INFORMATION

Sample ID No.: SW-09-08 Water Depth 0.3 (ft)

Depth of Sample From Top of Water 0.2 (ft) Temperature 13.20 Deg. C.

Spec. Cond. 0.611 µMHOS/CM pH 6.50 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected
DO = 5.00
ORP = 240

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[ ] No

Equipment Used For Collection:
[✓] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: SD-09-08

Depth of Sediment Sample 0.12 (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[✓] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[✓] Sand
[ ] Organic
[ ] Gravel

Type of Sample Collected:
[✓] Discrete
[ ] Composite

Sample Observations:
[ ] Odor None
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water

[ ] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[✓] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment

[ ] VOA (on-site)
[ ] Moisture (on-site)
[✓] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color tee = ND

Surface Water and Sediment Sample Field Data Record

Project: SWF RBTC
Site: FT. JUN
Project Number: 625112007
Date: 11-4 / 11-5 2014
Exploration Identification: ____
Time: Start: ____ End: ____
Signature of Sampler: [signature]

SURFACE WATER INFORMATION

Sample ID No.: SW-09-09
Water Depth 0.4 (ft)

Depth of Sample From Top of Water 0.2 (ft)
Temperature 11.87 Deg. C.

Spec. Cond. 0.125 μMHOS/CM
pH 6.47 Units

DO = 4.48
ORP = 19.4

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Type of Surface Water:
[✓] Stream
[ ] River
[ ] Pond/Lake
[ ] Seep

Equipment Used For Collection:
[✓] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump ____

Sample Location Sketch: [ ] Yes
[ ] No

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: SD-09-09

Depth of Sediment Sample ____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[✓] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] ____

Sediment Type:
[ ] Clay
[✓] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor None
[ ] Color ____
[ ] ____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	SAMPLES COLLECTED Analysis - Surface Water
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[ ] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other ____				[ ] Other

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[✓] VOC	8260B	↓	(1) 40 mL - MEOH	[✓] VOC
[ ] Moisture (off-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP	↓	(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP	↓		[ ] Pest/PCB
[ ] PCB	1668	↓	(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other ____				[ ] Other ____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color tec = ND

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Site: FT-INN
Project Number: 425121067
Date: 11-5-14
Exploration Identification: ACC-09
Time: Start: _____ End: _____
Signature of Sampler: Lw Marsh

SURFACE WATER INFORMATION

Sample ID No.: SW-09-10 Water Depth 0.3 (ft)

Depth of Sample From Top of Water 0.15 (ft) Temperature 11.03 Deg. C.

Spec. Cond. 0.562 µMHOS/CM pH 6.68 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

DO = 3.52
ORP = 176.5

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[ ] No

Equipment Used For Collection:
[✓] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record ND

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water
[ ] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[ ] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment
[ ] VOA (on-site)
[ ] Moisture (on-site)
[ ] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color tea = ND

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Project Number: 62512107
Exploration Identification: AOC-09
Time: Start: _____ End: _____

Site: Ft. Ind
Date: 11-5-14
Signature of Sampler: Lm Mann

SURFACE WATER INFORMATION

Sample ID No.: SW-09-11 Water Depth 0.3 (ft)

Depth of Sample From Top of Water 0.2 (ft) Temperature _____ Deg. C.

Spec. Cond. _____ µMHOS/CM pH _____ Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Type of Surface Water:
[ ] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[ ] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record ND

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[ ] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water

[ ] VOC (on-site)
[ ] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[ ] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment

[ ] VOA (on-site)
[ ] Moisture (on-site)
[ ] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Not Accessible

Surface Water and Sediment Sample Field Data Record

Project: [illegible] Site: Ft. Inn
Project Number: 602511021007 Date: 11-5-14
Exploration Identification: AOC-09
Time: Start: ______ End: ______ Signature of Sampler: [signature]

SURFACE WATER INFORMATION

Sample ID No.: SW-09-12 Water Depth 0.4 (ft)

Depth of Sample From Top of Water 0.2 (ft) Temperature 0.83 Deg. C.

Spec. Cond. 0.592 µMHOS/CM pH 6.17 Units

Field QC Data: [ ] Field Duplicate Collected DO= 3.32
[ ] MS/MSD Collected ORP= 29.6

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Equipment Used For Collection:
[✓] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump ______

Sample Location Sketch: [ ] Yes
[ ] No

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: ______

Depth of Sediment Sample ______ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] ______

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor ______
[ ] Color ______
[ ] ______

SAMPLES TO BE COLLECTED / SAMPLES COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	Samples Collected: Analysis - Surface Water
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[ ] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other ______				[ ] Other ______

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[ ] VOC	8260B	↓	(1) 40 mL - MEOH	[ ] VOC
[ ] Moisture (off-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP	↓	(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP	↓		[ ] Pest/PCB
[ ] PCB	1668	↓	(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other ______				[ ] Other ______

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color tec = 0.2
<0.2 (Duplicate)

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Site: F1 INN
Project Number: 625121007
Date: 11-5-14
Exploration Identification: AOC-09
Time: Start: _____ End: _____
Signature of Sampler: Lou Mauk

SURFACE WATER INFORMATION

Sample ID No.: SW-09-13 Water Depth 0.3 (ft)

Depth of Sample From Top of Water 6.15 (ft) Temperature 1205 Deg. C.

Spec. Cond. 0.752 µMHOS/CM pH 6.36 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

DO = 5.38
ORP = 36.9

Type of Surface Water:
[x] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[ ] No

Equipment Used For Collection:
[x] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED / SAMPLES COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	Analysis - Surface Water
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[ ] VOC (on-site)
[x] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[x] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other _____				[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[ ] VOC	8260B		(1) 40 mL - MEOH	[ ] VOC
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP		(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP			[ ] Pest/PCB
[ ] PCB	1668		(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other _____				[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color-tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Site: Ft. Jon
Project Number: 625121007
Date: 11-5-19
Exploration Identification: AOC-09
Time: Start: _____ End: _____
Signature of Sampler: Lisa Marks

SURFACE WATER INFORMATION

Sample ID No.: PW-09-01 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 14.96 Deg. C.

Spec. Cond. 0.762 µMHOS/CM pH 5.21 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

DO = 4.55
ORP = -0.10

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [✓] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[✓] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water
[✓] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[ ] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment
[ ] VOA (on-site)
[ ] Moisture (on-site)
[ ] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Project Number: 42512100-7
Exploration Identification: AOC-09
Time: Start: _____ End: _____

Site: Ft. Lewis
Date: 11-5-19
Signature of Sampler: Lisa Marks

SURFACE WATER INFORMATION

Sample ID No.: PW-09-02 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 15.64 Deg. C.

Spec. Cond. 0.860 µMHOS/CM pH 5.22 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected
DO = 3.10
ORP = 58.5

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [✓] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[✓] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water

[✓] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[ ] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment

[ ] VOA (on-site)
[ ] Moisture (on-site)
[ ] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Project Number: 42512100T
Exploration Identification: AOC-09
Time: Start: _____ End: _____

Site: Ft. Lewis
Date: 11-5-19
Signature of Sampler: Lisa Marks

SURFACE WATER INFORMATION

Sample ID No.: PW-09-03 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 16.74 Deg. C.

Spec. Cond. 0.840 µMHOS/CM pH 5.39 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

DO = 3.89
ORP = 76.1

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [✓] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[✓] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED / SAMPLES COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	Samples Collected
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[✓] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other _____				[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[ ] VOC	8260B	↓	(1) 40 mL - MEOH	[ ] VOC
[ ] Moisture (off-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP	↓	(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP	↓	↓	[ ] Pest/PCB
[ ] PCB	1668	↓	(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP	↓	(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other _____				[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC Site: Ft. Inn
Project Number: 62512L007 Date: 11-5-14
Exploration Identification: AOC-09
Time: Start: ______ End: ______ Signature of Sampler: [signature]

SURFACE WATER INFORMATION

Sample ID No.: PW-09-04 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 16.82 Deg. C.

Spec. Cond. 0.795 µMHOS/CM pH 5.57 Units

DO = 4.33
ORP = 75.8

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [✓] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[✓] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: ______

Depth of Sediment Sample ______ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] ______

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor ______
[ ] Color ______
[ ] ______

SAMPLES TO BE COLLECTED / SAMPLES COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	Analysis - Surface Water (Collected)
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[✓] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other ______				[ ] Other ______

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment (Collected)
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[ ] VOC	8260B	↓	(1) 40 mL - MEOH	[ ] VOC
[ ] Moisture (off-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP	↓	(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP	↓		[ ] Pest/PCB
[ ] PCB	1668	↓	(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other ______				[ ] Other ______

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color-tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Site: Ft. Ord
Project Number: 425162.1007
Date: 11-5-14
Exploration Identification: AOC-09
Time: Start: _____ End: _____
Signature of Sampler: Lisa Marks

SURFACE WATER INFORMATION

Sample ID No.: PW-09-05 Water Depth NA (ft)
Depth of Sample From Top of Water 1.5 (ft) Temperature 13.26 Deg. C.
Spec. Cond. 0.370 µMHOS/CM pH 5.22 Units
Field QC Data: [ ] Field Duplicate Collected [ ] MS/MSD Collected
DO = 1.31
ORP = 149.8

Type of Surface Water:
[ ] Stream [ ] River
[ ] Pond/Lake [ ] Seep
Sample Location Sketch: [ ] Yes [X] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[X] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____
Depth of Sediment Sample _____ (ft)
Field QC Data: [ ] Field Duplicate Collected [ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED / SAMPLES COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	Analysis - Surface Water
[X] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[X] VOC (on-site)
[X] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[ ] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other _____				[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[ ] VOC	8260B		(1) 40 mL - MEOH	[ ] VOC
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP		(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP			[ ] Pest/PCB
[ ] PCB	1668		(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other _____				[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color-tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Project Number: 423121007
Exploration Identification: AOC-09
Time: Start: _____ End: _____

Site: Ft. Lyon
Date: 11-5-19
Signature of Sampler: Lisa Marks

SURFACE WATER INFORMATION

Sample ID No.: PW-09-06 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 11.64 Deg. C.

Spec. Cond. 0.567 µMHOS/CM pH 4.68 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

DO = 1.31
ORP = 119.5

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [✓] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[✓] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water

[✓] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[ ] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment

[ ] VOA (on-site)
[ ] Moisture (on-site)
[ ] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Site: F1 - IRN
Project Number: 625112100.7
Date: 11-5-14
Exploration Identification: AOC-09
Time: Start: _____ End: _____
Signature of Sampler: Lan Mauldin

SURFACE WATER INFORMATION

Sample ID No.: PW-09-07 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 16.17 Deg. C.

Spec. Cond. 0.567 µMHOS/CM pH 5.32 Units

Field QC Data: [ ] Field Duplicate Collected D.O = 6.09
[ ] MS/MSD Collected ORP = 122.1

Type of Surface Water:
[ ] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [X] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[X] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record ND

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[X] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[X] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water	
[X] VOC (on-site)	ND
[ ] VOC	
[ ] SVOC	
[ ] Pest/PCB	
[ ] PCB	
[ ] TAL Inorganics	
[ ] Cyanide	
[ ] TSS	
[ ] TKN	
[ ] TPHC-diesel	
[ ] TOC	
[ ] Other _____	

Not sent for lab analysis

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[ ] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment
[ ] VOA (on-site)
[ ] Moisture (on-site)
[ ] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color tec = ~~10~~ ND 1pm

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Project Number: 625112100.7
Exploration Identification: AOC 09
Time: Start: _____ End: _____

Site: F1. INN
Date: 11-5-14
Signature of Sampler: Jon Mark

SURFACE WATER INFORMATION

Sample ID No.: PW-09-03 (Pore) Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 13.63 Deg. C.

Spec. Cond. 0.760 µMHOS/CM pH 5.87 Units

Field QC Data: [ ] Field Duplicate Collected DO 3.41
[ ] MS/MSD Collected ORP 86

Type of Surface Water:
[ ] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[✓] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[✓] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record ND

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED / SAMPLES COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	Analysis - Surface Water
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[✓] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other _____				[ ] Other _____

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Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[ ] VOC	8260B		(1) 40 mL - MEOH	[ ] VOC
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP		(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP			[ ] Pest/PCB
[ ] PCB	1668		(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other _____				[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Site: Ft. Jon
Project Number: 4251121007
Date: 11-5-14
Exploration Identification: AOC-09
Time: Start: _____ End: _____
Signature of Sampler: Lisa Marks

SURFACE WATER INFORMATION

Sample ID No.: PW-09-09 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 14.32 Deg. C.

Spec. Cond. 0869 µMHOS/CM pH 5.89 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected
DO = 1.07
ORP = 146.6

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [✓] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[✓] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED / SAMPLES COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	Analysis - Surface Water (Samples Collected)
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[✓] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other _____				[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment (Samples Collected)
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[ ] VOC	8260B	↓	(1) 40 mL - MEOH	[ ] VOC
[ ] Moisture (off-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP	↓	(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP	↓	↓	[ ] Pest/PCB
[ ] PCB	1668	↓	(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP	↓	(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other _____				[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color-tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Site: Ft. Jon
Project Number: 423162107
Date: 11-5-19
Exploration Identification: AOC-09
Time: Start: _____ End: _____
Signature of Sampler: Lisa Marks

SURFACE WATER INFORMATION

Sample ID No.: PW-09-10 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 14.59 Deg. C.

Spec. Cond. 0.1640 µMHOS/CM pH 5.96 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

DO = 3.53
ORP = -71.5

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [✓] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[✓] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water

[✓] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[ ] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment

[ ] VOA (on-site)
[ ] Moisture (on-site)
[ ] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - tec = ND

Surface Water and Sediment Sample Field Data Record

Project: RBTC
Project Number: 625112167
Exploration Identification: ACC-09
Time: Start: _____ End: _____

Site: FT. INN
Date: 11-5-14
Signature of Sampler: Lin Mann

SURFACE WATER INFORMATION

Sample ID No.: PW-09-11 Water Depth NA (ft)

Depth of Sample
From Top of Water _____ (ft) Temperature _____ Deg. C.

Spec. Cond. _____ µMHOS/CM pH _____ Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Type of Surface Water:
[ ] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes
[ ] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump _____

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record _____

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[ ] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[ ] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water
[ ] VOC (on-site)
[ ] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[ ] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment
[ ] VOA (on-site)
[ ] Moisture (on-site)
[ ] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

NOT ACCESSIBLE

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC   Site: Ft. Inn
Project Number: 625112007   Date: 11-5-14
Exploration Identification: AOC-09
Time: Start: ______ End: ______   Signature of Sampler: [signature]

SURFACE WATER INFORMATION

Sample ID No.: PW-09-12   Water Depth NA (ft)
Depth of Sample From Top of Water 1.5 (ft)   Temperature 17.25 Deg. C.
Spec. Cond. 0.778 µMHOS/CM   pH 6.42 Units
DO = 2.82
ORP -260
Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Type of Surface Water: [✓] Stream [ ] River [ ] Pond/Lake [ ] Seep

Equipment Used For Collection: [ ] None, Grab Into Bottle [ ] Bomb Sampler [✓] Pump Peristaltic

Sample Location Sketch: [ ] Yes [✓] No

Velocity Measurements Obtained? [ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: ______
Depth of Sediment Sample ______ (ft)
Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] ______

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor ______
[ ] Color ______
[ ] ______

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	SAMPLES COLLECTED Analysis - Surface Water
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[✓] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other ______				[ ] Other ______

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[ ] VOC	8260B	↓	(1) 40 mL - MEOH	[ ] VOC
[ ] Moisture (off-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP	↓	(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP	↓		[ ] Pest/PCB
[ ] PCB	1668	↓	(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other ______				[ ] Other ______

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC
Site: Ft. Jon
Project Number: 423162107
Date: 11-5-19
Exploration Identification: AOC-09
Time: Start: _____ End: _____
Signature of Sampler: Lisa Marks

SURFACE WATER INFORMATION

Sample ID No.: PW-09-L3 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 13.96 Deg. C.

Spec. Cond. 0.794 µMHOS/CM pH 6.15 Units

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

DO = 2.95
ORP 31.3

Type of Surface Water:
[ ] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [ ] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[ ] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: _____

Depth of Sediment Sample _____ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] _____

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor _____
[ ] Color _____
[ ] _____

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG
[ ] PCB	1668	4 DEG. C	(2) 1 L AG
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK
[ ] TSS	160.2	4 DEG. C	250 mL POLY
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG
[ ] TOC	415.1	HCL pH<2	(2) 40 mL
[ ] Other _____			

SAMPLES COLLECTED

Analysis - Surface Water

[✓] VOC (on-site)
[✓] VOC
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] Cyanide
[ ] TSS
[ ] TKN
[ ] TPHC-diesel
[ ] TOC
[ ] Other _____

Analysis - Sediment	Method Number	Preservation Method	Volume Required
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH
[ ] Moisture (on-site)	-		(1) 2 OZ. or 40 mL
[ ] VOC	8260B		(1) 40 mL - MEOH
[ ] Moisture (off-site)	-		(1) 2 OZ. or 40 mL
[ ] SVOC	CLP		(1) 8 OZ. AG
[ ] Pest/PCB	CLP		
[ ] PCB	1668		(1) 4 OZ. G
[ ] TAL Inorganics	CLP		(1) 8 OZ. G
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G
[ ] Grain Size			
[ ] Other _____			

Analysis - Sediment

[ ] VOA (on-site)
[ ] Moisture (on-site)
[ ] VOC
[ ] Moisture (off-site)
[ ] SVOC
[ ] Pest/PCB
[ ] PCB
[ ] TAL Inorganics
[ ] TPHC - Diesel
[ ] TOC
[ ] Grain Size
[ ] Other _____

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - tec = ND

Pore Water

Surface Water and Sediment Sample Field Data Record

Project: KBTC Site: Ft. Inn
Project Number: 6251121007 Date: 11-5-14
Exploration Identification: AOC-09
Time: Start: ______ End: ______ Signature of Sampler: [signature]

SURFACE WATER INFORMATION

Sample ID No.: PW-09-14 Water Depth NA (ft)

Depth of Sample From Top of Water 1.5 (ft) Temperature 13.58 Deg. C.

Spec. Cond. 0.737 µMHOS/CM pH 6.23 Units

Field QC Data: [ ] Field Duplicate Collected DO = 3.61
[ ] MS/MSD Collected ORP 323

Type of Surface Water:
[✓] Stream [ ] River
[ ] Pond/Lake [ ] Seep

Sample Location Sketch: [ ] Yes [✓] No

Equipment Used For Collection:
[ ] None, Grab Into Bottle
[ ] Bomb Sampler
[✓] Pump Peristaltic

Velocity Measurements Obtained?
[ ] Yes, See Flow Measurement Data Record NO

SOIL/SEDIMENT INFORMATION

Sample ID No.: ______

Depth of Sediment Sample ______ (ft)

Field QC Data: [ ] Field Duplicate Collected
[ ] MS/MSD Collected

Equipment Used For Collection:
[ ] Gravity Corer
[ ] S.S. Split Spoon
[ ] Dredge
[ ] Hand Spoon
[ ] Aluminum Pans
[ ] SS Bucket
[ ] ______

Sediment Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type Of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor ______
[ ] Color ______
[ ] ______

SAMPLES TO BE COLLECTED

Analysis - Surface Water	Method Number	Preservation Method	Volume Required	SAMPLES COLLECTED Analysis - Surface Water
[✓] VOC (on-site)	M-8021	4 DEG. C	(2) 40 mL	[✓] VOC (on-site)
[✓] VOC	8260B	HCL, 4 DEG. C	(2) 40 mL	[✓] VOC
[ ] SVOC	CLP	4 DEG. C	(2) 1 L AG	[ ] SVOC
[ ] Pest/PCB	CLP	4 DEG. C	(2) 1 L AG	[ ] Pest/PCB
[ ] PCB	1668	4 DEG. C	(2) 1 L AG	[ ] PCB
[ ] TAL Inorganics	CLP	HNO3 TO pH <2	1 L POLY	[ ] TAL Inorganics
[ ] Cyanide	CLP	NAOH ph>12	1 L POLY-DARK	[ ] Cyanide
[ ] TSS	160.2	4 DEG. C	250 mL POLY	[ ] TSS
[ ] TKN	351.2	H2SO4 pH <2	1 L POLY	[ ] TKN
[ ] TPHC-diesel	ME-DRO	4 DEG. C	(2) 1 L AG	[ ] TPHC-diesel
[ ] TOC	415.1	HCL pH<2	(2) 40 mL	[ ] TOC
[ ] Other ______				[ ] Other

Analysis - Sediment	Method Number	Preservation Method	Volume Required	Analysis - Sediment
[ ] VOA (on-site)	M-8021	4 DEG. C	(1) 40 mL - MEOH	[ ] VOA (on-site)
[ ] Moisture (on-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (on-site)
[ ] VOC	8260B	↓	(1) 40 mL - MEOH	[ ] VOC
[ ] Moisture (off-site)	-	↓	(1) 2 OZ. or 40 mL	[ ] Moisture (off-site)
[ ] SVOC	CLP	↓	(1) 8 OZ. AG	[ ] SVOC
[ ] Pest/PCB	CLP	↓		[ ] Pest/PCB
[ ] PCB	1668	↓	(1) 4 OZ. G	[ ] PCB
[ ] TAL Inorganics	CLP		(1) 8 OZ. G	[ ] TAL Inorganics
[ ] TPHC - Diesel	ME-DRO	4 DEG. C	(1) 4 OZ. G	[ ] TPHC - Diesel
[ ] TOC	Lloyd Kahn	NA	(1) 4 OZ. G	[ ] TOC
[ ] Grain Size				[ ] Grain Size
[ ] Other ______				[ ] Other ______

NOTES

All parameters collected as totals, i.e.: non-filtered unless indicated.

1 = A single 8 oz. jar is collected for SVOA and Pest/PCB.

Color - tec = ND

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-01 | ROUND NO.: RD

TIME: START 1340 END 1440 | JOB NUMBER: 60251121007 | DATE: 1-27-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	11.23 FT	WELL DEPTH (TOR)	24.7 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	11.67 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	3.0 GAL			PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT	WELL DIAMETER	2 IN
WELL INTEGRITY: CAP	YES [x] NO [ ] N/A [ ]		
CASING	YES [x] NO [ ] N/A [ ]		
LOCKED	YES [x] NO [ ] N/A [ ]		
COLLAR	YES [ ] NO [ ] N/A [ ]		
DISCHARGE TIMER SETTING			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1340	11.23	100	18.2	0.233	6.67	0.14	8.47	-97.5		
1350	11.65	100	18.4	0.241	6.73	0.19	11.1	-123.3		
1400	11.65	100	18.5	0.244	6.73	0.17	6.4	-129.0		
1405	11.67	100	18.7	0.243	6.74	0.14	6.3	-134.6		
1410	11.67	100	18.7	0.243	6.74	0.12	6.2	-132.7		
1415	11.67	100	18.7	0.244	6.74	0.13	6.2	-134.6		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[x] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[x] Other 8VOCs				[x] 8VOCs
[x] Other TPH-DRO				[x] TPH-DRO

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO | NUMBER OF GALLONS GENERATED: 3.0

NOTES

SIGNATURE: [signature]

LOCATION SKETCH

1430

MW-08-01 X OW X X

ATA RECORD - LOW FLOW GROUNDWATER SAMPLING

SITE: RBTC - Ft-INN | SAMPLE I.D. NUMBER: MW-08-02D | ROUND NO.: 1

TIME: START 1350 END 1445 | JOB NUMBER: 625112607 | DATE: 1-27-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [x] TOP OF WELL CASING [ ] TOP OF PROTECTIVE CASING [ ] OTHER

INITIAL DEPTH TO WATER	12.46 FT	WELL DEPTH (TOR)	82.9 FT
FINAL DEPTH TO WATER	12.51 FT	SCREEN LENGTH	5 FT
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED	
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	2.0 GAL		

PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	NA FT
PID AMBIENT AIR	PPM	WELL DIAMETER	2 IN
PID WELL MOUTH	PPM	WELL INTEGRITY:	YES / NO / N/A
PRESSURE TO PUMP	PSI	CAP	✓ / — / —
REFILL TIMER SETTING		CASING LOCKED	✓ / — / —
DISCHARGE TIMER SETTING		COLLAR	✓ / — / —

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1350	12.45	150	18.23	0.080	5.84	9.72	3.44	84.7	80	
1400	12.45	200	17.78	0.079	5.77	9.04	24.0	64.2		
1410	12.45	200	18.05	0.078	5.77	8.29	22.9	56.1		
1420	12.50	250	18.39	0.077	5.76	8.32	19.4	54.3		
1425	12.50	250	18.49	0.076	5.75	7.73	16.1	52.5		
1430	12.51	250	18.36	0.078	5.74	8.02	15.5	51.9		
1435	12.51	250	18.52	0.078	5.75	8.04	14.4	50.5		
1440	12.51	250	18.42	0.078	5.75	8.01	11.0	51.2		
1445	12.51	250	18.35	0.078	5.75	7.95	9.85	51.8		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: [ ] BLADDER [x] PERISTALTIC [ ] GEOPUMP

TYPE OF TUBING: [ ] TEFLON OR TEFLON LINED [x] HIGH DENSITY POLYETHYLENE [ ] OTHER

TYPE OF PUMP MATERIAL: [ ] POLYVINYL CHLORIDE [ ] STAINLESS STEEL [ ] OTHER

TYPE OF BLADDER MATERIAL: [ ] TEFLON [ ] OTHER

ANALYTICAL PARAMETERS

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x]	VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[ ]
[ ]	1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ]	Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ]	Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ]	Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ]	Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ]	Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ]	Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ]	TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ]	TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ]	Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ]	Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ]	Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[x]	Other SVOC				[ ]
[x]	Other TPH				[ ]

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: (YES) NO — NUMBER OF GALLONS GENERATED: 2.0

LOCATION SKETCH

MW-08-02D 00022 @ 1450

NOTES

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC- Lincolnton Inn | SAMPLE I.D. NUMBER: MW-08-03 | ROUND NO.: 1

TIME: START 11:00 END 1155 | JOB NUMBER: 625112107 | DATE: 1-22-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	12.04 FT	WELL DEPTH (TOR)	19.33 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	12.98 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED	2.5 GAL			PRESSURE TO PUMP	PSI
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT		
WELL DIAMETER	2 IN		
WELL INTEGRITY:	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			
DISCHARGE TIMER SETTING			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1119	12.35	160	15.61	0.104	5.61	9.59	30.9	80.2	18.0	
1129	12.55	11	16.09	0.101	5.21	2.80	5.41	83.2		
1139	12.75	11	16.15	0.099	5.19	2.81	2.91	87.7		
1144	12.82	11	16.39	0.098	5.19	2.80	2.78	90.7		
1149	12.90	11	16.52	0.097	5.19	2.80	2.69	94.1		
1154	12.94	11	16.42	0.093	5.15	2.79	2.54	99.6		
			Sampled @			1155				

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x]	VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ]	1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ]	Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ]	Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ]	Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ]	Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ]	Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ]	Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ]	TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ]	TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ]	Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ]	Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ]	Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[x]	Other SVOCs				[x] SVOCs
[x]	Other TPH - DRO				[x] TPH DRO

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO

NUMBER OF GALLONS GENERATED: 25

NOTES

SIGNATURE: _____

LOCATION SKETCH

MW-08-03X000XX 1155

MW-08-03X000XD 1155

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-04 | ROUND NO.: 01

TIME: START 1115 END 1145 | JOB NUMBER: 625112007 | DATE: 1-27-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	6.71 FT	WELL DEPTH (TOR)	19.54 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	6.92 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	3.0 GAL			PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT
WELL DIAMETER	2 IN

WELL INTEGRITY:	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			

DISCHARGE TIMER SETTING:

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1115	6.71	100	17.4	0.226	6.31	1.02	108.4	1.9		
1125	6.90	100	17.6	0.222	6.24	0.72	26.0	3.7		
1130	6.90	100	18.1	0.215	6.22	0.53	16.2	8.3		
1135	6.92	100	18.1	0.215	6.22	0.52	8.4	10.3		
1140	6.92	100	18.1	0.215	6.21	0.50	7.2	12.6		
1145	6.92	100	18.1	0.215	6.21	0.49	6.7	14.8		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[x] Other SVOCs				[x] SVOCs
[x] Other TPH-DRO				[x] TPH-DRO

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: (YES) NO

NUMBER OF GALLONS GENERATED: 3.0

LOCATION SKETCH

1145 MS MD

NOTES

SIGNATURE: Lori Marla

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-05 | ROUND NO.: R1

TIME: START 900 END 930 | JOB NUMBER: 625112107 | DATE: 1-29-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	8.56 FT	WELL DEPTH (TOR)	19.3 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	8.70 FT	SCREEN LENGTH	10 FT	PROTECTIVE CASING / WELL DIFFERENCE	NA FT
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID AMBIENT AIR	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/millliliter)	3.0 GAL			PID WELL MOUTH	PPM
				PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	
				DISCHARGE TIMER SETTING	

WELL DIAMETER	2 IN		

WELL INTEGRITY:

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED			
COLLAR			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
900	8.65	100	16.9	0.063	4.85	2.98	12.4	264.6	16	
905	8.65	100	16.7	0.057	4.59	2.66	10.7	301.4	16	
910	8.65	100	16.7	0.057	4.59	2.64	11.3	306.4	16	
915	8.68	100	16.7	0.056	4.58	2.65	11.0	310.9	16	
920	8.70	100	16.7	0.056	4.58	2.64	9.2	312.4		|
925	8.70	100	16.7	0.056	4.59	2.64	8.7	313.2		|
930	8.70	100	16.7	0.056	4.58	2.64	7.9	314.6		|

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[x] Other SVOCs				[x] SVOCs
[x] Other TPH-DRO				[x] TPH-DRO

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO

NUMBER OF GALLONS GENERATED: 30

LOCATION SKETCH

MW-08-05 X OW X X

930

NOTES

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-12 | ROUND NO.: 01

TIME: START 930 END 1000 | JOB NUMBER: 60251121007 | DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	12.51 FT	WELL DEPTH (TOR)	19.35 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	12.55 FT	SCREEN LENGTH	10 FT	PROTECTIVE CASING / WELL DIFFERENCE	NA FT
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID AMBIENT AIR	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	2.0 GAL			PID WELL MOUTH	PPM
				PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	
				DISCHARGE TIMER SETTING	
				WELL DIAMETER	2 IN

WELL INTEGRITY:	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
930	12.51	100	15.8	0.054	5.13	5.49	69.3	281	16	
935	12.54	100	16.2	0.049	4.57	5.45	30.2	329	16	
940	12.54	100	16.2	0.050	4.55	5.33	12.8	348	16	
945	12.54	100	16.3	0.050	4.50	5.25	5.20	355	16	pH = 4.50
950	12.55	100	16.3	0.050	4.49	5.25	4.81	358	16	
955	12.55	100	16.3	0.050	4.49	5.24	2.82	401	16	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[x] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x]	VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ]	1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ]	Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ]	Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ]	Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ]	Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ]	Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ]	Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ]	TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ]	TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ]	Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ]	Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ]	Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ]	Other_____	_____	_____	_____	[ ] _____
[ ]	Other_____	_____	_____	_____	[ ] _____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO | NUMBER OF GALLONS GENERATED: 2.0

NOTES

SIGNATURE: Lori Mack

LOCATION SKETCH

1000

MW-09 - 06X000 XV

Well Development Log

Well No.: MW-09-07

Client Name:	Project Name:		Checked By:
Well Installation Date: 7-16-15		Start Date: 7-17-15	Finish Date:
Well Development Date: 7-17-15		Start Time: 845	Finish Time:

Initial Water Level (ft.): 18.30 bgs

Water Level during **Initial** Pumping/Purging (ft).: 18.31 bgs

Water Level at **Termination** of Pumping/Purging (ft).: 18.31 bgs

Weather: Clear, warm

TD 24.67 Before bgs
TD 24.77 After bgs

Height of Water Column: 6.37 (ft.) x
_____ 0.16 gal./ft. (2 in.)
_____ 0.65 gal/ft. (4 in.)
_____ 1.5 gal/ft. (6 in.)
_____ gal/ft. (____ in.) = 1.01 Well Volume (gal./ft.)

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Redox ~~Approximate Pumping Rate (gal/min.):~~	Turbidity (NTU's):	DO
0	845	-	-	-	-	>999	-
10	855	21.54	4.87	0.074	273.4	40.4	4.64
15	900	20.64	4.74	0.064	291.2	120	4.21
25	910	21.29	4.71	0.064	304.7	23.6	3.80
30	915	21.29	4.72	0.063	321.4	11.8	3.60
40	925	21.29	4.71	0.062	321.4	8.26	3.60
45	930	21.13	4.68	0.062	324.4	3.31	4.33
						2.95	

Notes:

Pumping 1 gal/minute 930 Sampled

Well Developers Signature: Lori Mauk

Well Development Log

Well No.: MW 09-09D

Client Name: RBTC — Project Name: Ft. Inn		Checked By:
Well Installation Date: 7-15-15	Start Date:	Finish Date:
Well Development Date: 7-17-15	Start Time: 1020	Finish Time:

Initial Water Level (ft.): 18.55 (bgs)

Water Level during **Initial** Pumping/Purging (ft).: 18.55 (bgs)

Water Level at **Termination** of Pumping/Purging (ft).: 27.54 (bgs)

Weather: Clear, Warm

TD = 91.95 before (bgs)
TD = 92.70 After (bgs)

Height of Water Column: 73.4 (ft.) x
_____ 0.16 gal./ft. (2 in.)
_____ 0.65 gal/ft. (4 in.)
_____ 1.5 gal/ft. (6 in.)
_____ gal/ft. (_____ in.) = 11.74 Well Volume (gal./ft.)

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	ORP Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):	DO
0	1020	25.73	6.79	0.210	111.0	>999	3.41
15	1035	25.64	6.33	0.151	115.6	473	1.74
25	1045	25.18	6.32	0.145	121.5	55.4	2.30
40	1100	25.17	6.27	0.142	138.4	24.3	2.33
50	1110	25.14	6.25	0.140	142.5	15.0	2.34
60	1120	25.12	6.24	0.140	142.4	9.2	

Notes:

Sampled at 1120

Well Developers Signature: Lon Maule

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Fountain Inn | SAMPLE I.D. NUMBER: MW-09-09 | ROUND NO.: 1

TIME: START 1025 END 1100 | JOB NUMBER: 1025112007 | DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [x] TOP OF WELL CASING [ ] TOP OF PROTECTIVE CASING [ ] OTHER

INITIAL DEPTH TO WATER	17.67 FT	WELL DEPTH (TOR)	24.55 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	18.01 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	GAL			PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT	
WELL DIAMETER	2 IN	
WELL INTEGRITY:	YES	NO	N/A
CAP	—	—	—
CASING	✓	—	—
LOCKED	✓	—	—
COLLAR	—	—	—
DISCHARGE TIMER SETTING			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1027	17.67	200	17.81	0.062	4.86	10.34	87.4	149.3	24'	
1032	17.98	200	18.56	0.062	4.70	7.99	3.37	162.9		
1042	18.00	200	18.95	0.061	4.66	9.14	2.44	173.9		
1047	18.00	200	18.90	0.061	4.65	9.44	2.09	175.9		
1052	18.01	200	19.00	0.061	4.64	10.01	1.87	176.8		
1057	18.01	200	18.95	0.061	4.64	10.27	1.22	176.3		
			Sampled @		11:00					

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER
[ ] GEOPUMP	[ ] OTHER	[ ] OTHER	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other				[ ]
[ ] Other				[ ]

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO | NUMBER OF GALLONS GENERATED: 2.5

NOTES

SIGNATURE:

LOCATION SKETCH

MW-09-09 @ 11:00

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Lwn | SAMPLE I.D. NUMBER: MW-09-10 | ROUND NO.: 1

TIME: START 1245 END 1310 | JOB NUMBER: 602512/007 | DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	6.37 FT	WELL DEPTH (TOR)	18.89 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	6.76 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (Initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED	2.0 GAL			PRESSURE TO PUMP	PSI
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT	
WELL DIAMETER	2 IN	
DISCHARGE TIMER SETTING		

WELL INTEGRITY:

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m) 200	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1245	6.37	~~17.4~~	17.41	0.025	5.22	12.43	126	137.6	18	
1250	6.75	300	17.57	0.028	5.20	12.80	72.1	137.4		
1255	6.76	300	17.75	0.028	5.27	12.40	23.7	132.7		
1300	6.76	300	17.83	0.028	5.29	12.25	19.3	131.3		
1305	6.76	300	17.95	0.028	5.30	12.06	11.23	126.2		
1310	6.76	300	18.14	0.029	5.45	11.96	4.92	121.0		
				Sampled @			1315			

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[x] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Slm			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other _____				[ ] _____
[ ] Other _____				[ ] _____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: (YES) NO

NUMBER OF GALLONS GENERATED: 2.0

NOTES

SIGNATURE: _____

LOCATION SKETCH

MW-09-10 X 000 XF 1315

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-09-11 | ROUND NO.: 1

TIME: START 1345 END 1420 | JOB NUMBER: 625112087 | DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	9.56 FT	WELL DEPTH (TOR)	19.37 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	9.77 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED	2.5 GAL			PRESSURE TO PUMP	PSI
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT		
WELL DIAMETER	2 IN		
WELL INTEGRITY:	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			
DISCHARGE TIMER SETTING			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1345	9.56	250	17.63	0.071	4.74	12.94	114	143.6	18.5	
1350	9.72	250	17.41	0.071	4.73	9.63	10.1	140.6		
1355	9.75	250	17.30	0.065	4.74	8.27	40.9	130.9		
1405	9.75	250	17.47	0.061	4.77	8.50	18.5	134.4		
1415	9.77	250	17.40	0.057	4.76	8.32	7.75	133.9		
1420	9.77	250	17.49	0.056	4.80	8.43	7.24	134.1		
		Sampled @ 1425								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other _____				[ ] _____
[ ] Other _____				[ ] _____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO | NUMBER OF GALLONS GENERATED: 2.5

LOCATION SKETCH

MW-09-11 X 0000 X X
MW-09-11 X 0004 D
@ 1425

NOTES

SIGNATURE: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Jnn | SAMPLE I.D. NUMBER: MW-09-12 | ROUND NO.: 1

TIME: START 1430 END 1500 | JOB NUMBER: 625112107 | DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER

INITIAL DEPTH TO WATER	9.50 FT	WELL DEPTH (TOR)	74.28 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	10.28 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	2.5 GAL			PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT	
WELL DIAMETER	2 IN	
WELL INTEGRITY: CAP	YES: /	NO: —	N/A: —
CASING	YES: /	NO: —	N/A: —
LOCKED	YES: —	NO: —	N/A: —
COLLAR	YES: —	NO: —	N/A: —
DISCHARGE TIMER SETTING			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1430	9.50	200	16.60	0.137	6.29	8.57	20.9	89.5	73	
1440	10.28	250	16.75	0.139	6.42	7.30	16.6	~~82.7~~ 82.7		
1450	10.28	250	16.66	0.127	6.29	6.93	8.08	74.6		
1455	10.28	250	16.60	0.127	6.28	6.97	7.45	75.1		
1500	10.28	250	16.57	0.127	6.28	7.07	6.02	73.6		
				Sampled @		15:05				

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER
[ ] GEOPUMP	[ ] OTHER	[ ] OTHER	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other				[ ]
[ ] Other				[ ]

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO | NUMBER OF GALLONS GENERATED: 2.5

LOCATION SKETCH

MW-09-12D 0000XX

NOTES

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-13 | ROUND NO.: R1

TIME: START 1530 END 1615 | JOB NUMBER: 625112/007 | DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	10.40 FT	WELL DEPTH (TOR)	19.60 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	10.50 FT	SCREEN LENGTH	10 FT	PROTECTIVE CASING / WELL DIFFERENCE	NA FT
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID AMBIENT AIR	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/millliliter)	3.0 GAL			PID WELL MOUTH	PPM
				PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	
				DISCHARGE TIMER SETTING	
				WELL DIAMETER	2 IN

WELL INTEGRITY:	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1530	10.40	100	14.4	0.039	5.05	3.65	127	358.9	16	
1540	10.50	100	14.3	0.038	4.91	3.54	85.3	363.1		
1550	10.50	100	14.3	0.039	4.91	3.58	82.4	365.4		
1600	10.50	100	14.2	0.039	4.82	3.52	60.2	366.3		
1610	10.50	100	14.2	0.039	4.82	3.48	62.5	366.7		
1615	10.50	100	14.2	0.039	4.81	3.49	61.4	366.5	—	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x]	VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ]	1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ]	Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ]	Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ]	Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ]	Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ]	Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ]	Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ]	TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ]	TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ]	Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ]	Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ]	Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ]	Other_____				[ ]
[ ]	Other_____				[ ]

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO

NUMBER OF GALLONS GENERATED: 3.0

NOTES

SIGNATURE: Lou Mann

LOCATION SKETCH

MW-09 - 13 X 00 X X

1615

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft Inn | SAMPLE I.D. NUMBER: MW-09-14 | ROUND NO.: 1

TIME: START 1520 END 1550 | JOB NUMBER: 625112107 | DATE: 1-29-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [x] TOP OF WELL CASING [ ] TOP OF PROTECTIVE CASING [ ] OTHER

INITIAL DEPTH TO WATER	8.32 FT	WELL DEPTH (TOR)	19.3 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	8.73 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	3.0 GAL			PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT	
WELL DIAMETER	2 IN	
WELL INTEGRITY: CAP	YES ✓	NO — N/A —
CASING	✓	— —
LOCKED	✓	— —
COLLAR	—	— —
DISCHARGE TIMER SETTING		

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1520	8.32	250	19.31	0.043	5.46	8.61	44.4	148.1	18.5	
1525	8.71	250	19.76	0.044	4.90	7.65	38.6	122.7		
1535	8.71	250	19.87	0.043	4.81	6.86	11.0	117.0		
1540	8.72	250	19.73	0.043	4.75	6.45	7.05	118.4		
1545	8.72	250	19.61	0.043	4.75	6.34	5.51	117.7		
1550	8.73	250	19.51	0.043	4.73	6.15		118.2		
			sampled @	1555						

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[x] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER
[ ] GEOPUMP	[ ] OTHER	[ ] OTHER	

ANALYTICAL PARAMETERS

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x]	VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ]	1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ]	Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ]	Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ]	Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ]	Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ]	Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ]	Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ]	TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ]	TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ]	Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ]	Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ]	Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ]	Other				[ ]
[ ]	Other				[ ]

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: (YES) NO

NUMBER OF GALLONS GENERATED: 3.0

LOCATION SKETCH

MW-09-14 XXXXXX @ 1555

NOTES

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-15 | ROUND NO.: R7

TIME: START 1400 END 1432 | JOB NUMBER: 6251121007 | DATE: 1-29-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	10.28 FT	WELL DEPTH (TOR)	19.5 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	10.37 FT	SCREEN LENGTH	10 FT	PROTECTIVE CASING / WELL DIFFERENCE	NA FT
DRAWDOWN VOLUME (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID AMBIENT AIR	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	2.0 GAL			PID WELL MOUTH	PPM
				PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	
				DISCHARGE TIMER SETTING	
				WELL DIAMETER	2 IN

WELL INTEGRITY:

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1400	10.28	100	15.4	0.050	4.96	5.87	174	321.2	16	
1405	10.37	100	15.7	0.051	4.76	5.56	137	337.6		
1410	10.37	100	15.8	0.051	4.76	5.42	67.4	343.0		
1420	10.37	100	15.8	0.052	4.73	5.43	30.4	346.6		
1425	10.37	100	15.8	0.052	4.72	5.42	30.2	348.6		
1430	10.37	100	15.7	0.052	4.72	5.42	30.2	349.7		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x]	VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ]	1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ]	Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ]	Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ]	Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ]	Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ]	Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ]	Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ]	TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ]	TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ]	Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ]	Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ]	Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ]	Other_____	_____	_____	_____	[ ] _____
[ ]	Other_____	_____	_____	_____	[ ] _____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO

NUMBER OF GALLONS GENERATED: 20

LOCATION SKETCH

MW-09-15X000XX

1430

NOTES

SIGNATURE: Lee Madan

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Fl. INN | SAMPLE I.D. NUMBER: MW-16D | ROUND NO. RI

TIME: START 1435 END 1515 | JOB NUMBER: 10251121007 | DATE: 1-29-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER ____

PROTECTIVE CASING STICKUP (FROM GROUND): NA FT

PROTECTIVE CASING / WELL DIFFERENCE: NA FT

INITIAL DEPTH TO WATER: 10.30 FT

WELL DEPTH (TOR): 72.0 FT

PID AMBIENT AIR: ____ PPM

WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: 11.00 FT

SCREEN LENGTH: ____ FT

PID WELL MOUTH: ____ PPM

WELL INTEGRITY:

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR	✓		

DRAWDOWN VOLUME: ____ GAL
(initial - final x 0.16 (2-inch) or x 0.65 (4-inch))

RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: ____

PRESSURE TO PUMP: ____ PSI

TOTAL VOL. PURGED: 2.5 GAL
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

REFILL TIMER SETTING: ____

DISCHARGE TIMER SETTING: ____

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1435	10.30	0100	15.0	0.166	9.47	4.16	44.2	217.3	67	
1445	10.99	0100	15.4	0.171	9.83	3.70	46.9	183.6	|	
1455	10.99	0100	15.7	0.171	9.99	3.67	41.3	171.6	|	
1505	11.00	0100	15.5	0.170	9.94	3.64	40.6	169.4	|	
1510	11.00	0100	15.5	0.170	9.90	3.64	41.2	169.4	|	
1515	11.00	0100	15.5	0.170	9.90	3.62	41.0	167.2	⊥	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BLADDER
- [x] PERISTALTIC
- [ ] GEOPUMP

TYPE OF TUBING
- [ ] TEFLON OR TEFLON LINED
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER ____

TYPE OF PUMP MATERIAL
- [ ] POLYVINYL CHLORIDE
- [ ] STAINLESS STEEL
- [ ] OTHER ____

TYPE OF BLADDER MATERIAL
- [ ] TEFLON
- [ ] OTHER ____

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other ____	____	____	____	[ ] ____
[ ] Other ____	____	____	____	[ ] ____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: (YES) NO

NUMBER OF GALLONS GENERATED: 2.5

LOCATION SKETCH

MW-09-16DOWXX

1515

NOTES

SIGNATURE: Lon Marla

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC-Ft. Inn
SAMPLE I.D. NUMBER: MW-17
ROUND NO.: R5
TIME: START 1315 END 1345
JOB NUMBER: 6251121007
DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER ______

PROTECTIVE CASING STICKUP (FROM GROUND): NA FT
PROTECTIVE CASING / WELL DIFFERENCE: NA FT

INITIAL DEPTH TO WATER: 14.20 FT
WELL DEPTH (TOR): 19.25 FT
PID AMBIENT AIR: PPM
WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: 14.25 FT
SCREEN LENGTH: 10 FT
PID WELL MOUTH: PPM

WELL INTEGRITY: YES / NO / N/A
CAP: YES
CASING: YES
LOCKED: YES
COLLAR:

DRAWDOWN VOLUME: GAL
(initial - final x 0.16 {2-inch} or x 0.65 {4-inch})
RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED:
PRESSURE TO PUMP: PSI

TOTAL VOL. PURGED: 2.0 GAL
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)
REFILL TIMER SETTING:
DISCHARGE TIMER SETTING:

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1315	14.20	100	14.8	0.060	7.42	5.50	12.6	217.2	16	
1320	14.25	100	15.1	0.052	5.83	5.06	7.28	213.4	|	
1325	14.25	100	15.4	0.049	5.23	4.93	7.26	297.3	|	
1330	14.25	100	15.4	0.049	5.15	4.91	4.39	308.6	|	
1335	14.27	100	15.5	0.049	5.06	4.81	4.36	315.2	|	
1340	14.25	100	15.5	0.049	5.06	4.81	3.64	315.2		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BLADDER
- [x] PERISTALTIC
- [ ] GEOPUMP

TYPE OF TUBING
- [ ] TEFLON OR TEFLON LINED
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER ______

TYPE OF PUMP MATERIAL
- [ ] POLYVINYL CHLORIDE
- [ ] STAINLESS STEEL
- [ ] OTHER ______

TYPE OF BLADDER MATERIAL
- [ ] TEFLON
- [ ] OTHER ______

ANALYTICAL PARAMETERS

To Be Collected

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other______	______	______	______	[ ] ______
[ ] Other______	______	______	______	[ ] ______

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: (YES) NO
NUMBER OF GALLONS GENERATED: 2.0

NOTES

SIGNATURE: Lou Marlow

LOCATION SKETCH

MW-09-17X000XX

1345

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-18D | ROUND NO.: R1

TIME: START 1245 END 1315 | JOB NUMBER: 625112007 | DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	16.90 FT	WELL DEPTH (TOR)	88.3 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	20.50 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED	2.0 GAL			PRESSURE TO PUMP	PSI
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT		
WELL DIAMETER	2 IN		
WELL INTEGRITY:	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			
DISCHARGE TIMER SETTING			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1245	16.90	0100	15.0	0.239	9.91	5.41	29.0	137.7	85	
1250	18.80	0100	15.0	0.250	10.10	5.09	26.1	129.4		
1255	18.90	0100	14.0	0.250	10.10	5.07	19.6	128.5		
1305	20.00	0100	13.9	0.251	10.10	4.92	19.4	122.6		
1310	20.50	0100	14.1	0.250	10.10	4.92	19.2	120.5		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[x] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Slm			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other_____				[ ] _____
[ ] Other_____				[ ] _____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO | NUMBER OF GALLONS GENERATED: 20

LOCATION SKETCH

MW-09-18D000XX

1315

NOTES

SIGNATURE: Lw Mahn

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Lin | SAMPLE I.D. NUMBER: MW-19D | ROUND NO.: R1

TIME: START 1100 END 1130 | JOB NUMBER: 625112107 | DATE: 1-23-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [ ] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	17.45 FT	WELL DEPTH (TOR)	80.7 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	FT
FINAL DEPTH TO WATER	17.60 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	GAL			PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	FT	
WELL DIAMETER	IN	
WELL INTEGRITY:	YES	NO	N/A
CAP	___	___	___
CASING	___	___	___
LOCKED	___	___	___
COLLAR	___	___	___
DISCHARGE TIMER SETTING			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1100	17.45	100	18.5	0.099	5.84	4.00	32.6	259.1	77	
1105	17.60	100	19.1	0.102	5.99	3.84	20.4	244.0		
1110	17.60	100	19.3	0.102	6.01	3.73	27.2	233.10		
1115	17.60	100	19.2	0.102	6.02	3.72	30.1	223.1		
1120	17.60	100	19.2	0.102	6.02	3.72	28.3	221.9		
1125	17.60	100	19.2	0.102	6.02	3.72	27.9	221.9		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[x] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x]	VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ]	1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ]	Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ]	Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ]	Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ]	Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ]	Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ]	Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ]	TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ]	TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ]	Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ]	Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ]	Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ]	Other_____	_____	_____	_____	[ ] _____
[ ]	Other_____	_____	_____	_____	[ ] _____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO

NUMBER OF GALLONS GENERATED: 2.0

NOTES

SIGNATURE: Lou Mark

LOCATION SKETCH

MW-09-19D000XX

1130

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-20 | ROUND NO.: R1

TIME: START 1505 END 1615 | JOB NUMBER: 625112007 | DATE: 1-27-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	13.05 FT	WELL DEPTH (TOR)	26.90 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	13.42 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED	4.0 GAL			PRESSURE TO PUMP	PSI
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT		
WELL DIAMETER	2 IN		
WELL INTEGRITY:	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			
DISCHARGE TIMER SETTING			

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1505	13.05	0100	17.3	0.203	10.50	2.40	177	-36.7	22	
1525	13.40	0100	17.6	0.164	10.17	1.66	167	-41.0		
1545	13.40	0100	17.7	0.124	9.51	2.62	112	-16.7		
1600	13.42	0100	17.6	0.120	9.33	2.91	70.2	-7.6		
1605	13.42	0100	17.6	0.120	9.37	2.78	32.1	-0.4		
1615	13.42	0100	17.6	0.120	9.35	2.76	30.6	-0.4		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[x] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[ ] Total Metals	6010B	HNO3	1 X 250 mL P	[ ] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[x] Other Metals				[x] Metals
[x] Other SVOCs				[x] SVOCs

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO

NUMBER OF GALLONS GENERATED: 4.0

NOTES

SIGNATURE: [signature]

LOCATION SKETCH

1645

MW-05-20 X OW XX

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-03-21 | ROUND NO.: 1

TIME: START 1517 END 1557 | JOB NUMBER: 625121007 | DATE: 1-22-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [x] TOP OF WELL CASING [ ] TOP OF PROTECTIVE CASING [ ] OTHER

INITIAL DEPTH TO WATER	13.20 FT	WELL DEPTH (TOR)	26.98 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	13.25 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	2.0 GAL			PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT	
WELL DIAMETER	2 IN	
WELL INTEGRITY:	YES	NO / N/A
CAP	✓	
CASING	✓	
LOCKED	✓	
COLLAR		
DISCHARGE TIMER SETTING		

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
15:17	13.20	200	16.98	0.029	5.15	12.75	1000+	129.5	25	
15:37	13.20	250	17.88	0.028	4.94	11.52	24.8	107.3		
15:47	13.25	250	17.93	0.028	4.94	10.69	8.65	107.8		
15:57	13.25	250	17.98	0.028	4.93	9.78	4.73	108.0		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[✓] PERISTALTIC	[✓] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER
[ ] GEOPUMP	[ ] OTHER	[ ] OTHER	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[ ] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[ ] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[✓] Total Metals	6010B	HNO3	1 X 250 mL P	[✓] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other				[ ]
[ ] Other				[ ]

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: (YES) NO

NUMBER OF GALLONS GENERATED: 2.0

LOCATION SKETCH

MW-03-21 X 000 XX @ 16:00

NOTES

SIGNATURE:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn | SAMPLE I.D. NUMBER: MW-22 | ROUND NO.: R1

TIME: START 1005 END 1040 | JOB NUMBER: 62512121007 | DATE: 1-29-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER _____

INITIAL DEPTH TO WATER	15.06 FT	WELL DEPTH (TOR)	24.90 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	15.15 FT	SCREEN LENGTH	FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	2.0 GAL			PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT
WELL DIAMETER	2 IN

WELL INTEGRITY:	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			

DISCHARGE TIMER SETTING:

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1005	15.10	100	18.1	0.049	4.58	6.01	12.7	313.5	22	
1015	15.12	100	18.2	0.050	4.55	5.61	8.35	325.3	22	
1020	15.12	100	18.2	0.050	4.57	5.60	7.42	324.0	22	
1025	15.14	100	18.2	0.051	4.58	5.60	7.40	324.0	22	
1030	15.14	100	18.2	0.051	4.58	5.61	7.22	322.1	22	
1035	15.14	100	18.2	0.051	4.56	5.60	7.21	322.1	22	
1040	15.15	100	18.2	0.050	4.57	5.61	7.20	322.1	22	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER _____
[ ] GEOPUMP	[ ] OTHER _____	[ ] OTHER _____	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[ ] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[ ] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[x] Total Metals	6010B	HNO3	1 X 250 mL P	[x] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other _____	_____	_____	_____	[ ] _____
[ ] Other _____	_____	_____	_____	[ ] _____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED (YES) NO

NUMBER OF GALLONS GENERATED: 2.0

NOTES

SIGNATURE: _____

LOCATION SKETCH

MW-04 - 22 X XXX X

1040

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Inn
SAMPLE I.D. NUMBER: MW-23
ROUND NO. RI
TIME: START 1015 END 1040
JOB NUMBER: 6251121007
DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
- [x] TOP OF WELL CASING
- [ ] TOP OF PROTECTIVE CASING
- [ ] OTHER ____

INITIAL DEPTH TO WATER: 13.43 FT
FINAL DEPTH TO WATER: 13.63 FT
DRAWDOWN VOLUME: ____ GAL
(initial - final x 0.16 {2-inch} or x 0.65 {4-inch})
TOTAL VOL. PURGED: ____ GAL
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

WELL DEPTH (TOR): 24.47 FT
SCREEN LENGTH: ____ FT
RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: ____

PROTECTIVE CASING STICKUP (FROM GROUND): NA FT
PID AMBIENT AIR: ____ PPM
PID WELL MOUTH: ____ PPM
PRESSURE TO PUMP: ____ PSI
REFILL TIMER SETTING: ____

PROTECTIVE CASING / WELL DIFFERENCE: NA FT
WELL DIAMETER: 2 IN

WELL INTEGRITY:

	YES	NO	N/A
CAP	✓		
CASING	✓		
LOCKED	✓		
COLLAR			

DISCHARGE TIMER SETTING: ____

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1015	13.43	100	18.0	0.046	4.54	5.03	15.0	351.2	20	
1020	13.62	100	18.0	0.046	4.53	5.06	11.8	351.5	20	
1025	13.63	100	18.0	0.047	4.52	5.15	9.29	373.0	20	
1030	13.63	100	18.0	0.047	4.52	5.09	7.74	393.4	20	
1035	13.63	100	18.0	0.047	4.52	5.10	6.57	393.6	20	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
- [ ] BLADDER
- [x] PERISTALTIC
- [ ] GEOPUMP

TYPE OF TUBING
- [ ] TEFLON OR TEFLON LINED
- [x] HIGH DENSITY POLYETHYLENE
- [ ] OTHER ____

TYPE OF PUMP MATERIAL
- [ ] POLYVINYL CHLORIDE
- [ ] STAINLESS STEEL
- [ ] OTHER ____

TYPE OF BLADDER MATERIAL
- [ ] TEFLON
- [ ] OTHER ____

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs (crossed out, "LM")	8260	HCL / 4 DEG. C	3 X 40 mL AG	[ ] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[x] Total Metals	6010B	HNO3	1 X 250 mL P	[x] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other____				[ ] ____
[ ] Other____				[ ] ____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: (YES) NO
NUMBER OF GALLONS GENERATED: 2.0

LOCATION SKETCH

MW-03-23XOWXX
XD
1040
MS
MD

NOTES

SIGNATURE: [signature]

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: RBTC - Ft. Lyon | SAMPLE I.D. NUMBER: MW-02-24 | ROUND NO.: 1

TIME: START 930 END 1005 | JOB NUMBER: 0251121007 | DATE: 1-28-15

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [x] TOP OF WELL CASING [ ] TOP OF PROTECTIVE CASING [ ] OTHER

INITIAL DEPTH TO WATER	19.00 FT	WELL DEPTH (TOR)	24.43 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT
FINAL DEPTH TO WATER	19.40 FT	SCREEN LENGTH	10 FT	PID AMBIENT AIR	PPM
DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))	GAL	RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED		PID WELL MOUTH	PPM
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	2.0 GAL			PRESSURE TO PUMP	PSI
				REFILL TIMER SETTING	

PROTECTIVE CASING / WELL DIFFERENCE	NA FT			
WELL DIAMETER	2 IN			
WELL INTEGRITY:	YES	NO	N/A	
CAP	✓			
CASING	✓			
LOCKED COLLAR	✓			
DISCHARGE TIMER SETTING				

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
9:30	19.00	200	15.64	0.115	4.40	12.07	56.2	227.5	23'	
9:40	19.35	200	15.75	0.116	4.40	11.48	6.90	226.6		
9:45	19.37	200	15.95	0.122	4.34	10.95	6.19	226.8		
9:50	19.39	200	15.61	0.130	4.35	10.92	6.15	225.8		
9:55	19.40	200	16.16	0.134	4.33	10.59	3.98	225.5		
10:00	19.40	200	16.01	0.137	4.32	10.26	2.10	225.3		
			Sampled @		10:05					

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
[ ] BLADDER	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[x] PERISTALTIC	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER
[ ] GEOPUMP	[ ] OTHER	[ ] OTHER	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
[x] VOCs	8260	HCL / 4 DEG. C	3 X 40 mL AG	[x] VOCs
[ ] 1,4 Dioxane	8260 Sim			[ ] 1,4 Dioxane
[ ] Sulfide	SM4500	NaOH + Zinc Aceton	1 X 125 mL P	[ ] Sulfide
[ ] Nitrogen/Nitrate/Nitrite	353.2	HNO3 to pH <2	1 X 125 mL P	[ ] Nitrogen/Nitrate/Nitrite
[ ] Alkalinity	SM2310	4 DEG. C	1 X 250 mL P	[ ] Alkalinity
[ ] Sulfate	300	4 DEG. C	1 X 250 mL P	[ ] Sulfate
[ ] Hexavalent Chromium	218.7			[ ] Hexavalent Chromium
[ ] Oil and Grease	1664	HCL	2 X 1 AG	[ ] Oil and Grease
[ ] TDS	160.1	4 DEG. C	500mL P	[ ] TDS
[ ] TOC	9060	Phosphoric Acid	3 X 40 mL AG	[ ] TOC
[ ] Dissolved Metals (Lab Filtered)	6010B	HNO3	1 X 250 mL P	[ ] Dissolved Metals (Lab Filtered)
[x] Total Metals	6010B	HNO3	1 X 250 mL P	[x] Total Metals
[ ] Hydrogen	AM20 GAX		1 x 20 mL CG	[ ] Hydrogen
[ ] Other				[ ]
[ ] Other				[ ]

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: (YES) NO

NUMBER OF GALLONS GENERATED: 2.0

NOTES

SIGNATURE:

LOCATION SKETCH

MW-02-24 X 000 X X (2) / 0 0 5

Well Development Log

Well No.: MW-09-25

Client Name: RBTC	Project Name: Ft. INN	Checked By:
Well Installation Date: 7-13-15	Start Date:	Finish Date:
Well Development Date: 7-17-15	Start Time: 1140	Finish Time:

Initial Water Level (ft.): 8.90

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather: Warm, clear

TD 18.75

Height of Water Column: _____(ft.) x _____0.16 gal./ft. (2 in.) _____0.65 gal/ft. (4 in.) _____1.5 gal/ft. (6 in.) _____gal/ft. (_____in.) = _____Well Volume (gal./ft.)

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	ORP Approximate ~~Pumping~~ Rate (gal/min.):	Turbidity (NTU's):	
5	1145	DRY					
8	1152	22.44	5.73	0.063	-79.7	62.5	2.07
12	1200	23.53	5.54	0.055	-117.1	38.1	1.04
15	1205	23.50	5.44	0.051	-134.7	12.3	0.22
18	1210	23.50	5.48	0.051	-171.8	9.8	0.22
20	1215	23.50	5.48	0.060	-171.8	7.6	

Notes:

Sampled at 1215

Well Developers Signature: Lee Mauk

AMEC
37 Villa Road, Suite 201
Greenville, South Carolina 29615
(864) 552-9624

COLOR TEC FIELD SCREENING FORM

Boring	Depth	Media	PID/FID Reading (ppm)	Time in Bath	Time of Reading	T-1		T-2		T-3	
						ctu	tube	ctu	tube	ctu	tube
PW-09-04 ✓				12:00	14:00	ND	LL				
PW-09-08 ✓				12100	1420	ND	LL				
PW-09-05 ✓				12:00	1425	ND	LL				
PW-09-03 ✓				1200	1430	ND	LL				
PW-09-01 ✓				1200 1454	1435	ND	LL				
PW-09-12 ✓				1454	1515	ND	LL				
PW-09-07 ✓				1454	1520	ND	LL				
PW-09-10 ✓				1454	1525	ND	LL				
PW-09-13 ✓				1454	1529	ND	LL				
SW-09-12 ✓				1454	1635	0.2	LL	<0.2	LL		
SW-09-08 ✓				1454	1540	ND	LL				
SW-09-13 ✓				1540	15 min	ND	LL				
SW-09-04 ✓				1540	15+	1.5	LL	1.2	LL		
SW-09-07 ✓				1540	15+	1.0	LL				
PW-09-06 ✓				1540	15+	ND					
SW-09-02 ✓				1440	15+	ND					
PW-09-09				1440	15+	ND					
PW-09-02				1440	15+	ND					
SW-09-05				1655	15+	1.0	LL	1.1	LL		
SW-09-09				1700	15+	ND					

AMEC
37 Villa Road, Suite 201
Greenville, South Carolina 29615
(864) 552-9624

COLOR TEC FIELD SCREENING FORM

Boring	Depth	Media	PID/FID Reading (ppm)	Time in Bath	Time of Reading	T-1		T-2		T-3	
						ctu	tube	ctu	tube	ctu	tube
SW-09-06				1705	~~1705~~ +15	0.8	LL	ND	LL		
SW-09-10				1710	+15	ND	LL				
PW-09-14				1712	+15	ND	LL				
SW-09-03				1714	+15	ND	LL				

APPENDIX B

EQUIPMENT CALIBRATION RECORDS

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC E&I

PROJECT: RBTC - Fountain Inn

DATE: 11/04/14

CREW ID OR TASK ID:

JOB NUMBER: 6251121007.02.01

SAMPLER SIGNATURE:

EQUIPMENT CALIBRATION		CALIBRATION INFORMATION			ACCEPTANCE
		STANDARD VALUE		METER VALUE	CRITERIA **
~~HORIBA~~ YSI MODEL NO. 556 MPS	pH	7.00/4.00	units	pH 7.91/3.93 units	+/- 10% of standard
UNIT ID NO.	Sp. Conductivity	1.413	mS/cm	Sp. Conductivity 1.442 mS/cm	+/- 10% of standard
	Redox	200.0	mV	Redox 193.2 mV	see note 1
	DO	NA	mg/L *	DO -- mg/L	+/- 10% of standard
	Thermometer Temperature	NA	deg. C	Temperature 21.21 deg. C	+/- 2.0 deg. C
TURBIDITY METER TYPE HANNA		<0.10	NTU (low)	0.18 NTU	within 0.3 NTU of
MODEL NO. HI 98703		15.0	NTU (mid)	14.6 NTU	the standard
UNIT ID NO. 1166		100	NTU (high)	100 NTU	+/- 10% of standard
PHOTOIONIZATION					
METER TYPE	Background	ppmv	Zero Air ppmv	Meter ppmv	within 5 ppmv of Zero
MODEL NO.	Span Gas	ppmv		Meter ppmv	+/- 10% of standard
UNIT ID NO.					
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2

MATERIALS RECORD	Lot Number	Calibration Fluids/	
Deionized Water Source:		Standard Source:	
Trip Blank Water Source:		Lot Numbers pH	
Sample Preservatives Source:		mV	
Disposable Filter Type:		Sp. Cond.	
Other		Turb.	

NOTES:

FIGURE 10

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)

** = If the meter reading is not within acceptance criteria, clean or replace probe and re-calibrate, or use a different meter if available. If project requirements necessitate use of the instrument, clearly document on all data sheets and log book entries that the specified parameter was not calibrated to the acceptance criteria.

1 = meter must read within specified range of the Zobell solution (usually 231 +/- 10 mv @ 25 deg C).

2 = specify acceptance criteria in the Notes section

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC E&I

PROJECT: RBTC Fountain Inn

DATE: 11/19/2014

CREW ID OR TASK ID:

JOB NUMBER: 62512007

SAMPLER SIGNATURE:

EQUIPMENT CALIBRATION		CALIBRATION INFORMATION			ACCEPTANCE
		STANDARD VALUE		METER VALUE	CRITERIA **
YSI HORIBA MODEL NO. Pro 1030	pH	7.00/4.00 units	pH	7.17/4.20 units	+/- 10% of standard
UNIT ID NO. 1199	Sp. Conductivity	mS/cm	Sp. Conductivity	mS/cm	+/- 10% of standard
	Redox	mV	Redox	mV	see note 1
	DO	mg/L *	DO	mg/L	+/- 10% of standard
	Thermometer Temperature	deg. C	Temperature	deg. C	+/- 2.0 deg. C
TURBIDITY METER TYPE Hanna C		<0.10 NTU (low)		0.17 NTU	within 0.3 NTU of
MODEL NO. HI 98703		15.0 NTU (mid)		14.7 NTU	the standard
UNIT ID NO. 1071		100 NTU (high)		101 NTU	+/- 10% of standard
PHOTOIONIZATION					
METER TYPE	Background ppmv	Zero Air ppmv	Meter	ppmv	within 5 ppmv of Zero
MODEL NO.	Span Gas	ppmv	Meter	ppmv	+/- 10% of standard
UNIT ID NO.					
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2

MATERIALS RECORD	Lot Number	Calibration Fluids/	
Deionized Water Source:		Standard Source:	
Trip Blank Water Source:		Lot Numbers pH	
Sample Preservatives Source:		mV	
Disposable Filter Type:		Sp. Cond.	
Other		Turb.	

NOTES:

FIGURE 10

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)

** = If the meter reading is not within acceptance criteria, clean or replace probe and re-calibrate, or use a different meter if available. If project requirements necessitate use of the instrument, clearly document on all data sheets and log book entries that the specified parameter was not calibrated to the acceptance criteria.

1 = meter must read within specified range of the Zobell solution (usually 231 +/- 10 mv @ 25 deg C).

2 = specify acceptance criteria in the Notes section

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC E&I

PROJECT RBTC Fenton Inn

DATE 11/20/2014

CREW ID OR TASK ID

JOB NUMBER 6251121007

SAMPLER SIGNATURE

EQUIPMENT CALIBRATION

CALIBRATION INFORMATION

		STANDARD VALUE		METER VALUE		ACCEPTANCE CRITERIA **
151 HORIBA MODEL NO. Pro 1030	pH	7.00/4.00	units	pH 6.89/4.10	units	+/- 10% of standard
UNIT ID NO. 1199	Sp. Conductivity	1.413	mS/cm	Sp. Conductivity 1.392	mS/cm	+/- 10% of standard
	Redox	NA	mV	Redox	mV	see note 1
	DO	NA	mg/L *	DO	mg/L	+/- 10% of standard
	Thermometer Temperature	NA	deg. C	Temperature 11.7°C	deg. C	+/- 2.0 deg. C
TURBIDITY METER TYPE Hanna		<0.10	NTU (low)	0.13	NTU	within 0.3 NTU of
MODEL NO. HI 98703		15.0	NTU (mid)	17.3	NTU	the standard
UNIT ID NO. 1071		100	NTU (high)	100	NTU	+/- 10% of standard

PHOTOIONIZATION

METER TYPE	Background ppmv	Zero Air ppmv	Meter ppmv		within 5 ppmv of Zero
MODEL NO.	Span Gas ppmv		Meter ppmv		+/- 10% of standard
UNIT ID NO.					
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2

MATERIALS RECORD

	Lot Number		
Deionized Water Source:		Calibration Fluids/ Standard Source:	
Trip Blank Water Source:		Lot Numbers pH	
Sample Preservatives Source:		mV	
Disposable Filter Type:		Sp. Cond.	
Other		Turb.	

NOTES:

FIGURE 10

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)

** = If the meter reading is not within acceptance criteria, clean or replace probe and re-calibrate, or use a different meter if available. If project requirements necessitate use of the instrument, clearly document on all data sheets and log book entries that the specified parameter was not calibrated to the acceptance criteria.

1 = meter must read within specified range of the Zobell solution (usually 231 +/- 10 mv @ 25 deg C).

2 = specify acceptance criteria in the Notes section

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC Environment & Infrastructure, Inc.

PROJECT: RBTC- Lincolnton, NC

DATE: 12-9-14

CREW ID OR TASK ID:

JOB NUMBER: 6251119660

SAMPLER SIGNATURE: Lori Manley

EQUIPMENT CALIBRATION

EQUIPMENT CALIBRATION	CALIBRATION INFORMATION	STANDARD VALUE		METER VALUE		ACCEPTANCE CRITERIA **
YSI MODEL NO. Pro	pH	4.0 / 7.0	units	pH 7.11	units	+/- 10% of standard
UNIT ID NO. 1199	Sp. Conductivity	1413	mS/cm	Sp. Conductivity	mS/cm	+/- 10% of standard
	Redox	—	mV	Redox —	mV	see note 1
	DO	—	mg/L *	DO —	mg/L	+/- 10% of standard
	Thermometer Temperature	—	deg. C	Temperature 7.2	deg. C	+/- 2.0 deg. C
TURBIDITY METER TYPE Hanna		0.10	NTU (low)	0.12	NTU	within 0.3 NTU of the standard
MODEL NO. HI 98703						
UNIT ID NO. 1071		750	NTU (high)	744	NTU	+/- 10% of standard

PHOTOIONIZATION

METER TYPE	Background ppmv	Zero Air ppmv	Meter ppmv		within 5 ppmv of Zero
MODEL NO.	Span Gas ppmv		Meter ppmv		+/- 10% of standard
UNIT ID NO.					

OTHER METER TYPE			see note 2
MODEL NO.			see note 2
UNIT ID NO.			see note 2
OTHER METER TYPE			see note 2
MODEL NO.			see note 2
UNIT ID NO.			see note 2

MATERIALS RECORD

	Lot Number		
Deionized Water Source:		Calibration Fluids/ Standard Source:	
Trip Blank Water Source:		Lot Numbers pH	
Sample Preservatives Source:		mV	
Disposable Filter Type:		Sp. Cond.	
Other		Turb.	

NOTES:

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)

** = If the meter reading is not within acceptance criteria, clean or replace probe and re-calibrate, or use a different meter if available. If project requirements necessitate use of the instrument, clearly document on all data sheets and log book entries that the specified parameter was not calibrated to the acceptance criteria.

1 = meter must read within specified range of the Zobell solution (usually 231 +/- 10 mv @ 25 deg C).

2 = specify acceptance criteria in the Notes section

CALIBRATION LOG
HI 98703

Instrument: HI 98703 | ES Number: 1099 | Serial#: 6996

Physical Calibration

Battery Check	90%
Backlight	OK
Date / Time	OK

Turbidity Calibration

Calibration Standard	Lot #	Exp. Date	Calibration Reading
<1.0 NTU	1863	Jun-17	<1.0 NTU
15.0 NTU	1852	Dec-16	15.0 NTU
100 NTU	1853	Dec-16	100 NTU
750 NTU	1854	Dec-16	750 NTU

Signature: MAE Date: 1/26/15

CALIBRATION LOG
HI 98703

Instrument: HI 98703 ES Number: 1130 (6236)

Physical Calibration

Battery Check	90%
Backlight	OK
Date / Time	OK

Turbidity Calibration

Calibration Standard	Lot #	Exp. Date	Calibration Reading
<1.0 NTU	1610	Nov-16	<1.0 NTU
15.0 NTU	1614	May-16	15.0 NTU
100 NTU	1598	May-16	100 NTU
750 NTU	1616	May-16	750 NTU

Signature: MAE Date: 1/26/15

CALIBRATION LOG
YSI Pro

Instrument: YSI Pro | Serial#14F100352/14E100275 | ES: 1209

Physical Calibration

Battery Check	100% Condition	Replace Date:	10/16/2014
DO Membrane	OK Condition	Replace Date:	10/12/2014

pH Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
pH 4.00	11080	6/27/2015	3.75	23.00	4.00
pH 7.00	10884	3/14/2015	6.62	23.00	7.00
pH 10.00	11215	9/3/2015	9.56	23.00	10.02

Conductivity Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
1413 µs/cm	10794	1/13/2015	1383	23.00	1413

Dissolved Oxygen Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
Saturated DO 100%	---	---	98.70%	23.00	97.20%

Oxygen Reduction Potential Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
200 mVolts	11061	6/17/2015	197.3	23.00	200

Signature: _____DSR_____ Date: _____1/26/15_____

CALIBRATION LOG
YSI 556

Instrument: YSI 556 Serial Number: 12B100176 ES: 1128

Physical Calibration

Battery Check	85%	Condition	Replace Date:	11/16/2014
DO Membrane	OK	Condition	Replace Date:	5/14/2014

pH Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
pH 4.00	11080	6/27/2015	3.89	22.00	4.01
pH 7.00	10884	3/14/2015	7.23	22.00	7.00
pH 10.00	10881	3/14/2015	9.73	22.00	9.98

Conductivity Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
1413 µs/cm	10794	1/13/2015	1768	22.00	1413

Dissolved Oxygen Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
Saturated DO 100%	---	---	89.9%	22.00	99%

Oxygen Reduction Potential

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
200 mVolts	11061	6/17/2015	195.80	22.00	200

Signature: _____DSR_____ Date: __1/26/2015_____

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC Environment & Infrastructure, Inc.

PROJECT: ~~RBTC- Lincolnton, NC~~ Ft. Inv

DATE: 1-27-15

CREW ID OR TASK ID: L

JOB NUMBER: 6251119660

SAMPLER SIGNATURE: Lw Mauk

EQUIPMENT CALIBRATION

EQUIPMENT CALIBRATION		CALIBRATION INFORMATION STANDARD VALUE		CALIBRATION INFORMATION METER VALUE		ACCEPTANCE CRITERIA **
YSI MODEL NO. Pro Plus	pH	4.0 / 7.0	units	4.17 / 7.10	units	+/- 10% of standard
UNIT ID NO. 1209	Sp. Conductivity	1413	mS/cm	1411	mS/cm	+/- 10% of standard
	Redox	200	mV	204	mV	see note 1
	DO	—	mg/L *	—	mg/L	+/- 10% of standard
	Thermometer Temperature	—	deg. C	Temperature 20.3	deg. C	+/- 2.0 deg. C
TURBIDITY METER TYPE Hanna		0.10	NTU (low)	0.11	NTU	within 0.3 NTU of the standard
MODEL NO. 98703						
UNIT ID NO. 1180		750	NTU (high)	751	NTU	+/- 10% of standard
PHOTOIONIZATION						
METER TYPE	Background	ppmv	Zero Air ppmv	Meter	ppmv	within 5 ppmv of Zero
MODEL NO.	Span Gas	ppmv		Meter	ppmv	+/- 10% of standard
UNIT ID NO.						
OTHER METER TYPE TVA-1000						see note 2
MODEL NO.						see note 2
UNIT ID NO. 1053						see note 2
OTHER METER TYPE						see note 2
MODEL NO.						see note 2
UNIT ID NO.						see note 2

MATERIALS RECORD

MATERIALS RECORD	Lot Number	Calibration Fluids/	
Deionized Water Source:		Standard Source:	
Trip Blank Water Source:		Lot Numbers pH	
Sample Preservatives Source:		mV	
Disposable Filter Type:		Sp. Cond.	
Other		Turb.	

NOTES:

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)

** = If the meter reading is not within acceptance criteria, clean or replace probe and re-calibrate, or use a different meter if available. If project requirements necessitate use of the instrument, clearly document on all data sheets and log book entries that the specified parameter was not calibrated to the acceptance criteria.

1 = meter must read within specified range of the Zobell solution (usually 231 +/- 10 mv @ 25 deg C).

2 = specify acceptance criteria in the Notes section

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC Environment & Infrastructure, Inc.

PROJECT: RBTC- ~~Lincolnton, NC~~

DATE: 1-27-15

CREW ID OR TASK ID: [illegible]

JOB NUMBER: 6251119660

SAMPLER SIGNATURE: Lw Maula

EQUIPMENT CALIBRATION

EQUIPMENT CALIBRATION		CALIBRATION INFORMATION STANDARD VALUE		CALIBRATION INFORMATION METER VALUE		ACCEPTANCE CRITERIA **
YSI MODEL NO. 556	pH	4.0 / 7.0	units	pH 3.97 / 7.02	units	+/- 10% of standard
UNIT ID NO. 1128	Sp. Conductivity	1413	mS/cm	Sp. Conductivity 1415	mS/cm	+/- 10% of standard
	Redox	200	mV	Redox 204.3	mV	see note 1
	DO	—	mg/L *	DO —	mg/L	+/- 10% of standard
	Thermometer Temperature	—	deg. C	Temperature 19.92	deg. C	+/- 2.0 deg. C
TURBIDITY METER TYPE Hanna		0.10	NTU (low)	0.13	NTU	within 0.3 NTU of the standard
MODEL NO. HI 98703						
UNIT ID NO. 1099		750	NTU (high)	752	NTU	+/- 10% of standard

PHOTOIONIZATION

METER TYPE _____	Background _____ ppmv	Zero Air _____ ppmv	Meter _____ ppmv		within 5 ppmv of Zero
MODEL NO. _____	Span Gas _____ ppmv		Meter _____ ppmv		+/- 10% of standard
UNIT ID NO. _____					

OTHER METER TYPE _____			see note 2
MODEL NO. _____			see note 2
UNIT ID NO. _____			see note 2
OTHER METER TYPE _____			see note 2
MODEL NO. _____			see note 2
UNIT ID NO. _____			see note 2

MATERIALS RECORD

	Lot Number		
Deionized Water Source:		Calibration Fluids/ Standard Source:	
Trip Blank Water Source:		Lot Numbers pH	
Sample Preservatives Source:		mV	
Disposable Filter Type:		Sp. Cond.	
Other		Turb.	

NOTES:

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)

** = If the meter reading is not within acceptance criteria, clean or replace probe and re-calibrate, or use a different meter if available. If project requirements necessitate use of the instrument, clearly document on all data sheets and log book entries that the specified parameter was not calibrated to the acceptance criteria.

1 = meter must read within specified range of the Zobell solution (usually 231 +/- 10 mv @ 25 deg C).

2 = specify acceptance criteria in the Notes section

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC Environment & Infrastructure, Inc.

PROJECT: RBTC- ~~Lincolnton, NC~~ Ft. Inn

DATE: 1-28-15

CREW ID OR TASK ID:

JOB NUMBER: 6251119660

SAMPLER SIGNATURE: Lee Marlin

EQUIPMENT CALIBRATION

EQUIPMENT CALIBRATION	CALIBRATION INFORMATION	STANDARD VALUE		METER VALUE		ACCEPTANCE CRITERIA **
YSI MODEL NO. Pro Plus	pH	4.0 / 7.0	units	pH 4.21 / 7.11	units	+/- 10% of standard
UNIT ID NO. 1209	Sp. Conductivity	1413	mS/cm	Sp. Conductivity 1413	mS/cm	+/- 10% of standard
	Redox	200	mV	Redox 209	mV	see note 1
	DO	—	mg/L *	DO —	mg/L	+/- 10% of standard
	Thermometer Temperature	—	deg. C	Temperature 20.5	deg. C	+/- 2.0 deg. C
TURBIDITY METER TYPE Hanna		0.10	NTU (low)	0.10	NTU	within 0.3 NTU of the standard
MODEL NO. 98703						
UNIT ID NO. 1180		750	NTU (high)	751	NTU	+/- 10% of standard

PHOTOIONIZATION

METER TYPE	Background ppmv	Zero Air ppmv	Meter ppmv		within 5 ppmv of Zero
MODEL NO.	Span Gas ppmv		Meter ppmv		+/- 10% of standard
UNIT ID NO.					
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2

MATERIALS RECORD

	Lot Number		
Deionized Water Source:		Calibration Fluids/ Standard Source:	
Trip Blank Water Source:		Lot Numbers pH	
Sample Preservatives Source:		mV	
Disposable Filter Type:		Sp. Cond.	
Other		Turb.	

NOTES:

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1 = meter must read within specified range of the Zobell solution (usually 231 +/- 10 mv @ 25 deg C).

2 = specify acceptance criteria in the Notes section

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC Environment & Infrastructure, Inc.

PROJECT: RBTC- ~~Lincolnton, NC~~ Ft. Jnn, SC

DATE: 1-28-15

CREW ID OR TASK ID:

JOB NUMBER: 6251119660

SAMPLER SIGNATURE: Lon Mala

EQUIPMENT CALIBRATION

EQUIPMENT CALIBRATION		CALIBRATION INFORMATION			ACCEPTANCE
		STANDARD VALUE	METER VALUE		CRITERIA **
YSI MODEL NO. 556	pH	4.0 / 7.0 units	pH 3.85 / 7.04	units	+/- 10% of standard
UNIT ID NO. 1128	Sp. Conductivity	1413 mS/cm	Sp. Conductivity 1411	mS/cm	+/- 10% of standard
	Redox	200 mV	Redox 208	mV	see note 1
	DO	— mg/L *	DO —	mg/L	+/- 10% of standard
	Thermometer Temperature	— deg. C	Temperature 19.94	deg. C	+/- 2.0 deg. C
TURBIDITY METER TYPE Hanna		0.10 NTU (low)	0.13	NTU	within 0.3 NTU of
MODEL NO. HI98703					the standard
UNIT ID NO. 1099		750 NTU (high)	752	NTU	+/- 10% of standard
PHOTOIONIZATION					
METER TYPE	Background ppmv	Zero Air ppmv	Meter	ppmv	within 5 ppmv of Zero
MODEL NO.	Span Gas	ppmv	Meter	ppmv	+/- 10% of standard
UNIT ID NO.					
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2
OTHER METER TYPE					see note 2
MODEL NO.					see note 2
UNIT ID NO.					see note 2

MATERIALS RECORD

MATERIALS RECORD	Lot Number	Calibration Fluids/
Deionized Water Source:		Standard Source:
Trip Blank Water Source:		Lot Numbers pH
Sample Preservatives Source:		mV
Disposable Filter Type:		Sp. Cond.
Other		Turb.

NOTES:

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)

** = If the meter reading is not within acceptance criteria, clean or replace probe and re-calibrate, or use a different meter if available. If project requirements necessitate use of the instrument, clearly document on all data sheets and log book entries that the specified parameter was not calibrated to the acceptance criteria.

1 = meter must read within specified range of the Zobell solution (usually 231 +/- 10 mv @ 25 deg C).

2 = specify acceptance criteria in the Notes section

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC Environment & Infrastructure, Inc.

PROJECT: RBTC- ~~Lincolnton, NC~~ Ft. Inn, SC
DATE: 1-29-15

CREW ID OR TASK ID:
JOB NUMBER: 6251119660

SAMPLER SIGNATURE: Lu Maven

EQUIPMENT CALIBRATION

CALIBRATION INFORMATION

Equipment		Standard Value		Meter Value		Acceptance Criteria **
YSI MODEL NO. Pro Plus	pH	4.0 / 7.0 units	pH	4.14 / 7.14 units		+/- 10% of standard
UNIT ID NO. 1209	Sp. Conductivity	1413 mS/cm	Sp. Conductivity	1,37 mS/cm		+/- 10% of standard
	Redox	200 mV	Redox	205.1 mV		see note 1
	DO	— mg/L *	DO	— mg/L		+/- 10% of standard
	Thermometer Temperature	— deg. C	Temperature	20.3 deg. C		+/- 2.0 deg. C

	Standard		Meter		Acceptance Criteria **
TURBIDITY METER TYPE Hanna	0.1	NTU (low)	0.17	NTU	within 0.3 NTU of the standard
MODEL NO. 98703					
UNIT ID NO. 1099	750	NTU (high)	754	NTU	+/- 10% of standard

PHOTOIONIZATION

				Acceptance Criteria **
METER TYPE ______	Background ___ ppmv	Zero Air ___ ppmv	Meter ______ ppmv	within 5 ppmv of Zero
MODEL NO. ______	Span Gas ______ ppmv		Meter ______ ppmv	+/- 10% of standard
UNIT ID NO. ______				

	Standard	Meter	Acceptance Criteria **
OTHER METER TYPE ______	______	______	see note 2
MODEL NO. ______	______	______	see note 2
UNIT ID NO. ______	______	______	see note 2
OTHER METER TYPE ______	______	______	see note 2
MODEL NO. ______	______	______	see note 2
UNIT ID NO. ______	______	______	see note 2

MATERIALS RECORD

	Source	Lot Number
Deionized Water Source:		
Trip Blank Water Source:		
Sample Preservatives Source:		
Disposable Filter Type:		
Other		

Calibration Fluids/ Standard Source: ______

Lot Numbers
- pH ______
- mV ______
- Sp. Cond. ______
- Turb. ______

NOTES:

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)

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2 = specify acceptance criteria in the Notes section

EASTERN SOLUTIONS, LLC
(803) 746-5180
PACKING LIST
Hach 2100Q

ES #: 1281

Date: 7/14/15

Standard Items	Prepared	QC Check	Received By	Return
Hach 2100Q	✓			
Manual	✓			
Calibration Standards (.10, 20, 100, 800)	✓			
Sample Vials (3)	✓			
Silicone Oil	✓			
Cleaning Cloth	✓			
Spare Batteries	✓			
Calibration Sticker				

Prepared By: LMS

QC Check:

Date:

CALIBRATION LOG
HACH 2100Q

ES Number: 1281 Date: 2/16/15

Physical Calibration

S/N 14070C033789

Battery Check	100%
Backlight	OK
Date / Time	OK

Turbidity Calibration

Calibration Standard	Lot #	Exp. Date	Calibration Reading
10.0 NTU (Verification)	A4238	Nov-15	<1.0 NTU
20.0 NTU	A4238	Nov-15	15.0 NTU
100 NTU	A4231	Nov-15	100 NTU
800 NTU	A4226	Nov-15	800 NTU

Signature: _____LMS_____ Date: _____7/14/15_____

CALIBRATION LOG
Hanna 98194

Instrument: HANNA Serial Number:F0023349/K3434226 ES: 1335

Physical Calibration

Battery Check	100%	Condition	Replace Date:	New
DO Membrane	OK	Condition	Replace Date:	New

pH Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
pH 4.00	E078-15	3/26/2017	4.02	22.00	4.00
pH 7.00	E037-14	2/13/2017	7.03	22.00	7.00
pH 10.00	E009-04	1/12/2016	9.85	22.00	9.85

Conductivity Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
5000 µs/cm	11556	3/26/2016	4997	22.00	5000

Dissolved Oxygen Calibration

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
Saturated DO 100%	---	---	80.7%	22.00	98%

Oxygen Reduction Potential

Calibration Standard	Lot #	Exp. Date	Initial Reading	Temp. °C	Calibration Reading
600 mVolts	A5133	5/1/2016	581.20	22.00	600

Signature: LMS Date: 7/14/15

FIELD INSTRUMENTATION CALIBRATION RECORD

AMEC E&I

PROJECT: RBTC Ft INN | DATE: 7-17-15

CREW ID OR TASK ID: RI 2015 MW Install | JOB NUMBER: 6251121007

SAMPLER SIGNATURE: Lan Marla

EQUIPMENT CALIBRATION		CALIBRATION INFORMATION STANDARD VALUE		CALIBRATION INFORMATION METER VALUE		ACCEPTANCE CRITERIA **
~~HORIBA~~ Hanna MODEL NO. 98194	pH	6.78	units	6.76	units	+/- 10% of standard
UNIT ID NO. 1335	Sp. Conductivity	H0 0.30	mS/cm	0.028	mS/cm	+/- 10% of standard
	Redox	NA	mV	117.8	mV	see note 1
	DO	NA	mg/L *	7.88	mg/L	+/- 10% of standard
	Thermometer Temperature	NA	deg. C	Temperature 26.06	deg. C	+/- 2.0 deg. C
TURBIDITY METER TYPE Hach		10	NTU (low)	10.5	NTU	within 0.3 NTU of
MODEL NO. 2100Q		20		20.8		the standard
UNIT ID NO. 1281		100	NTU (high)	97.2	NTU	+/- 10% of standard
		~~800~~		785		
PHOTOIONIZATION						
METER TYPE	Background ppmv	Zero Air ppmv		Meter ppmv		within 5 ppmv of Zero
MODEL NO.	Span Gas ppmv			Meter ppmv		+/- 10% of standard
UNIT ID NO.						
OTHER METER TYPE						see note 2
MODEL NO.						see note 2
UNIT ID NO.						see note 2
OTHER METER TYPE						see note 2
MODEL NO.						see note 2
UNIT ID NO.						see note 2

MATERIALS RECORD	Lot Number	Calibration Fluids/
Deionized Water Source:		Standard Source:
Trip Blank Water Source:		Lot Numbers pH
Sample Preservatives Source:		mV
Disposable Filter Type:		Sp. Cond.
Other		Turb.

NOTES:

FIGURE 10

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)

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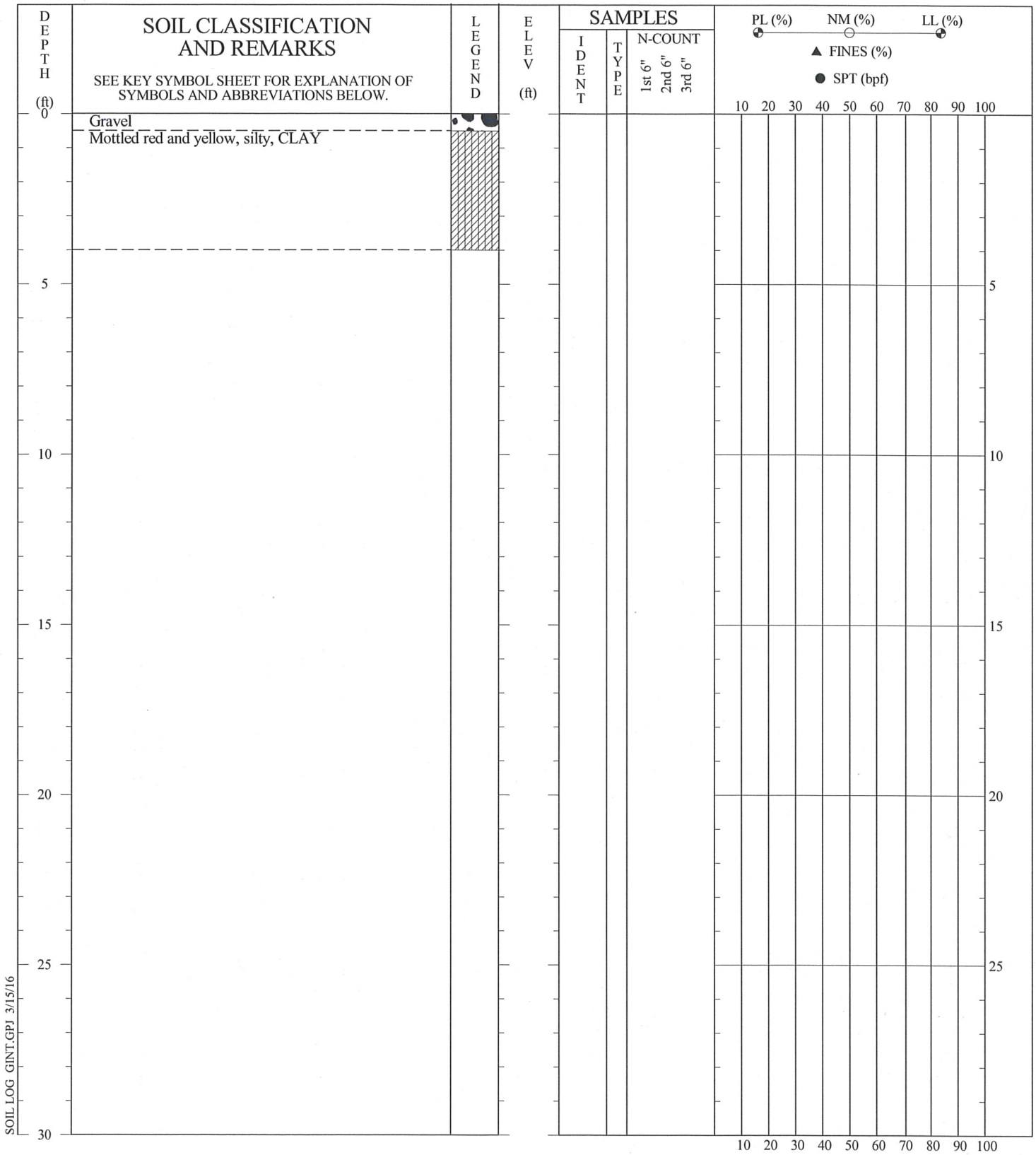
2 = specify acceptance criteria in the Notes section

APPENDIX C

SOIL BORING LOGS



SOIL LOG GINT.GPJ 3/15/16

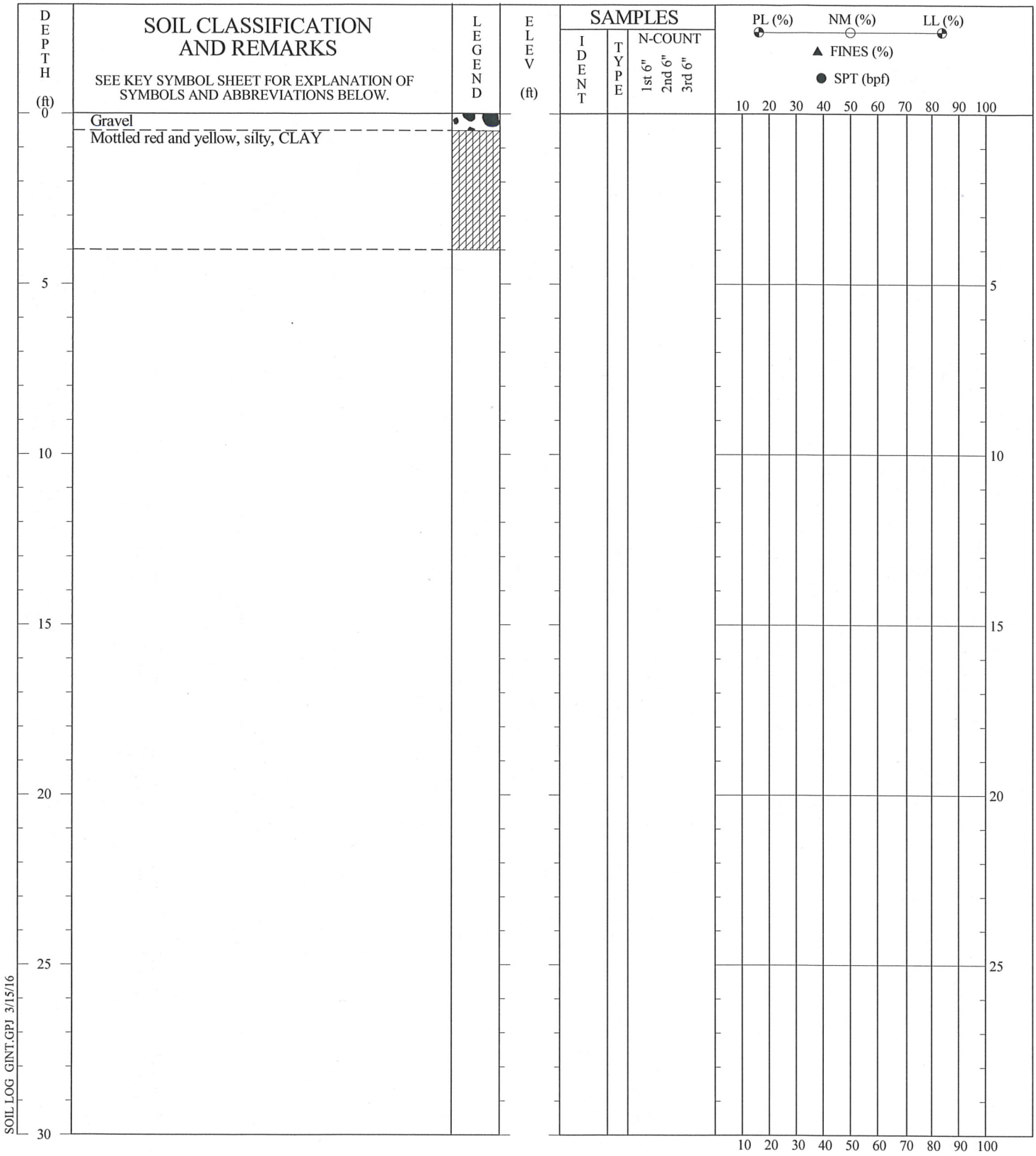
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-04-01
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

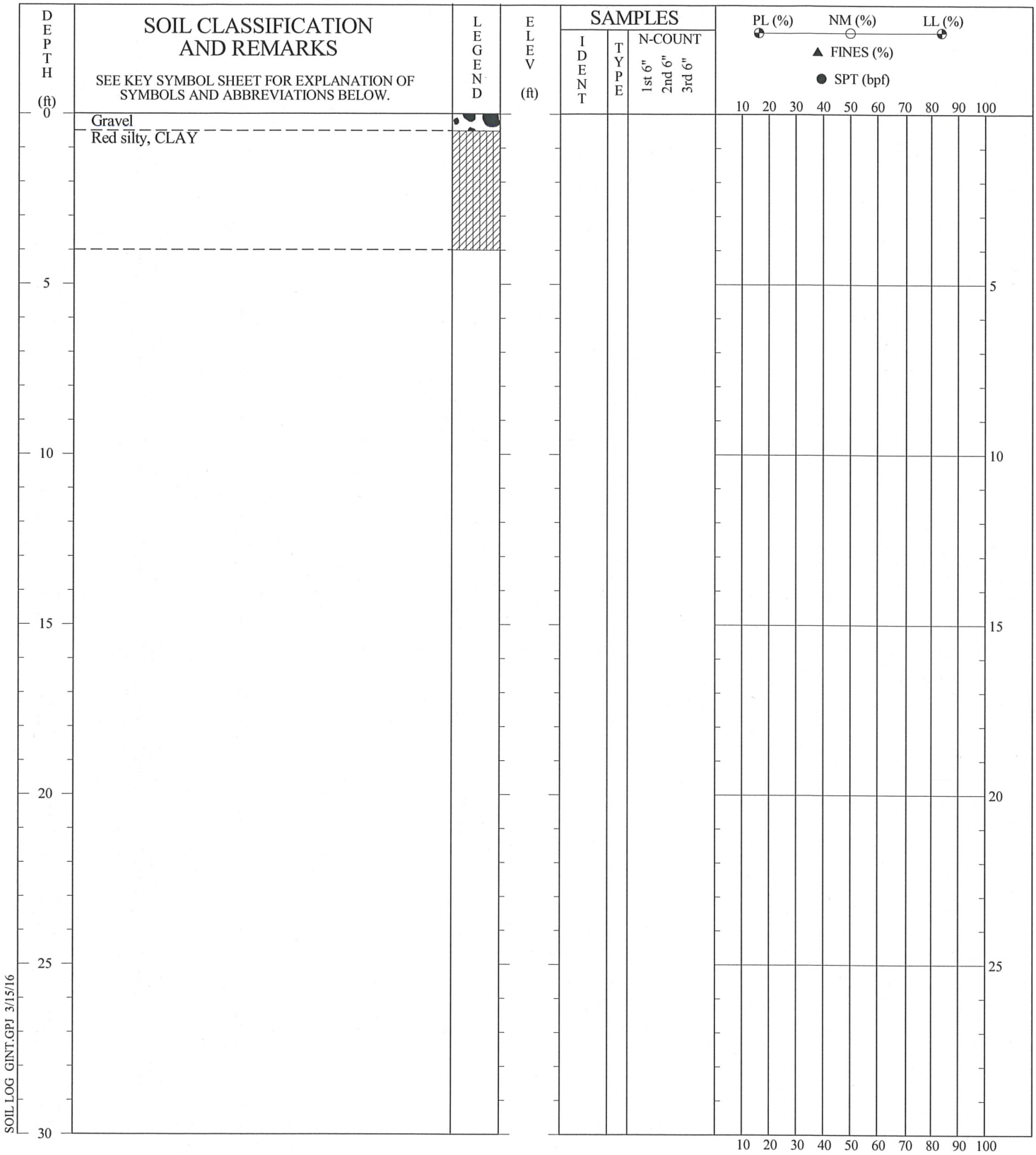
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-04-02
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

DRILLER: Probetech
EQUIPMENT: Geoprobe 6620DT
METHOD: Direct Push
HOLE DIA.: 2 inch
REMARKS:

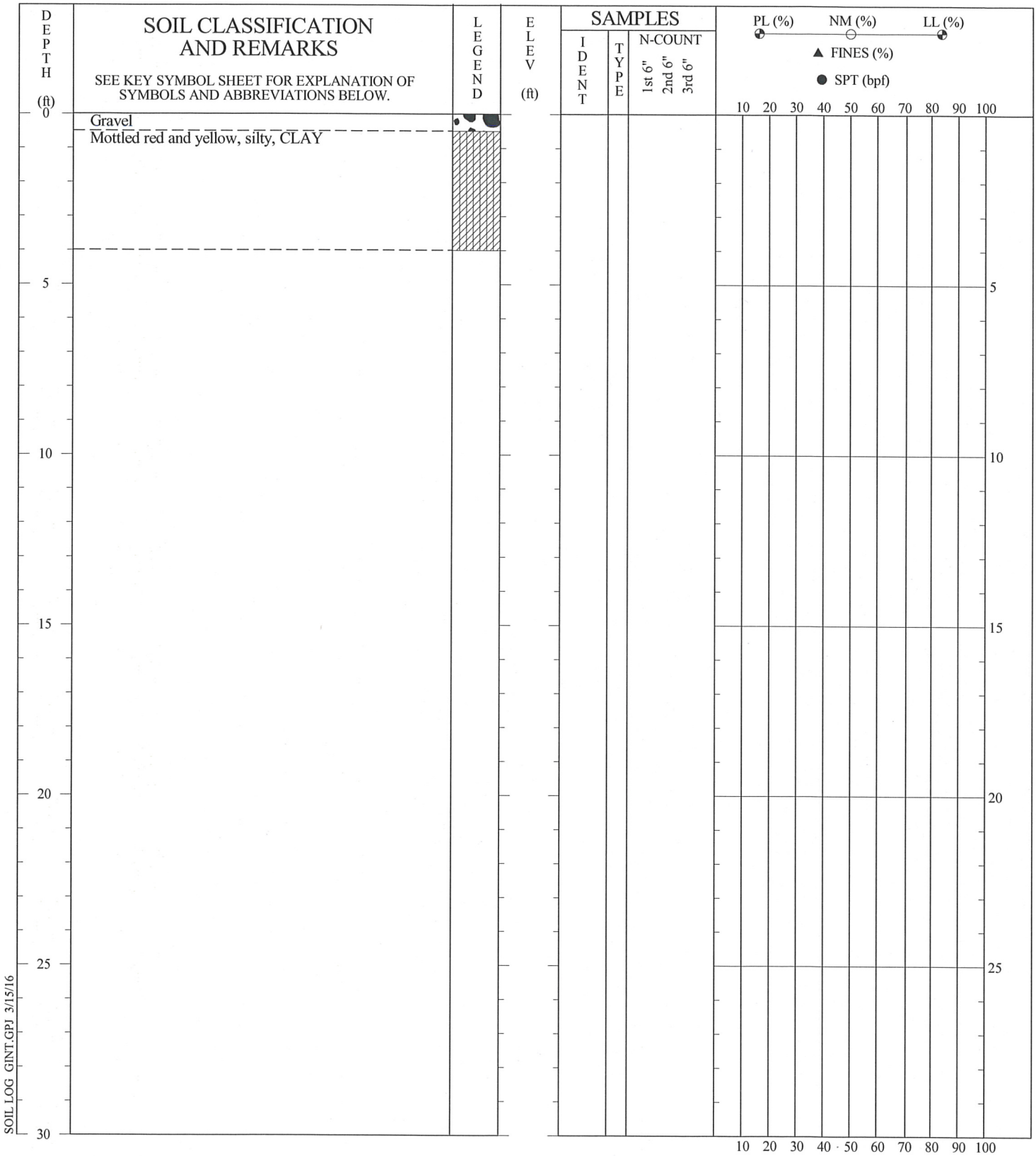
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-04-03
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

DRILLER: Probetech
EQUIPMENT: Geoprobe 6620DT
METHOD: Direct Push
HOLE DIA.: 2 inch
REMARKS:

PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-06-01
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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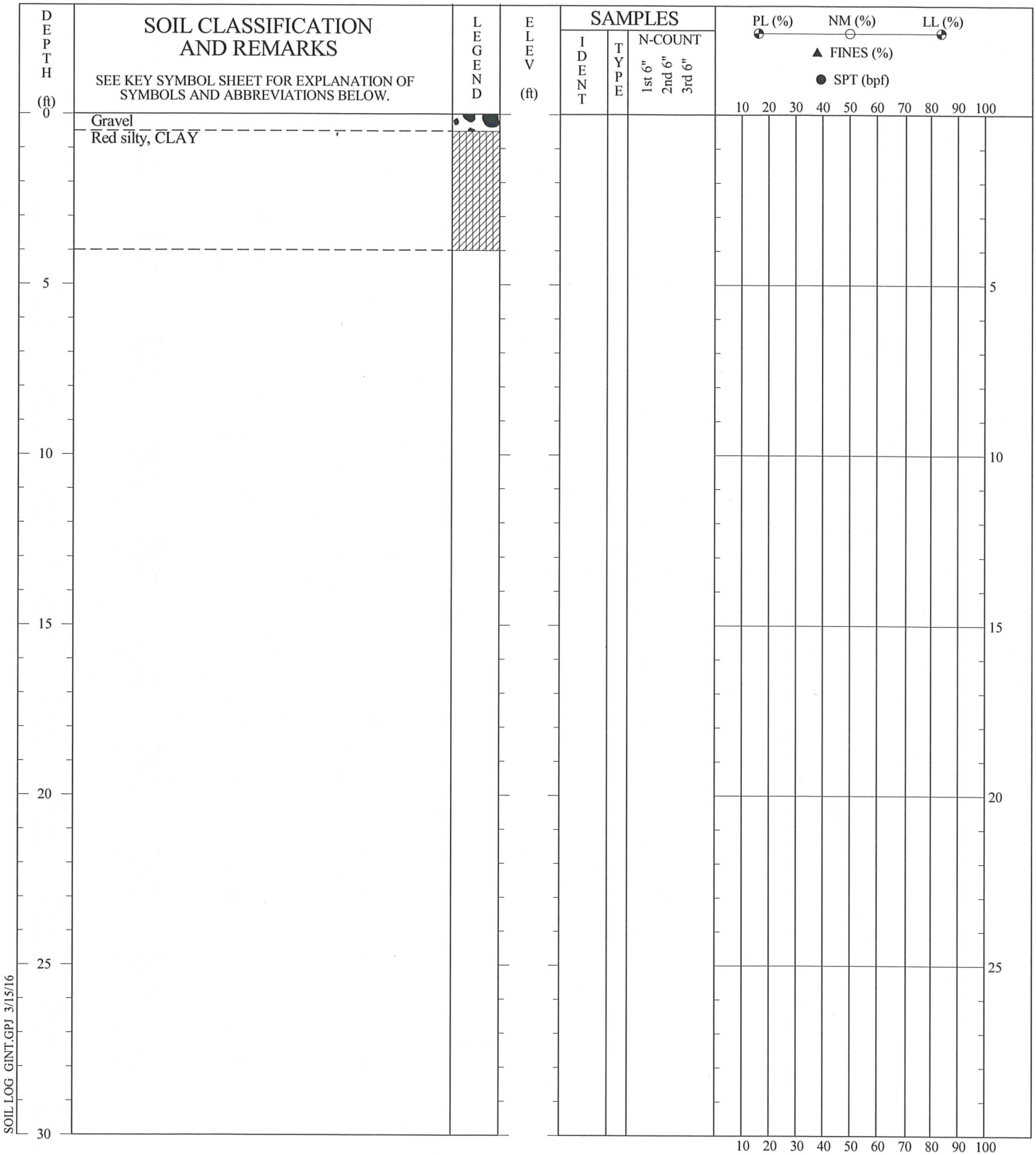


SOIL LOG GINT.GPJ 3/15/16

DRILLER: Probetech
EQUIPMENT: Geoprobe 6620DT
METHOD: Direct Push
HOLE DIA.: 2 inch
REMARKS:

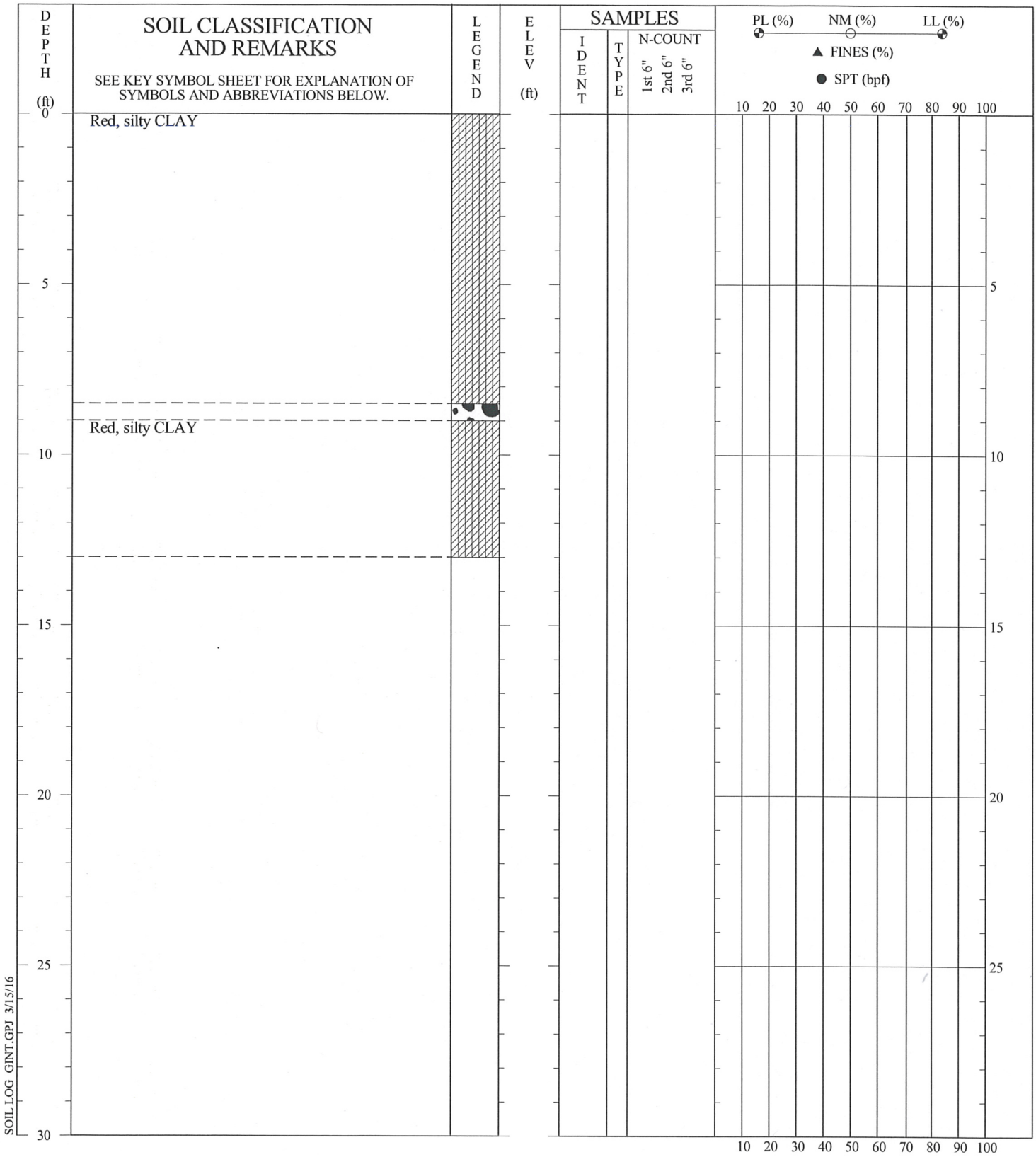
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-06-02
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE** 1 **OF** 1

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

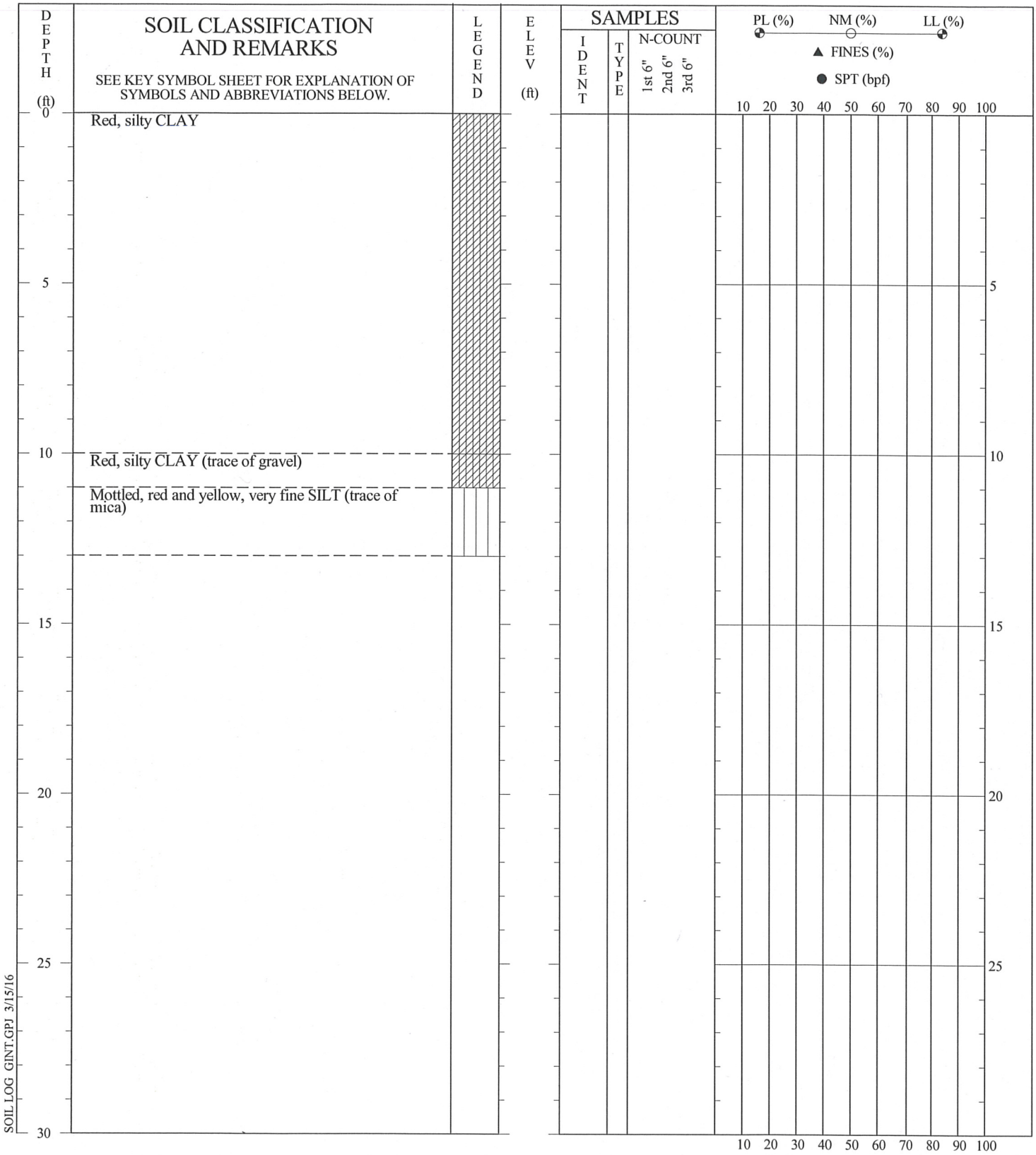
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-08-01
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

DRILLER: Probetech
EQUIPMENT: Geoprobe 6620DT
METHOD: Direct Push
HOLE DIA.: 2 inch
REMARKS:

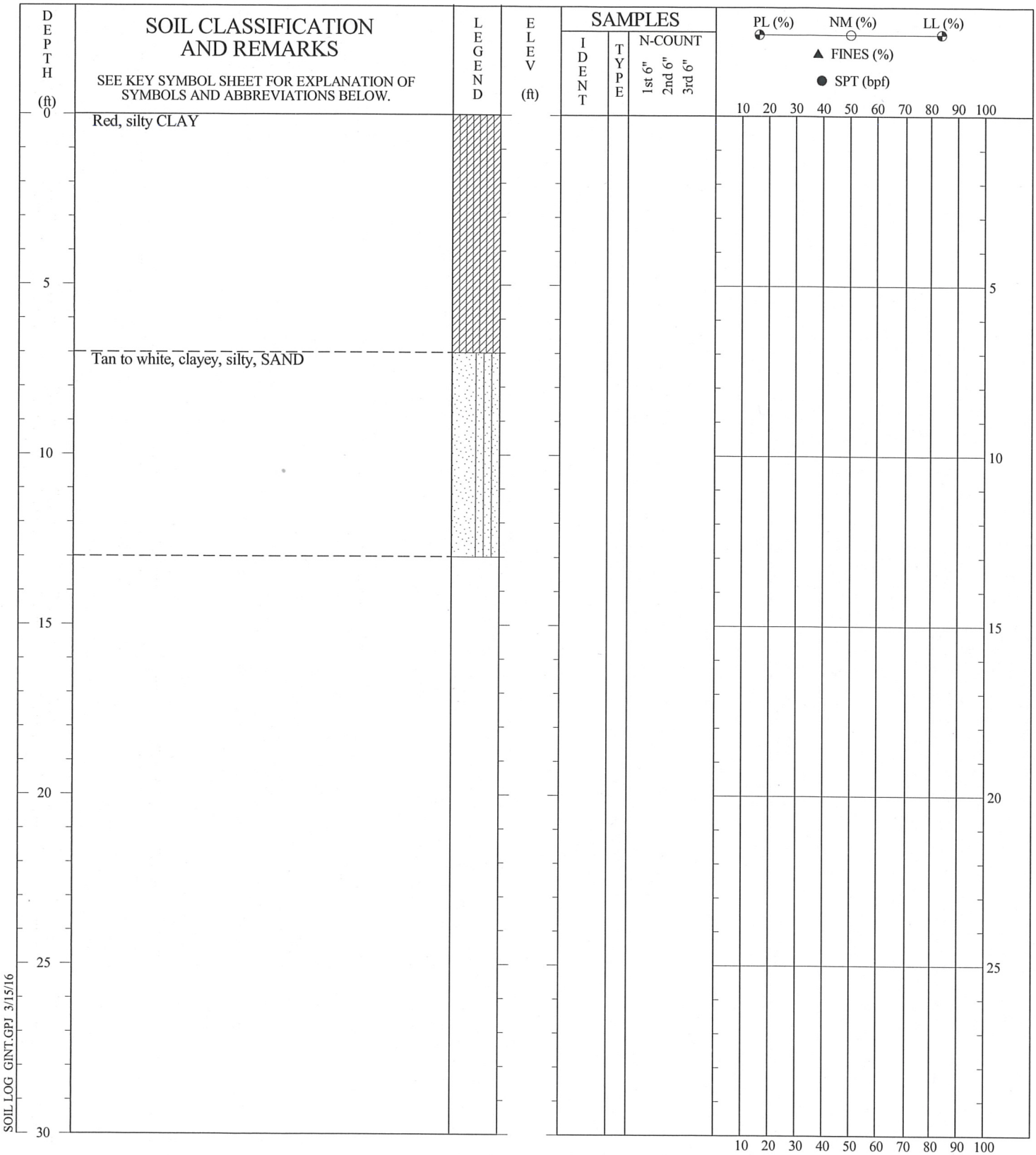
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-08-02
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

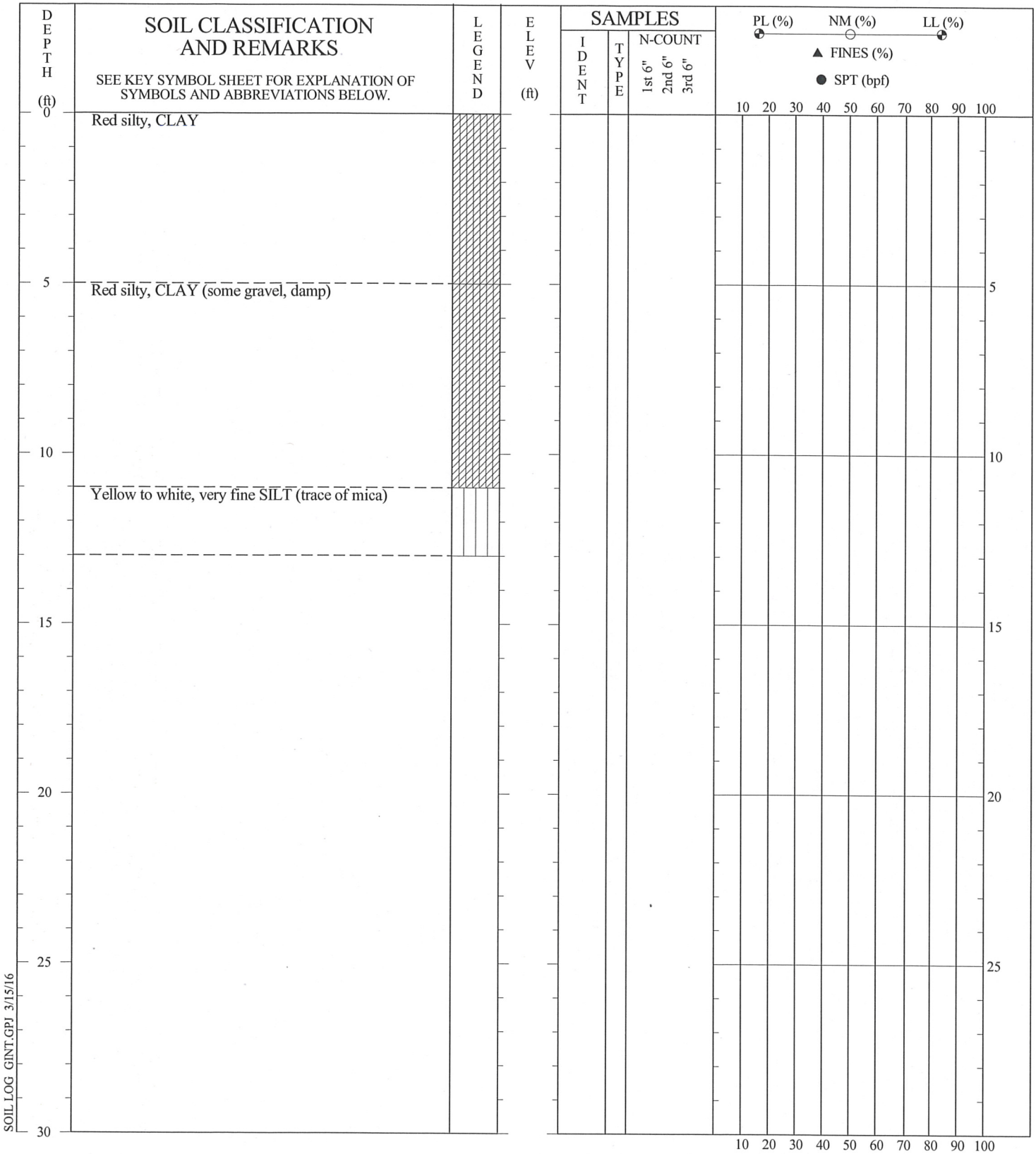
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-08-03
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

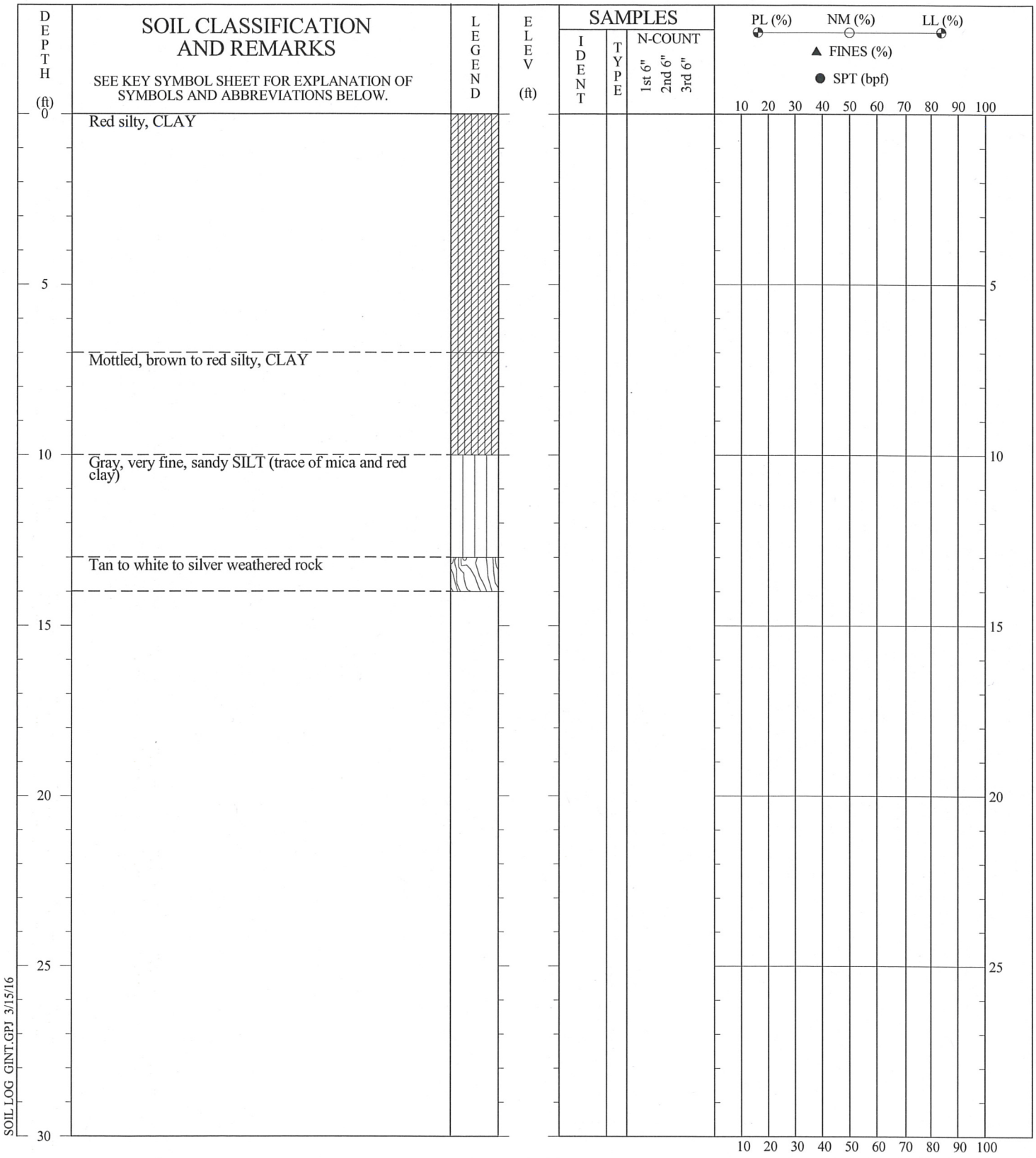
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-08-04
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

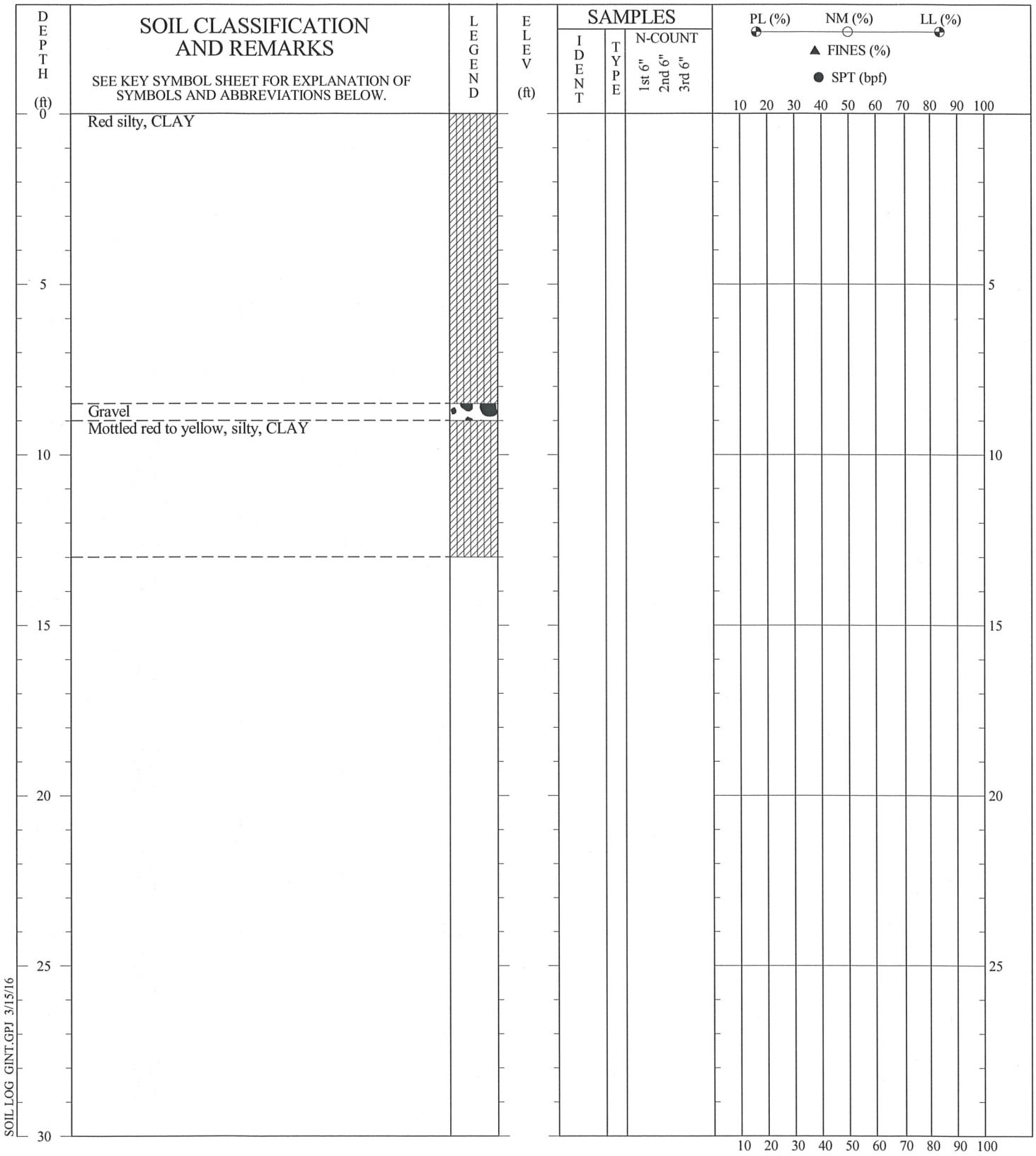
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-08-05
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE** 1 **OF** 1

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

DRILLER: Probetech
EQUIPMENT: Geoprobe 6620DT
METHOD: Direct Push
HOLE DIA.: 2 inch
REMARKS:

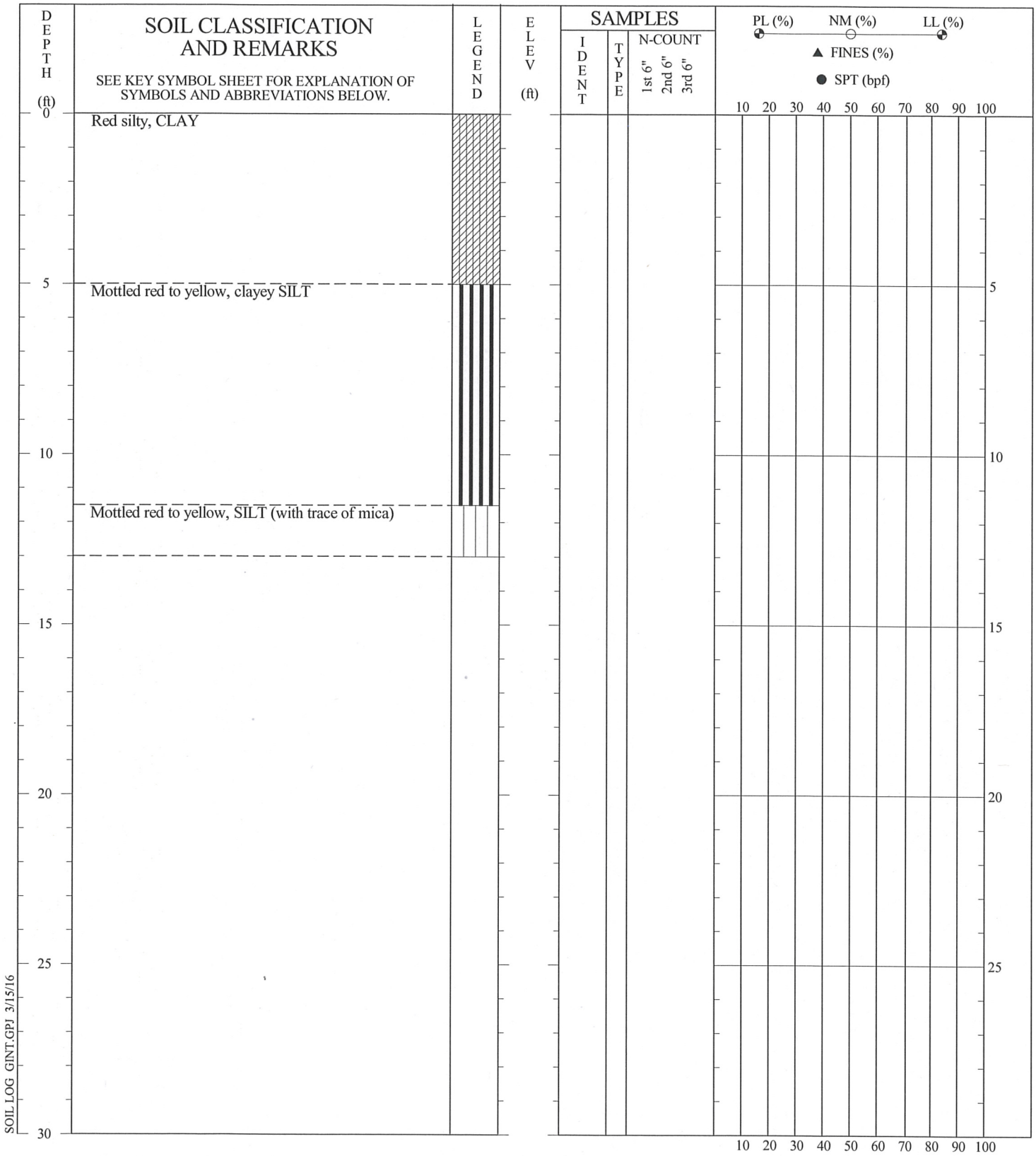
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-08-06
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

DRILLER: Probetech
EQUIPMENT: Geoprobe 6620DT
METHOD: Direct Push
HOLE DIA.: 2 inch
REMARKS:

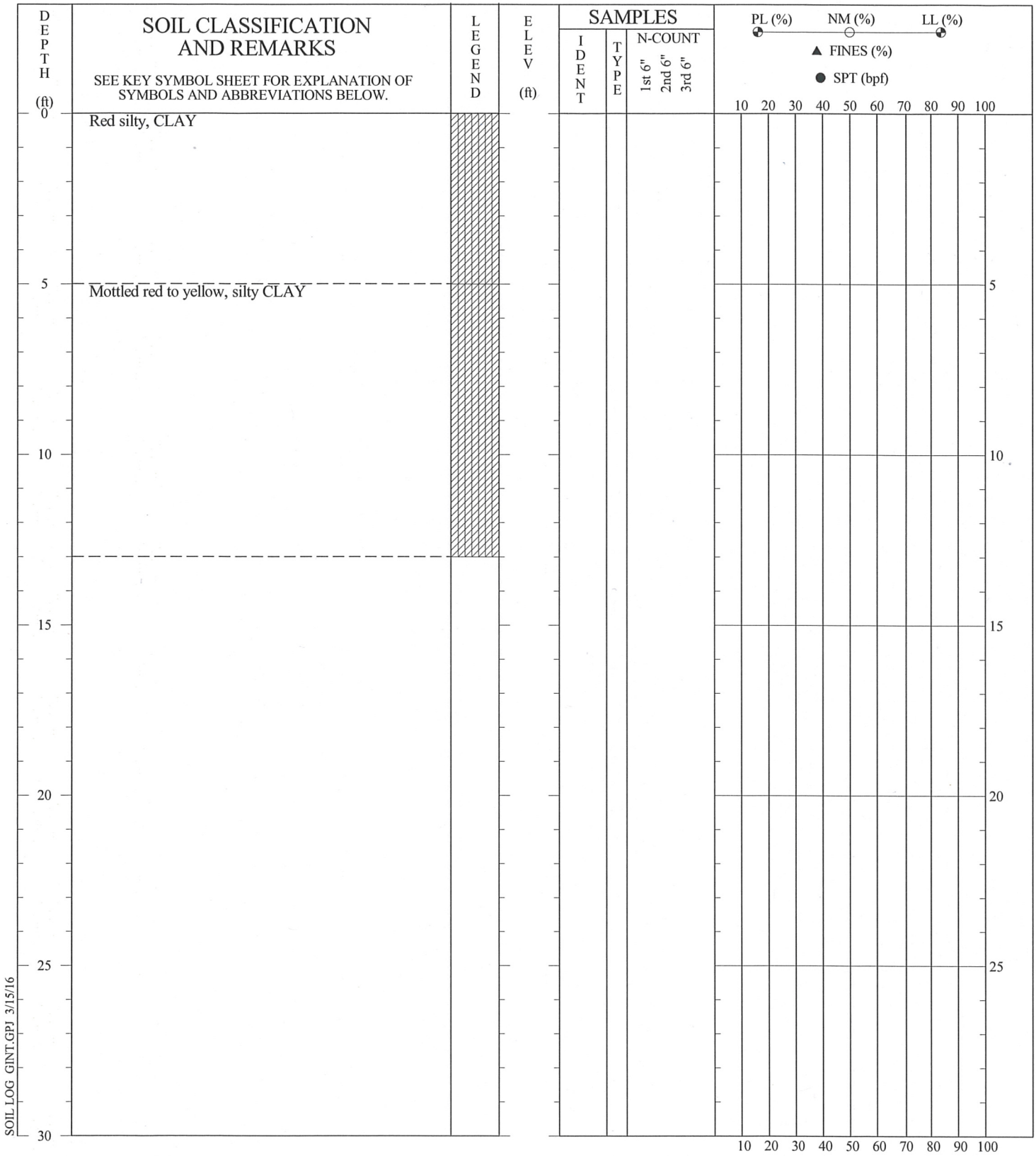
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-08-07
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

DRILLER: Probetech
EQUIPMENT: Geoprobe 6620DT
METHOD: Direct Push
HOLE DIA.: 2 inch
REMARKS:

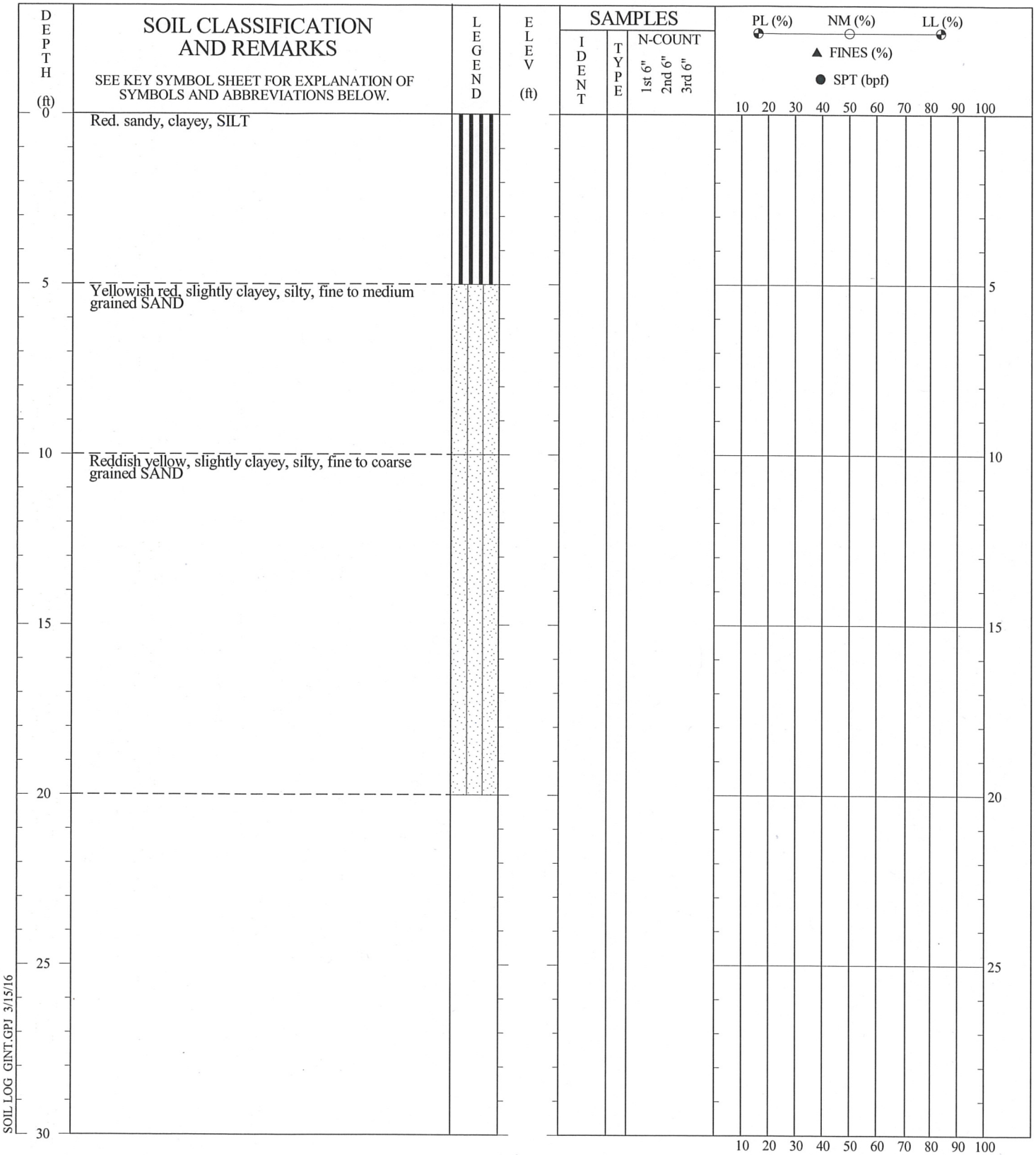
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-08-08
LATITUDE:
LONGITUDE:
DRILLED: November 3, 2014
PROJ. NO.: 6251121007 **PAGE** 1 **OF** 1

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

DRILLER: Probetech
EQUIPMENT: Geoprobe 6620DT
METHOD: Direct Push
HOLE DIA.: 2 inch
REMARKS:

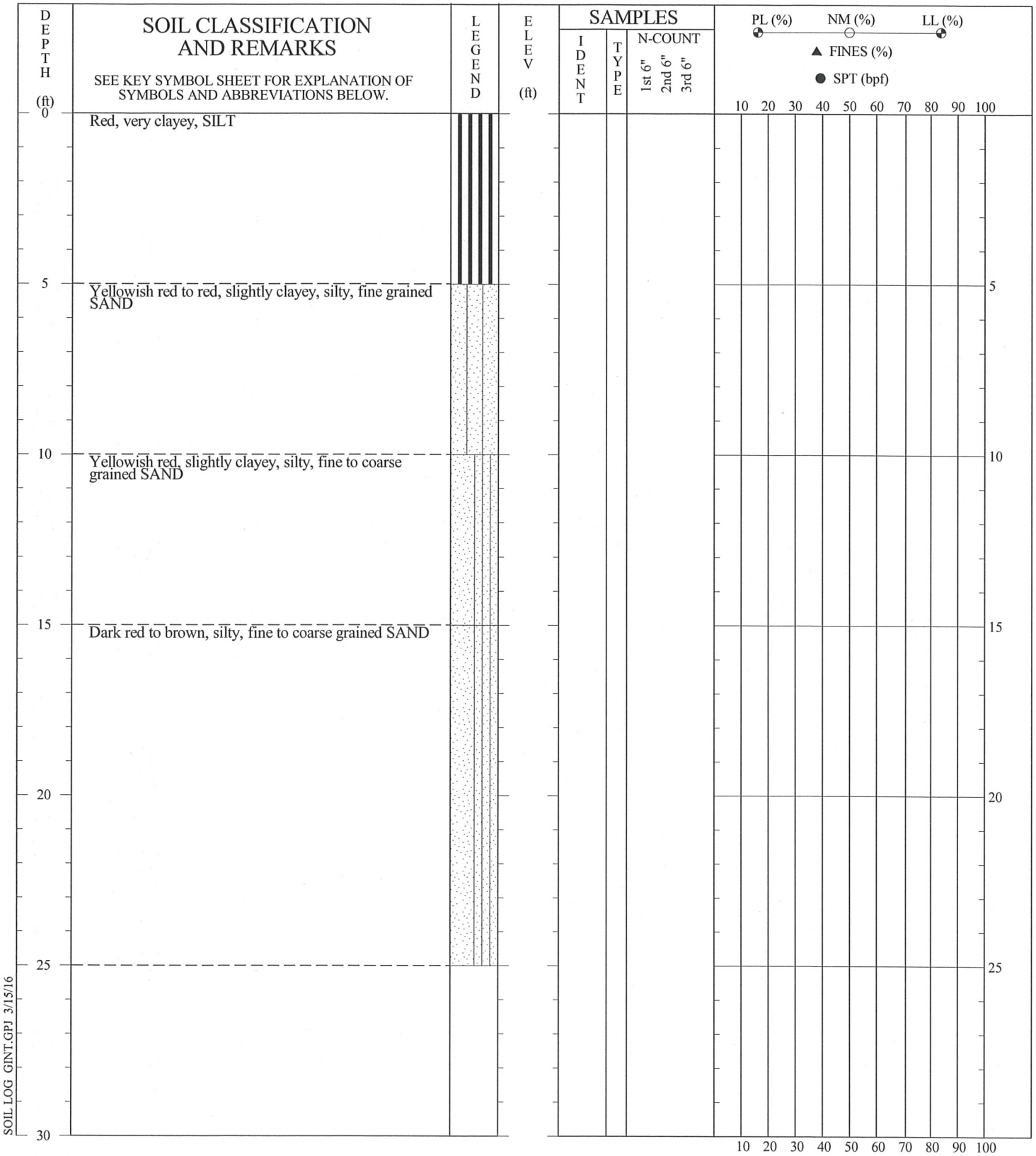
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-09-01
LATITUDE:
LONGITUDE:
DRILLED: July 7, 2015
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

DRILLER: Probetech
EQUIPMENT: Geoprobe 6620DT
METHOD: Direct Push
HOLE DIA.: 2 inch
REMARKS:

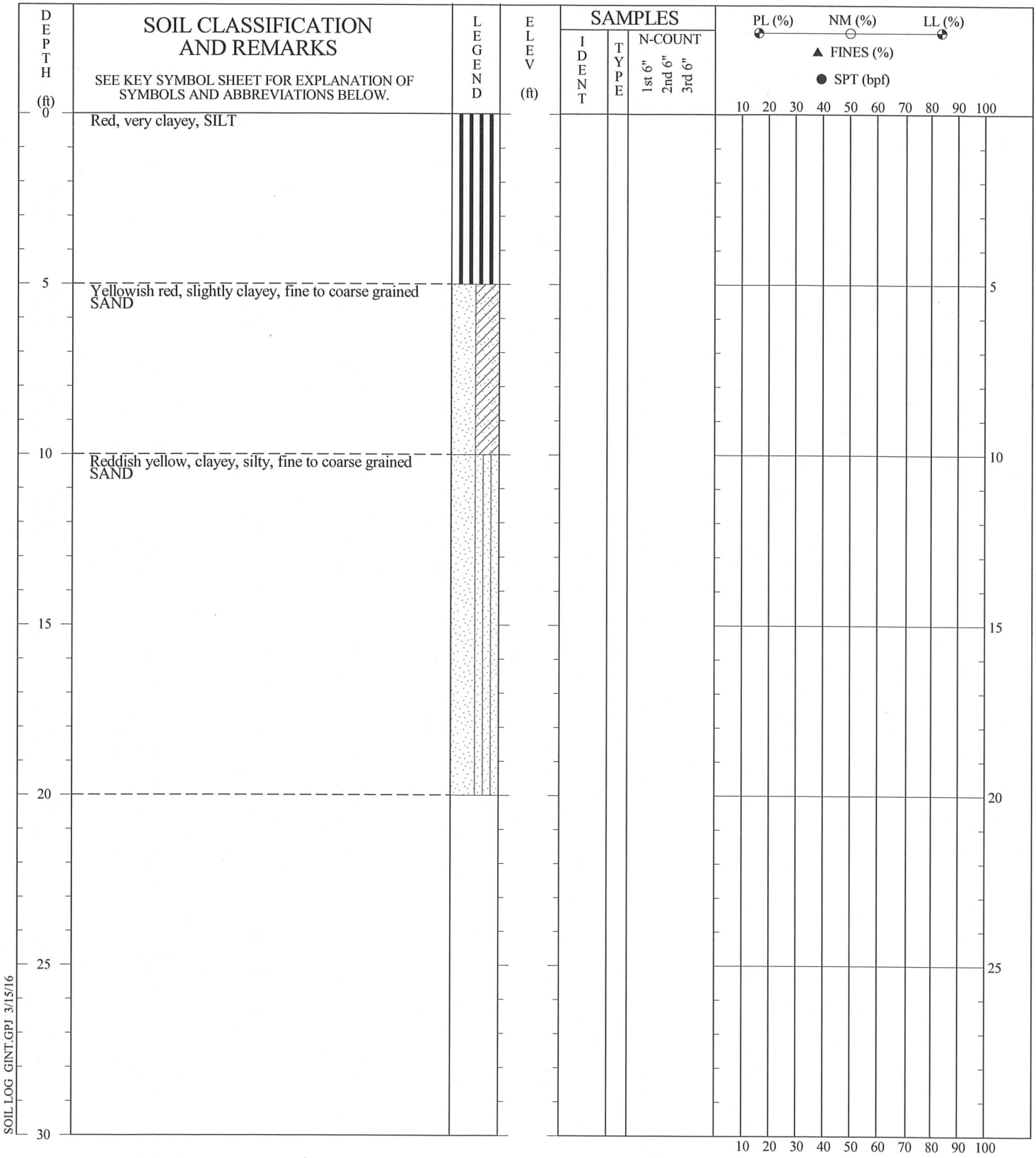
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-09-02
LATITUDE:
LONGITUDE:
DRILLED: July 7, 2015
PROJ. NO.: 6251121007 **PAGE** 1 **OF** 1

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

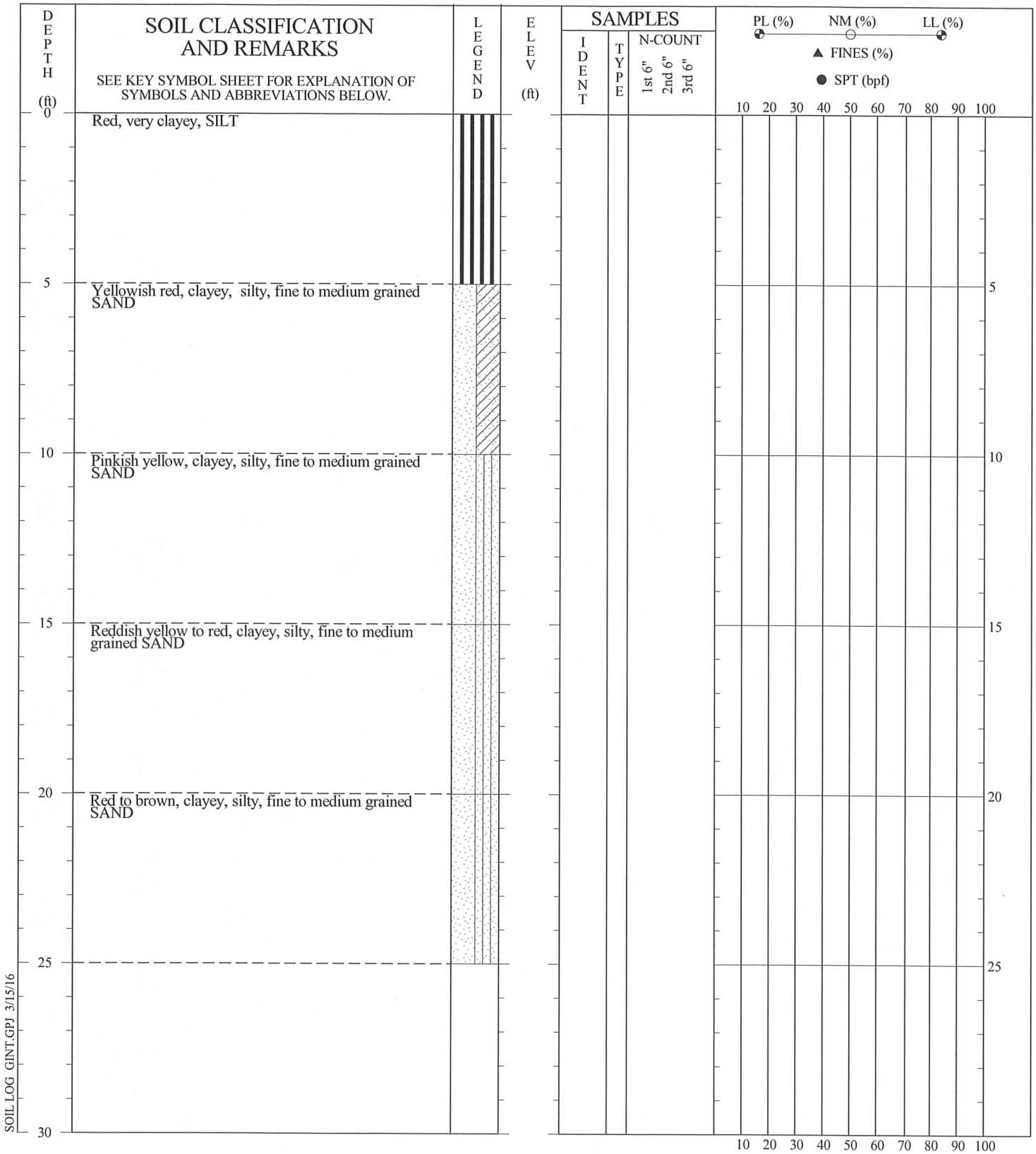
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-09-03
LATITUDE:
LONGITUDE:
DRILLED: July 7, 2015
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

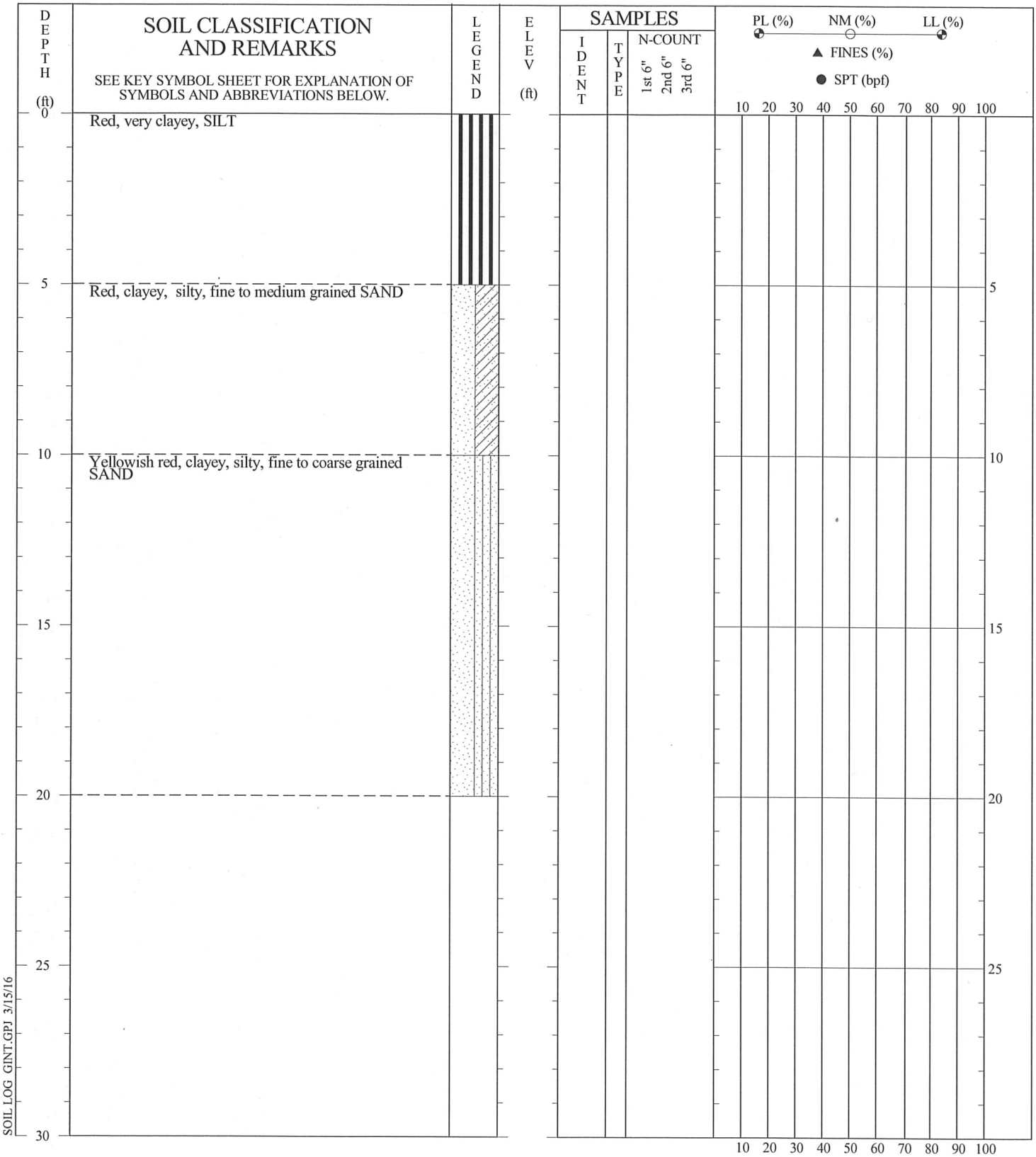
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-09-04
LATITUDE:
LONGITUDE:
DRILLED: July 7, 2015
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

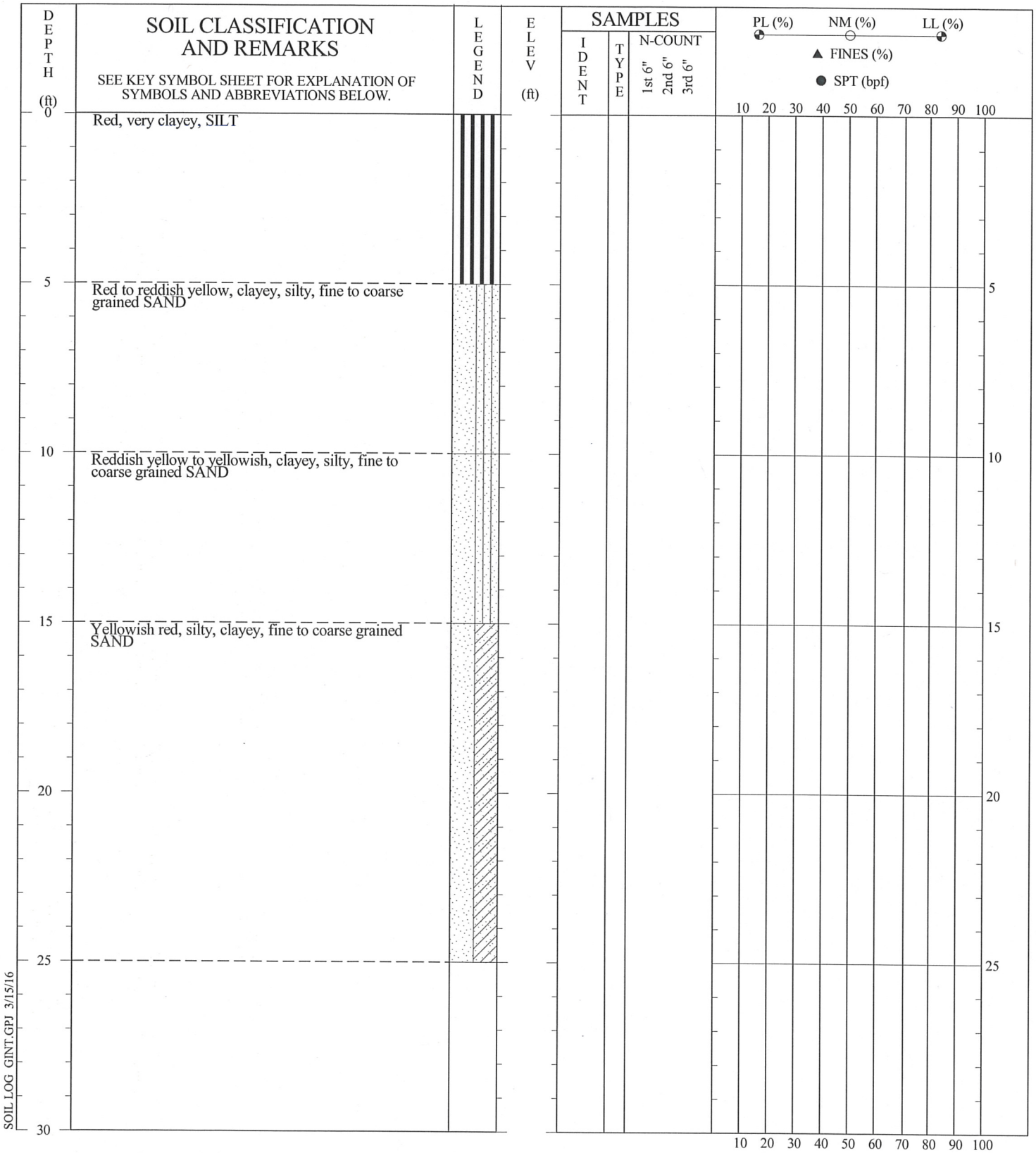
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-09-05
LATITUDE:
LONGITUDE:
DRILLED: July 7, 2015
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/15/16

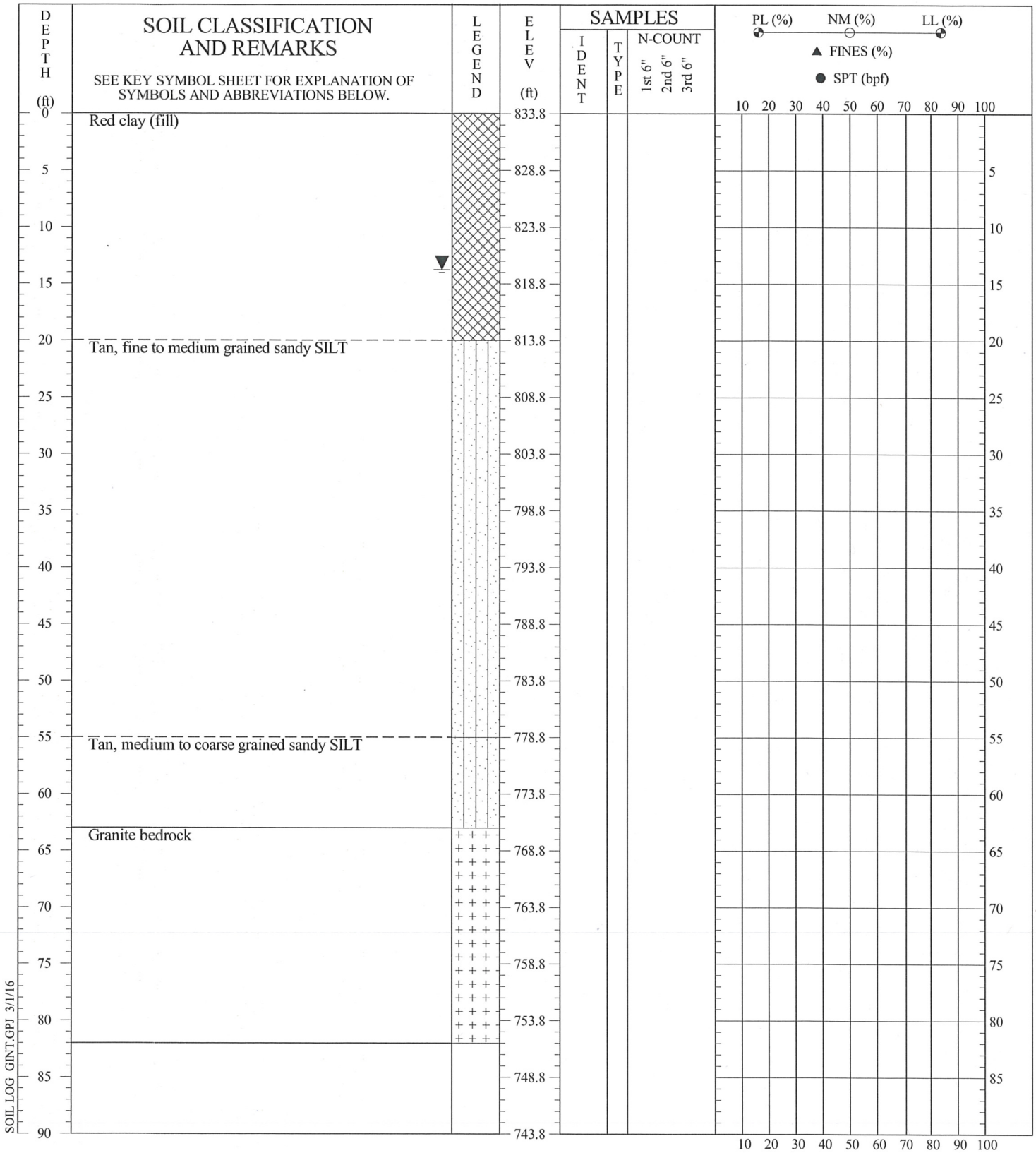
DRILLER:	Probetech
EQUIPMENT:	Geoprobe 6620DT
METHOD:	Direct Push
HOLE DIA.:	2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** SB-09-06
LATITUDE:
LONGITUDE:
DRILLED: July 7, 2015
PROJ. NO.: 6251121007 **PAGE** 1 **OF** 1

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040 DT/Schramm T450W
METHOD: HSA/Air Hammer
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS: HSA refusal at 63 feet below ground surface

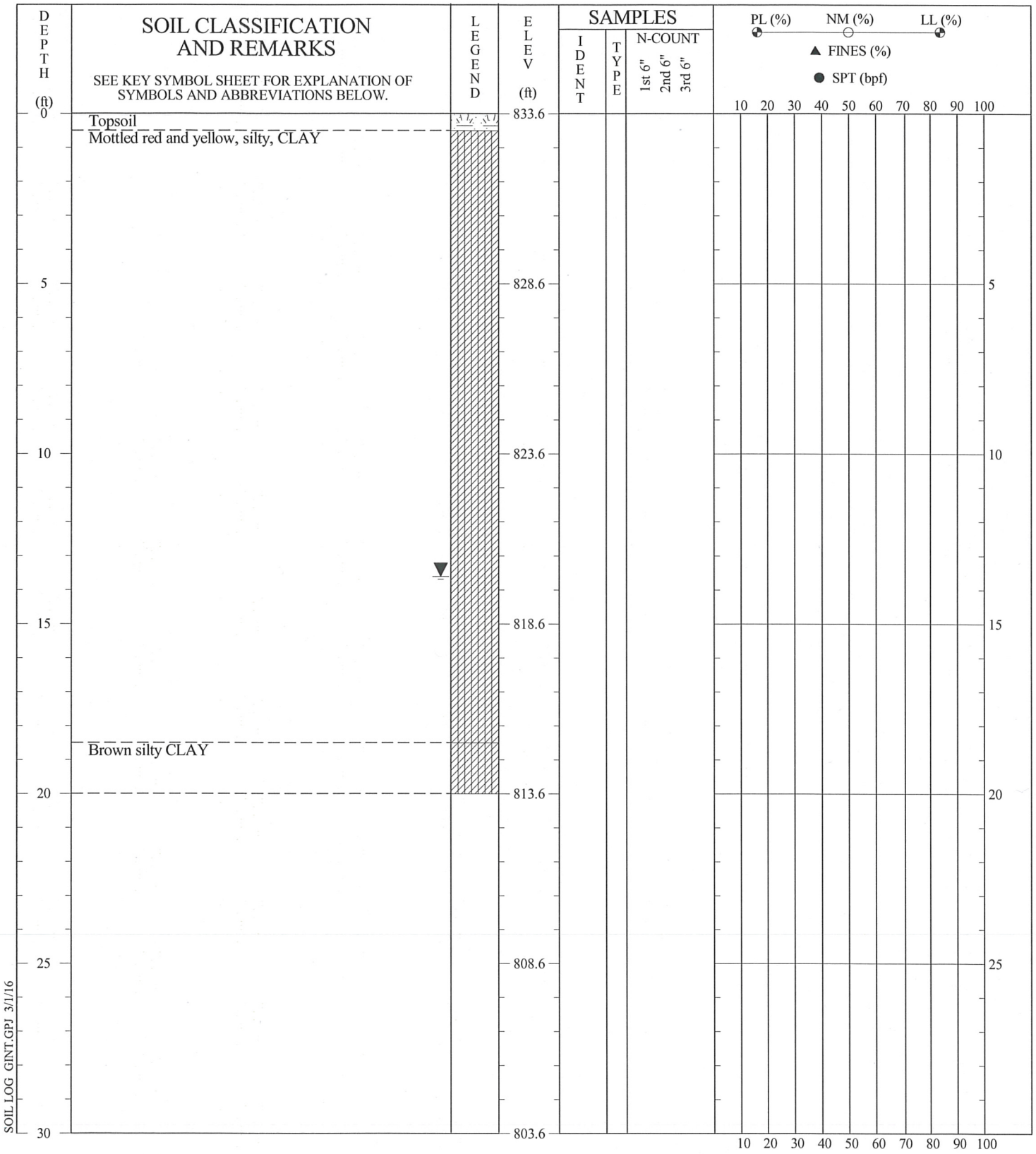
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-08-02D
LATITUDE: 1,039,818.7170
LONGITUDE: 1,639,511.8540
DRILLED: December 1, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER:	A.E Drilling
EQUIPMENT:	Geoprobe 8040DT
METHOD:	HSA
HOLE DIA.:	8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-08-03
LATITUDE: 1,039,759.7350
LONGITUDE: 1,639,474.9820
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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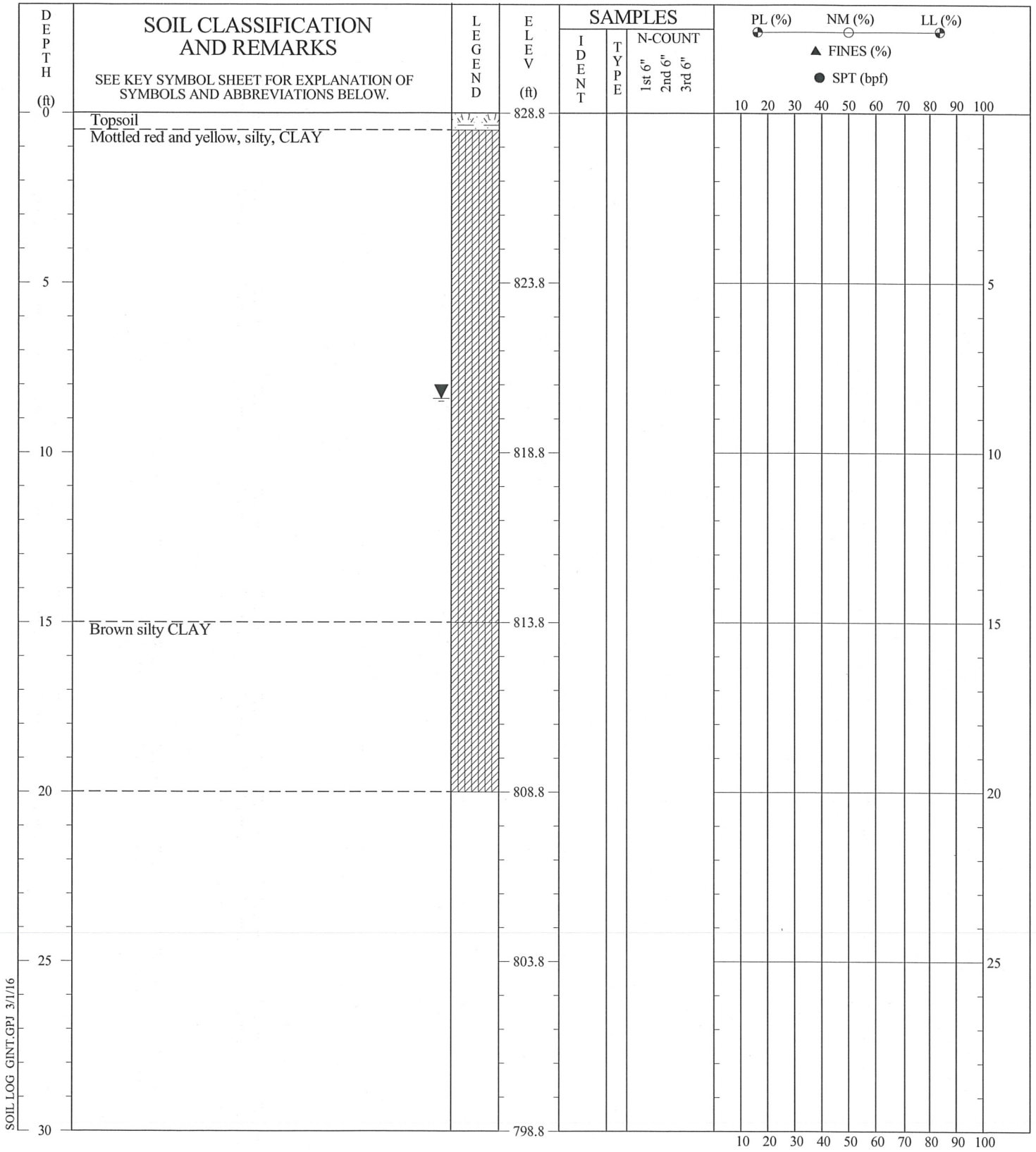


SOIL LOG GINT.GPJ 3/1/16

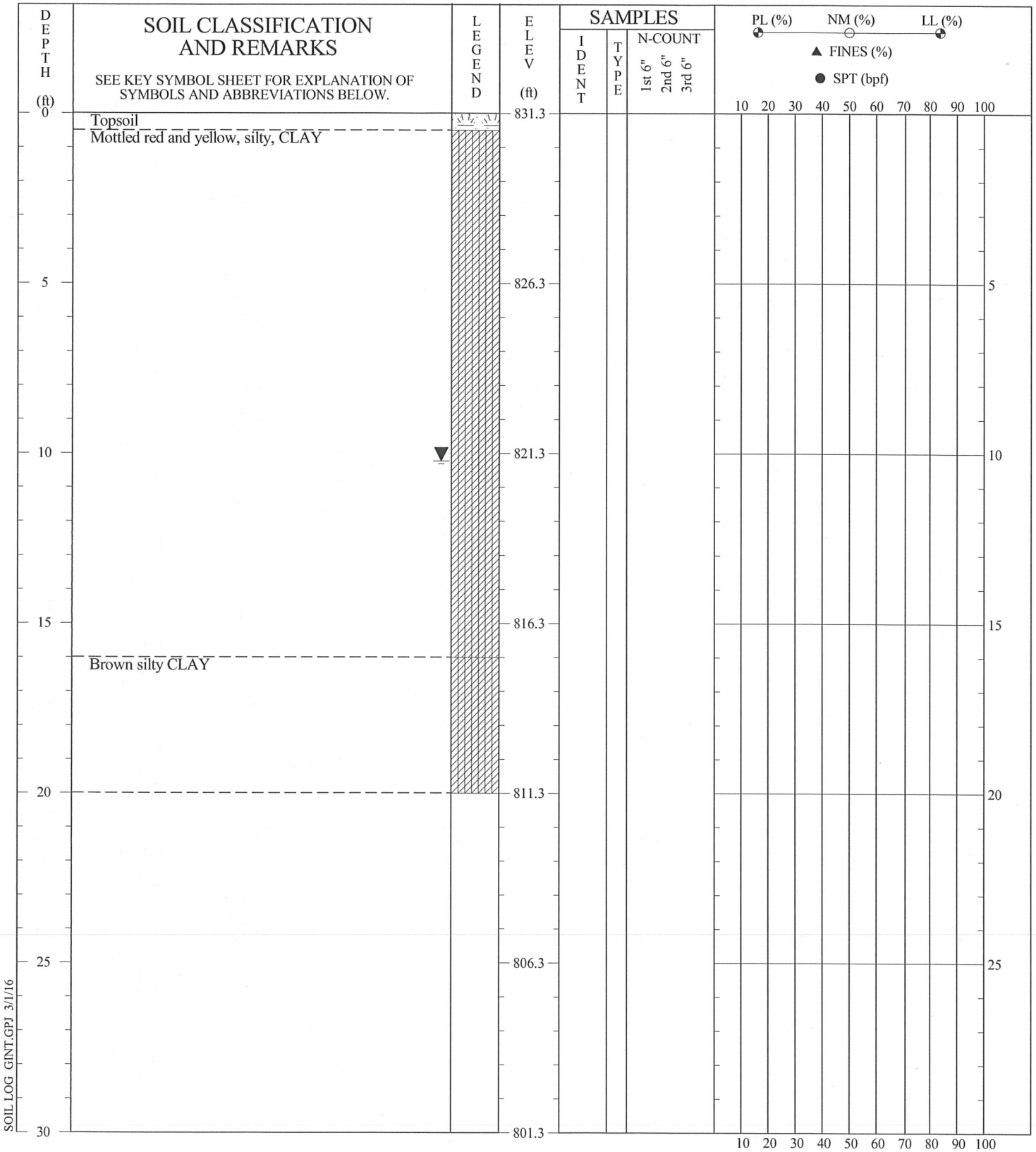
DRILLER:	A.E Drilling
EQUIPMENT:	Geoprobe 8040DT
METHOD:	HSA
HOLE DIA.:	8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-08-04
LATITUDE: 1,039,728.9410
LONGITUDE: 1,639,555.5860
DRILLED: November 14, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER:	A.E Drilling
EQUIPMENT:	Geoprobe 8040DT
METHOD:	HSA
HOLE DIA.:	8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

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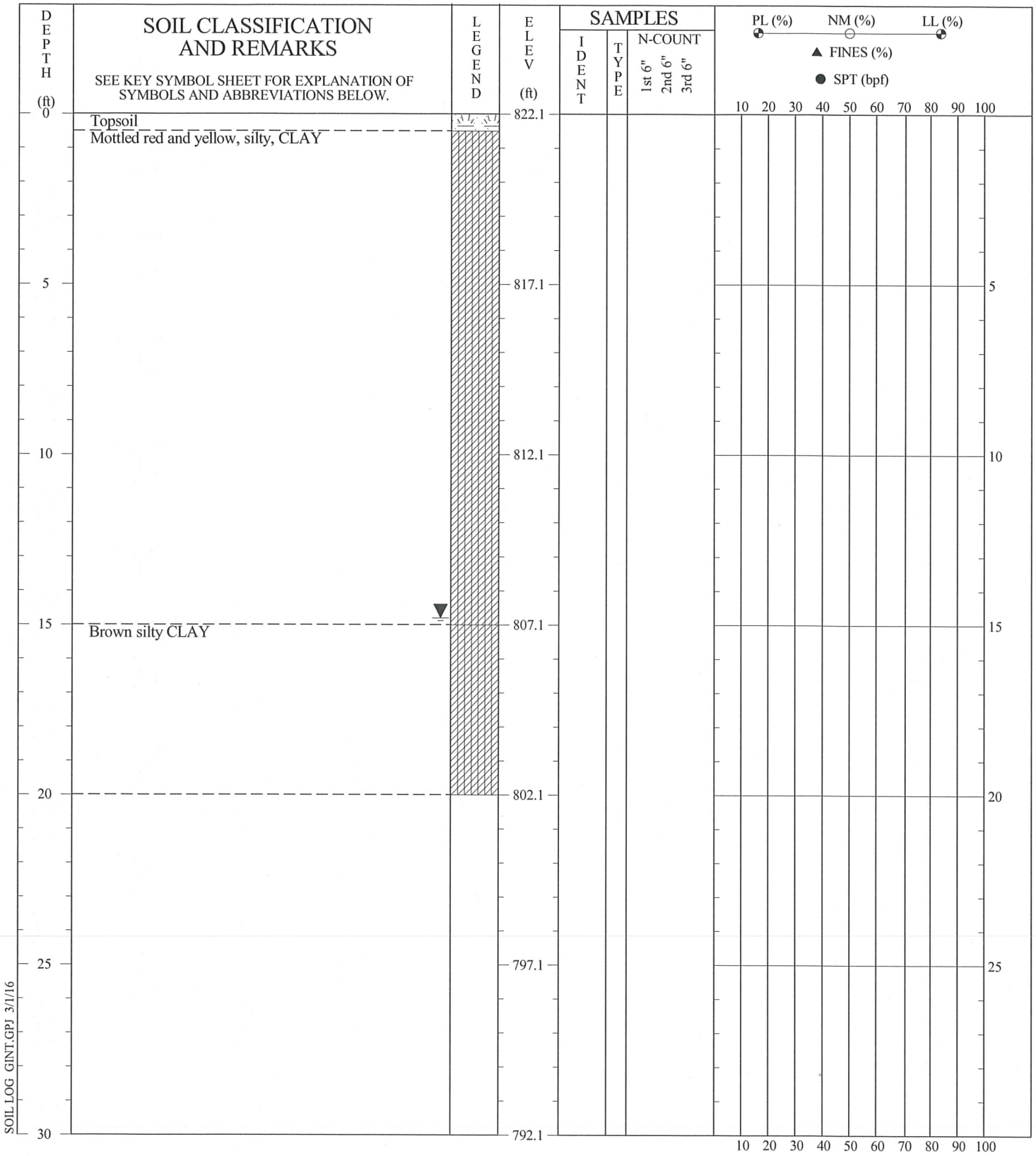
SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-08-05
LATITUDE: 1,039,793.8660
LONGITUDE: 1,639,602.9210
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

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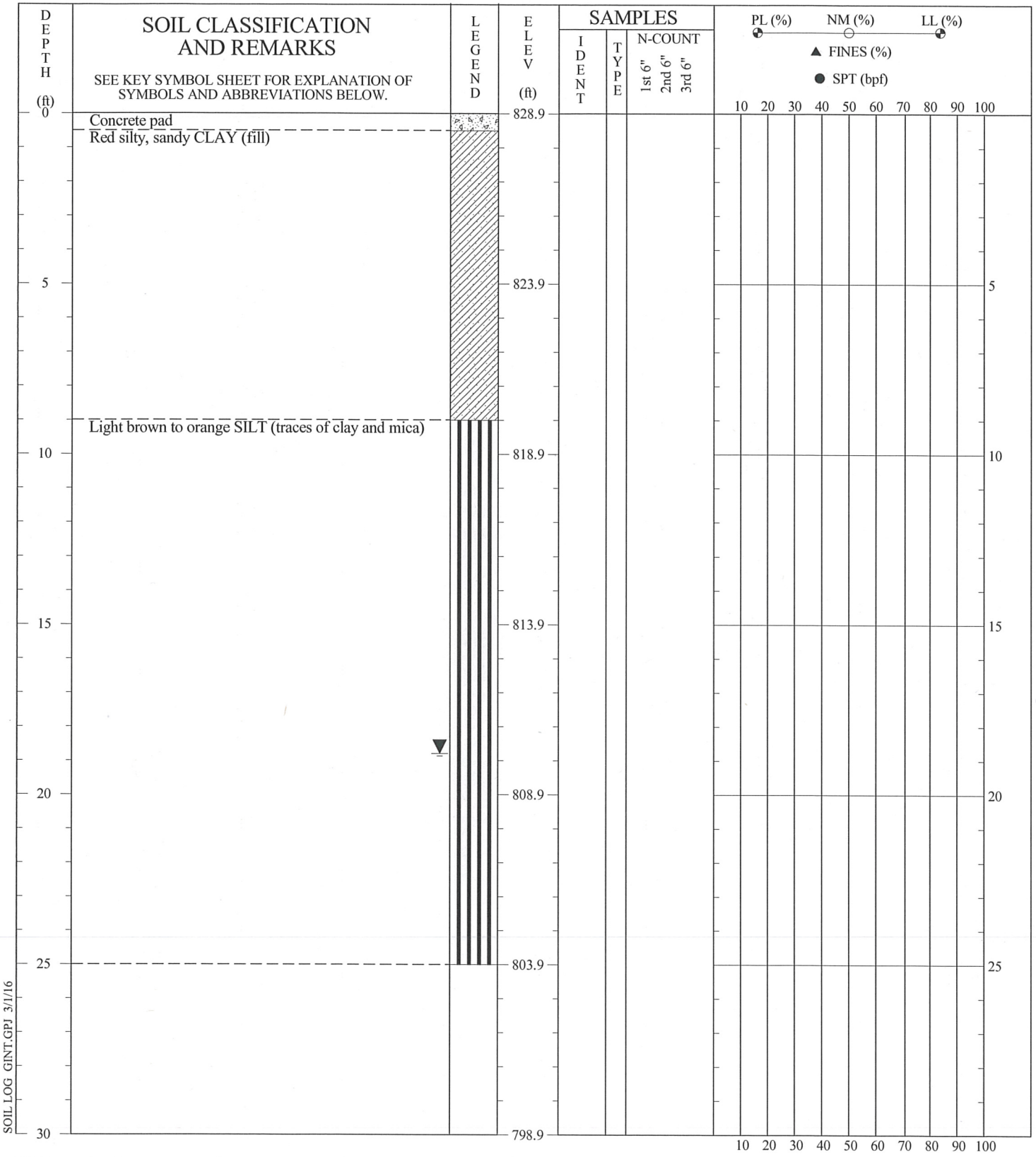
SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-06
LATITUDE: 1,039,456.7700
LONGITUDE: 1,639,115.7990
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

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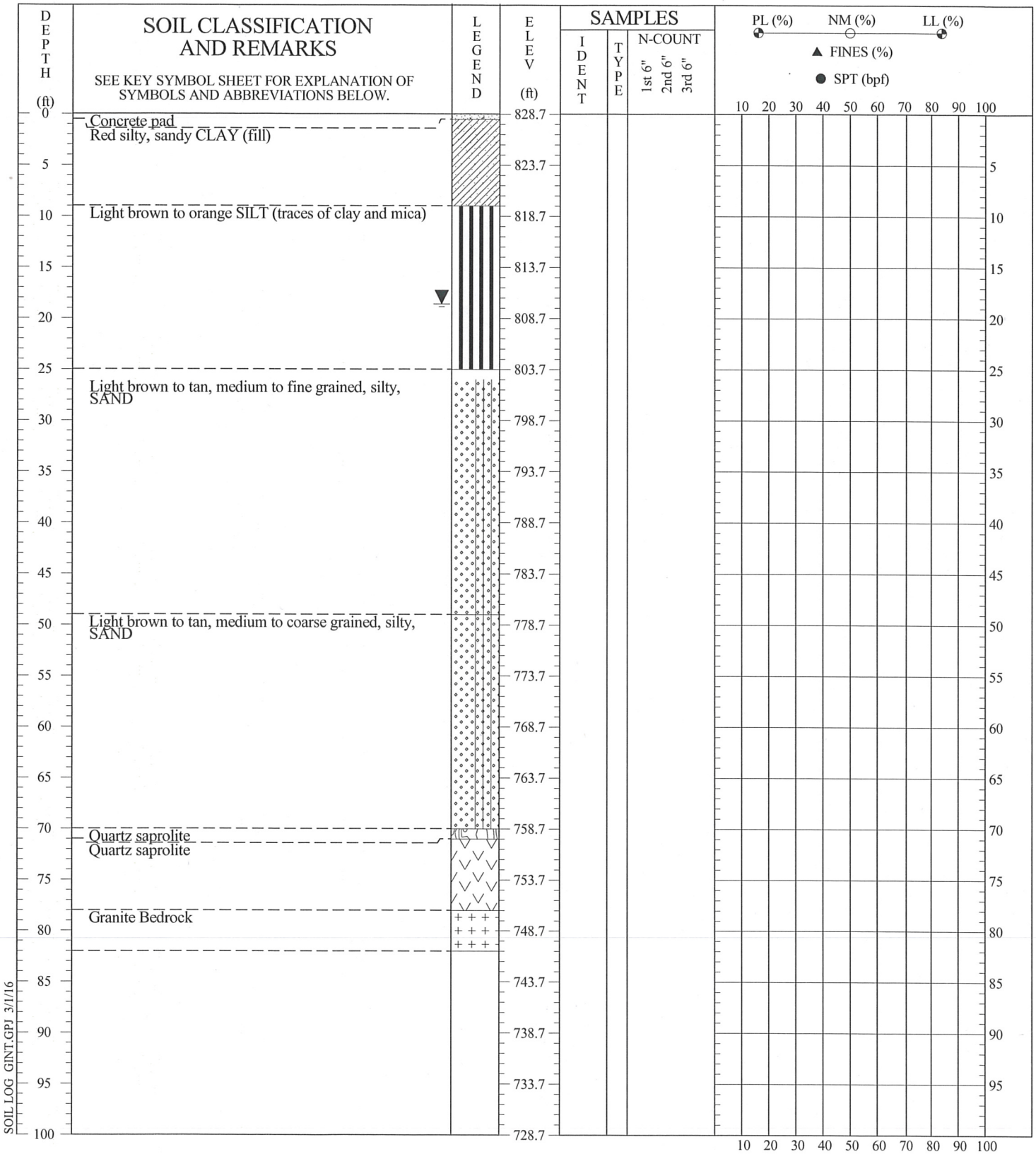
SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-07
LATITUDE: 1,039,581.9240
LONGITUDE: 1,639,063.2460
DRILLED: July 15, 2015
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

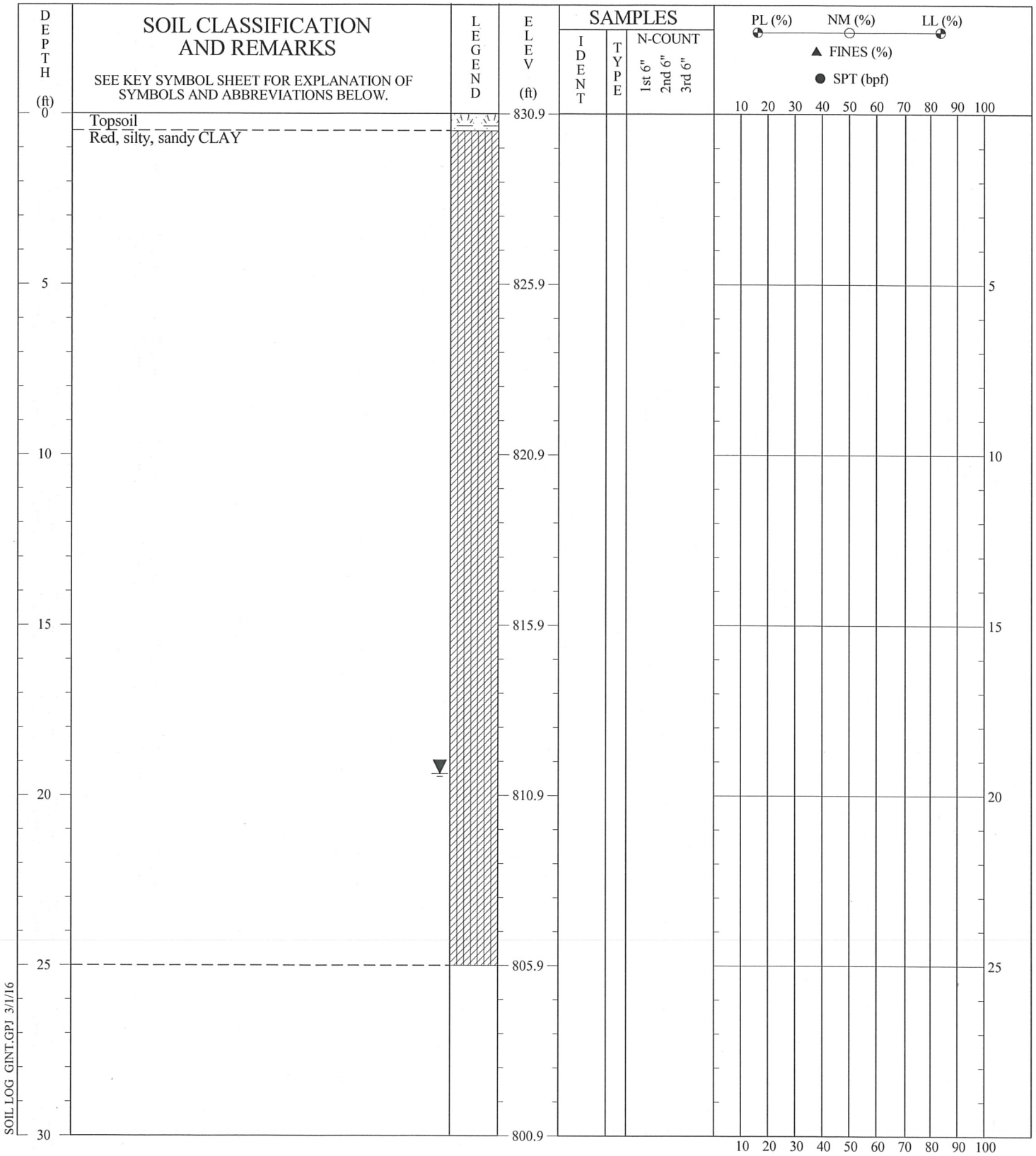
DRILLER:	A.E Drilling
EQUIPMENT:	Geoprobe 8040DT
METHOD:	HSA/Air Hammer
HOLE DIA.:	8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:	HSA refusal at 78 feet below ground surface
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-08D
LATITUDE: 1,039,585.6570
LONGITUDE: 1,639,058.7090
DRILLED: July 14, 2015
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

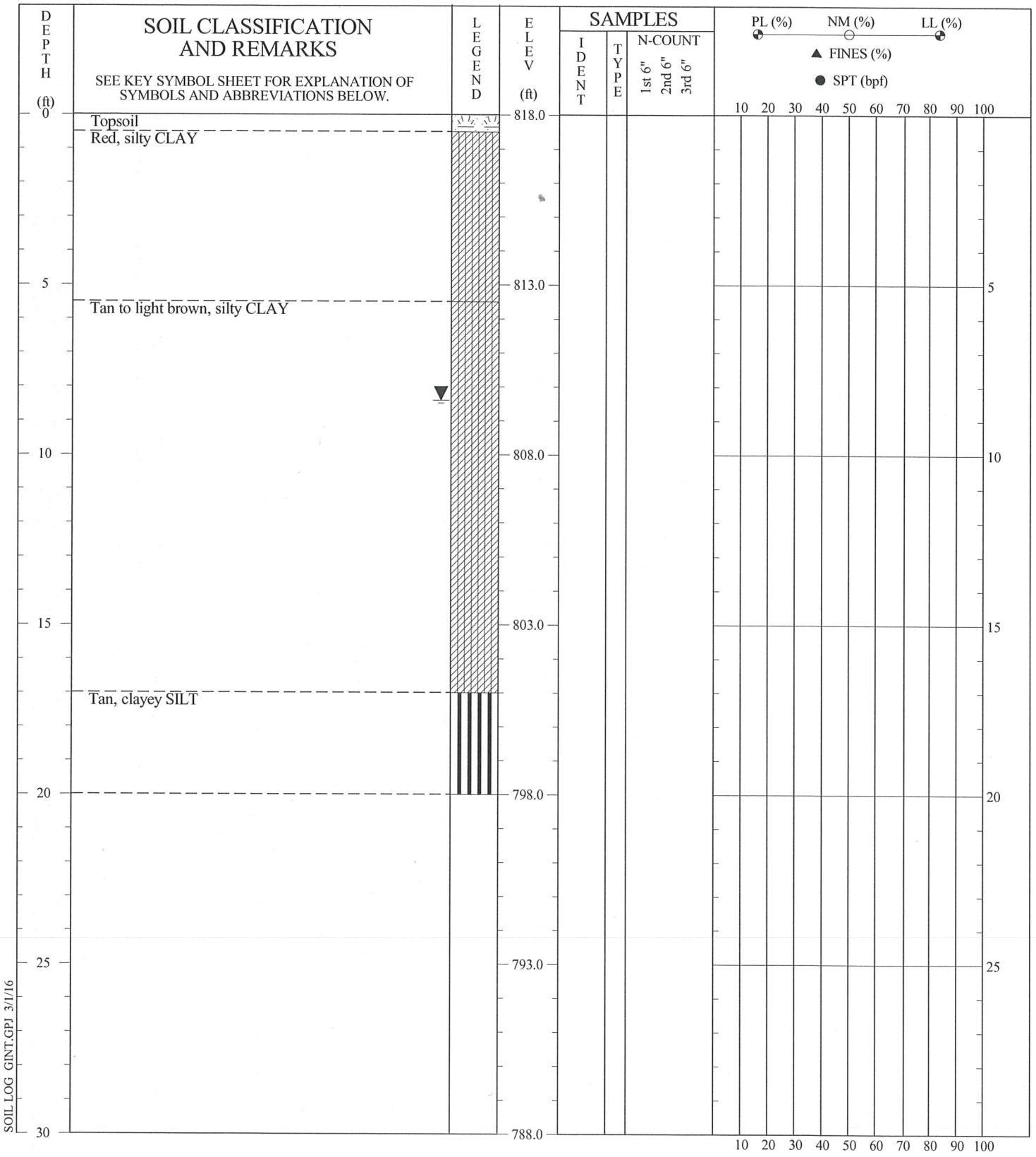
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-09
LATITUDE: 1,039,652.8180
LONGITUDE: 1,639,080.8860
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

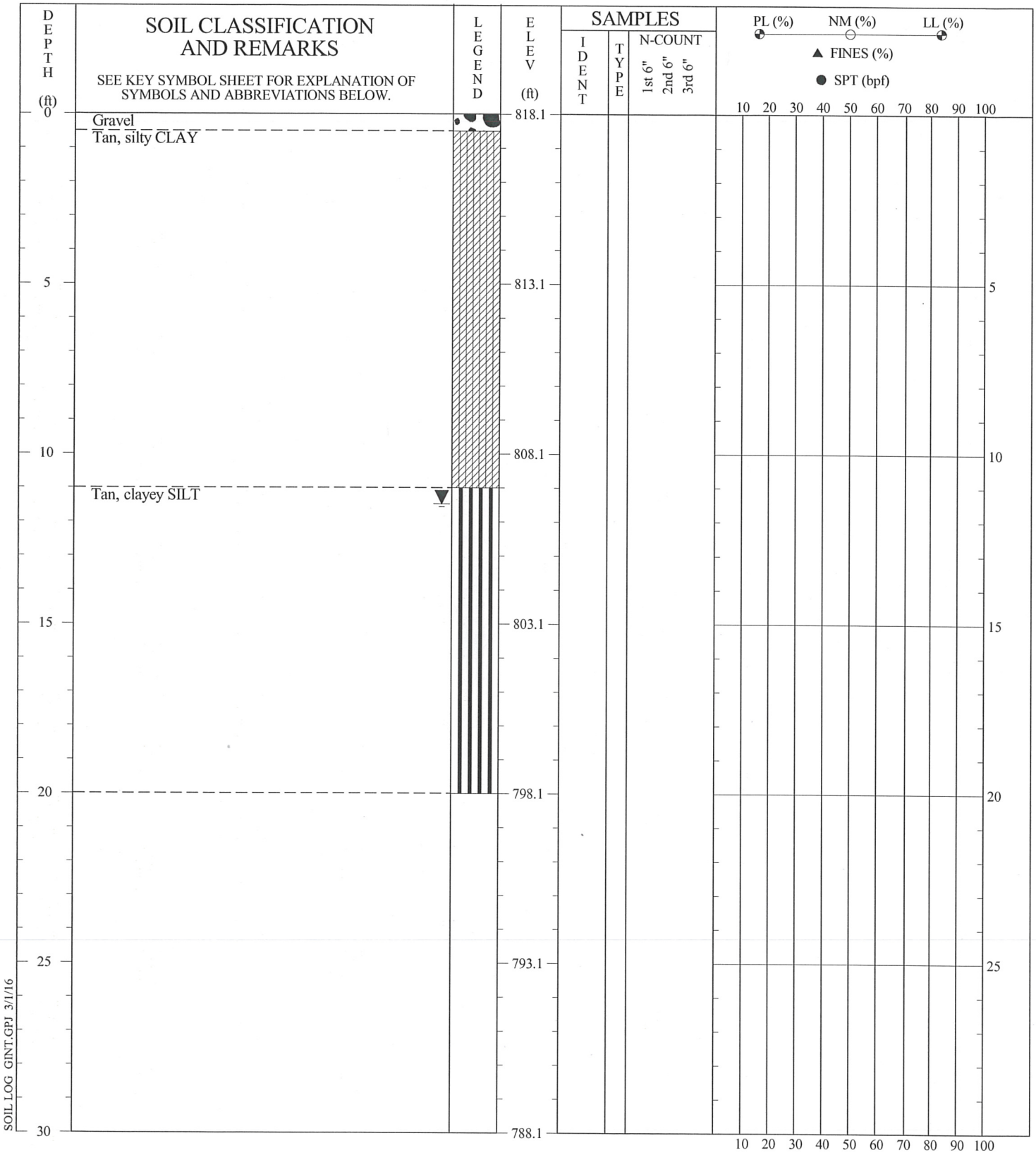
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-10
LATITUDE: 1,039,555.6430
LONGITUDE: 1,638,909.2130
DRILLED: November 13, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

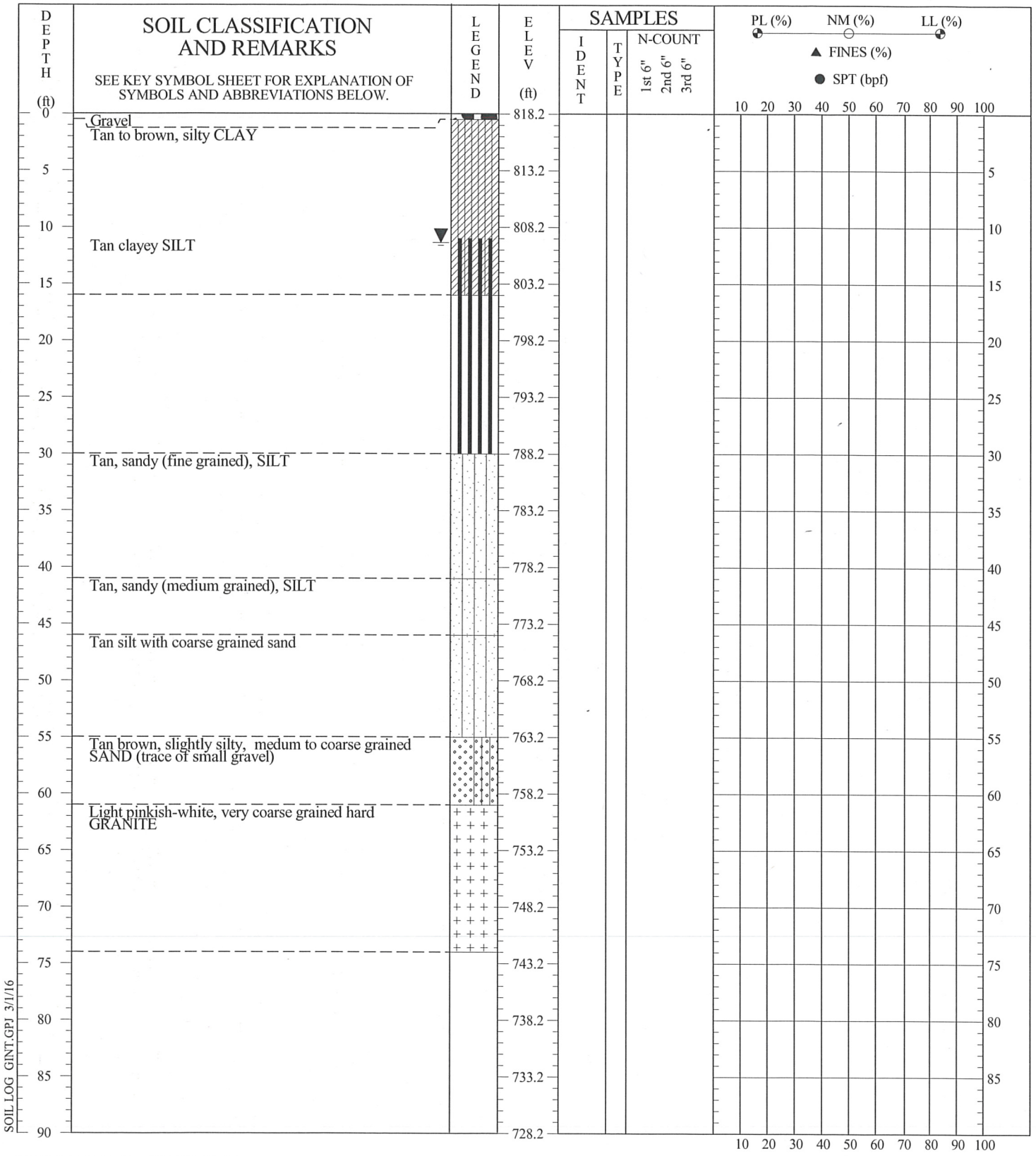
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-11
LATITUDE: 1,039,386.6390
LONGITUDE: 1,638,955.6620
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

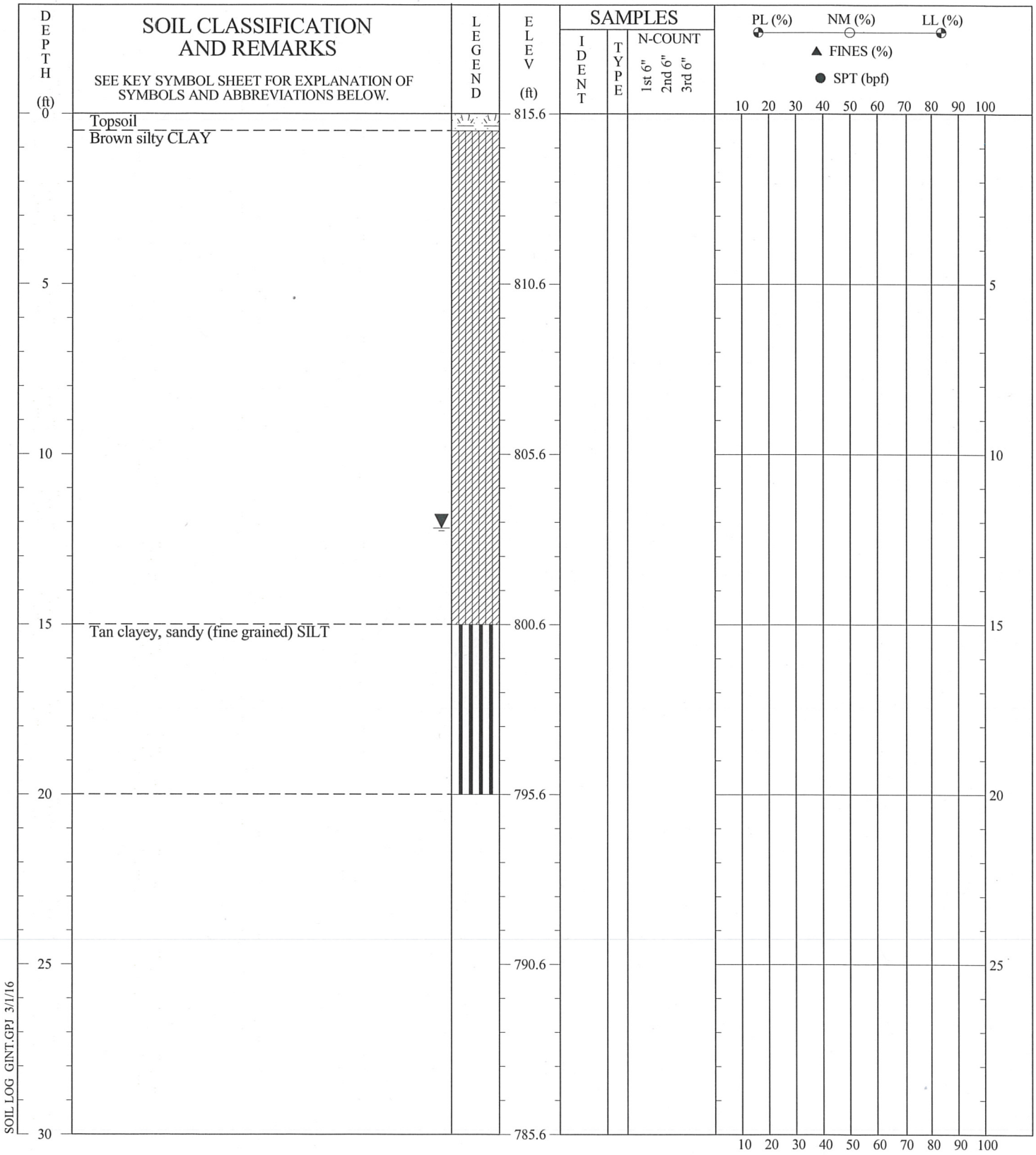
DRILLER:	A.E Drilling
EQUIPMENT:	Geoprobe 8040DT
METHOD:	HSA/Air Hammer
HOLE DIA.:	8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:	HSA refusal at 55 feet below ground surface
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-12D
LATITUDE: 1,039,392.0880
LONGITUDE: 1,638,957.3280
DRILLED: December 1, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

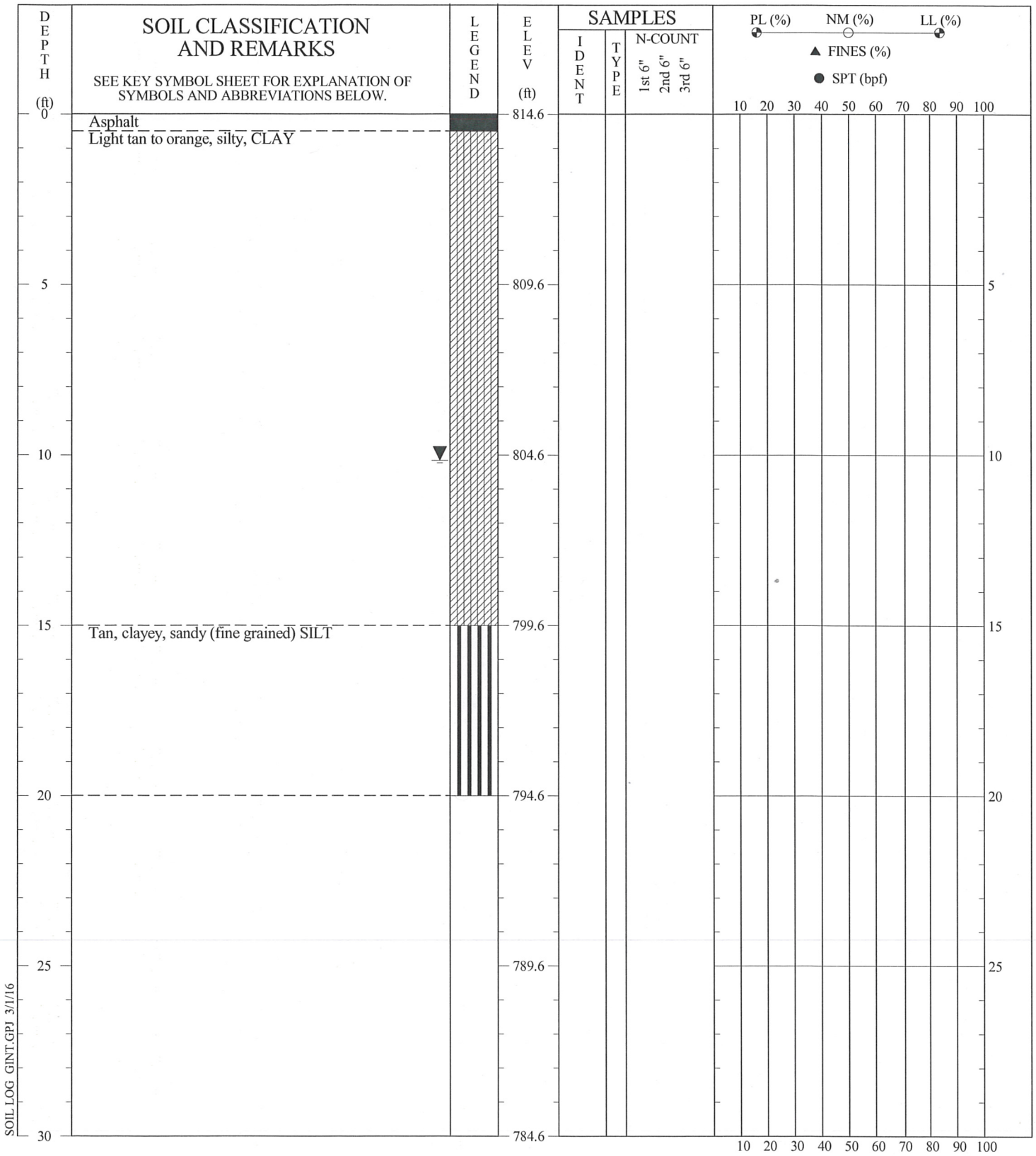
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-13
LATITUDE: 1,039,285.2090
LONGITUDE: 1,639,020.2680
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

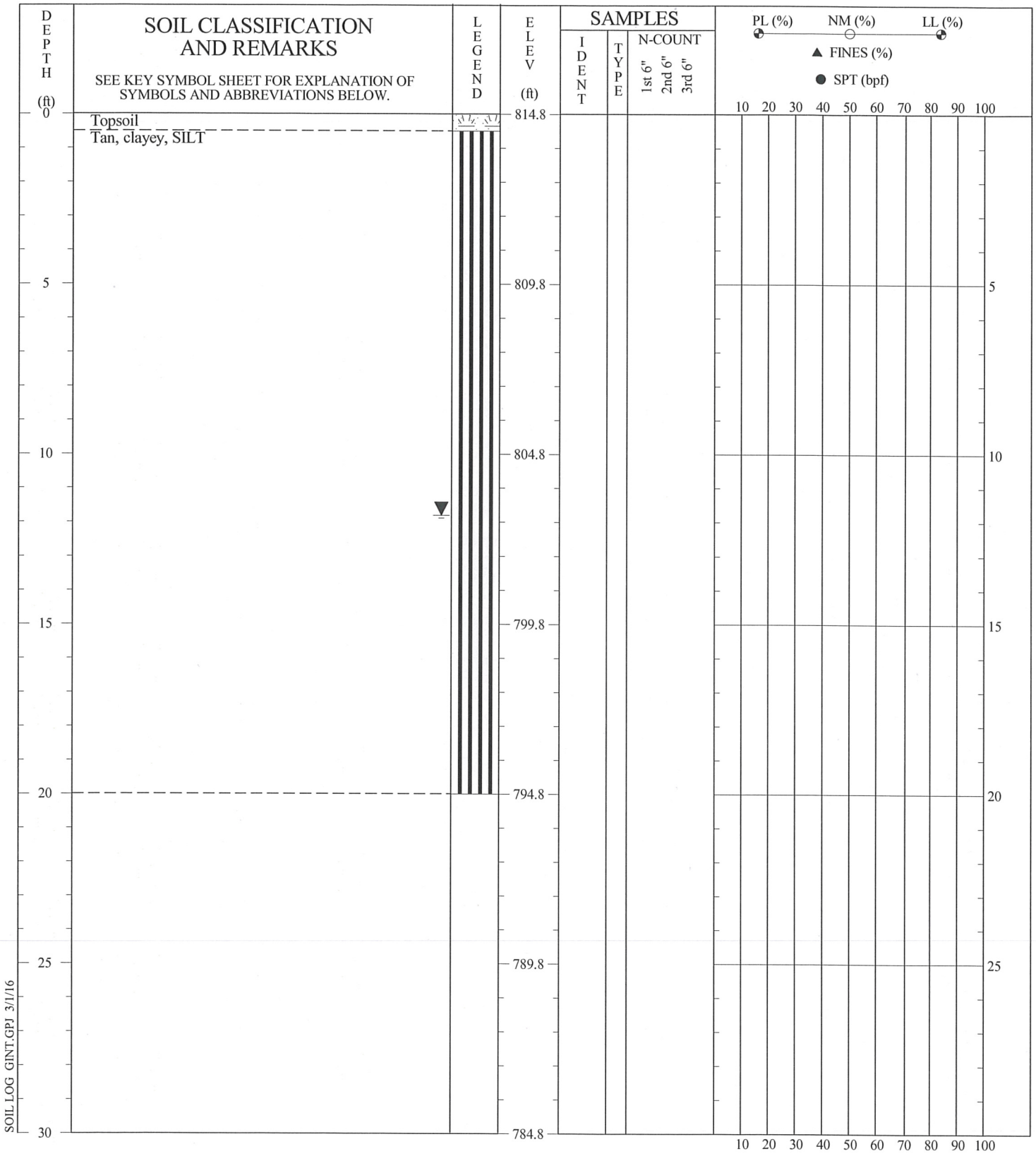
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-14
LATITUDE: 1,039,303.4030
LONGITUDE: 1,638,867.7270
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

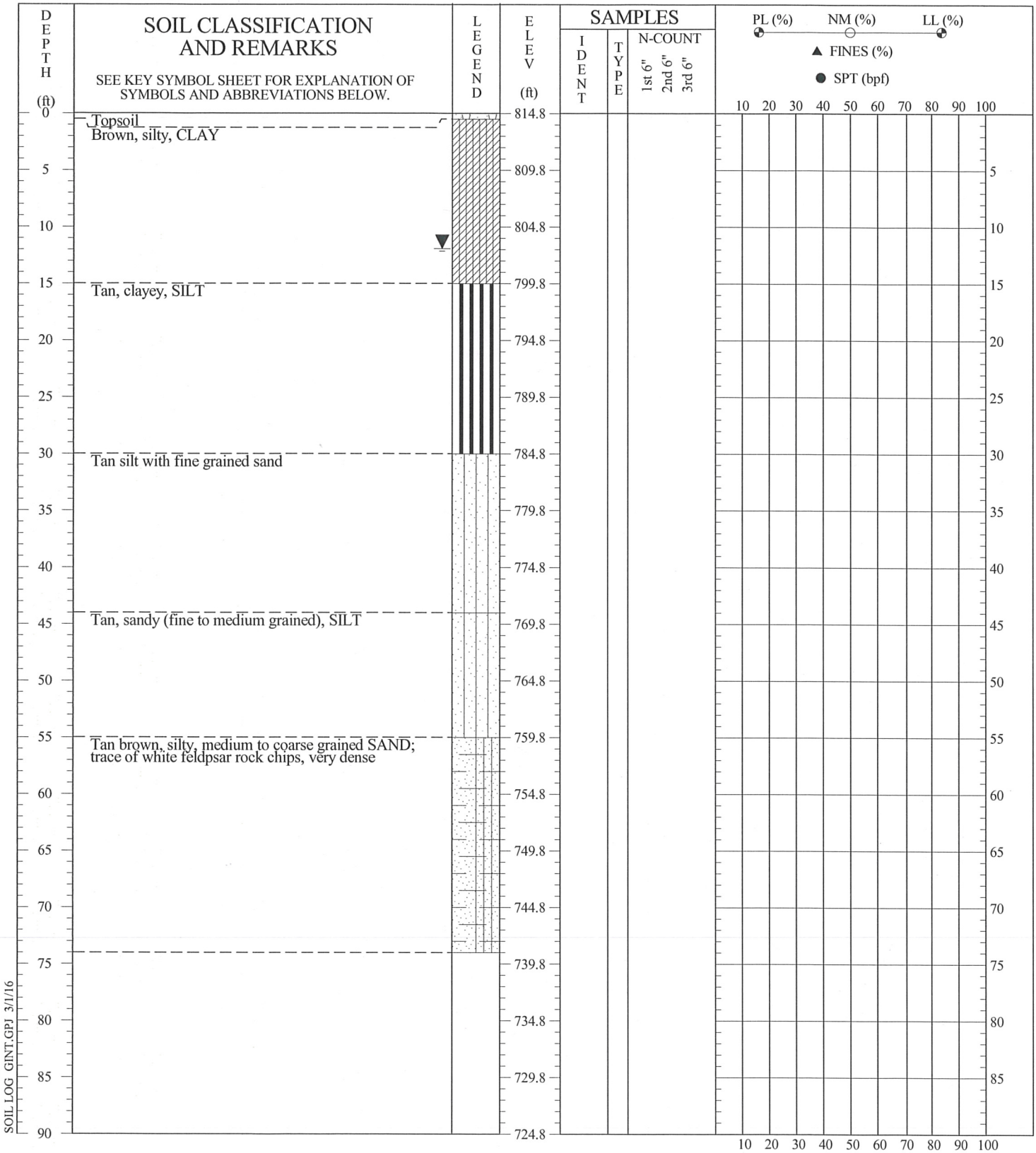
PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-15
LATITUDE: 1,039,242.2450
LONGITUDE: 1,638,948.7490
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA/Air Hammer
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS: HSA refusal at 54 feet below ground surface

PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-16D
LATITUDE: 1,039,244.1950
LONGITUDE: 1,638,952.9300
DRILLED: December 1, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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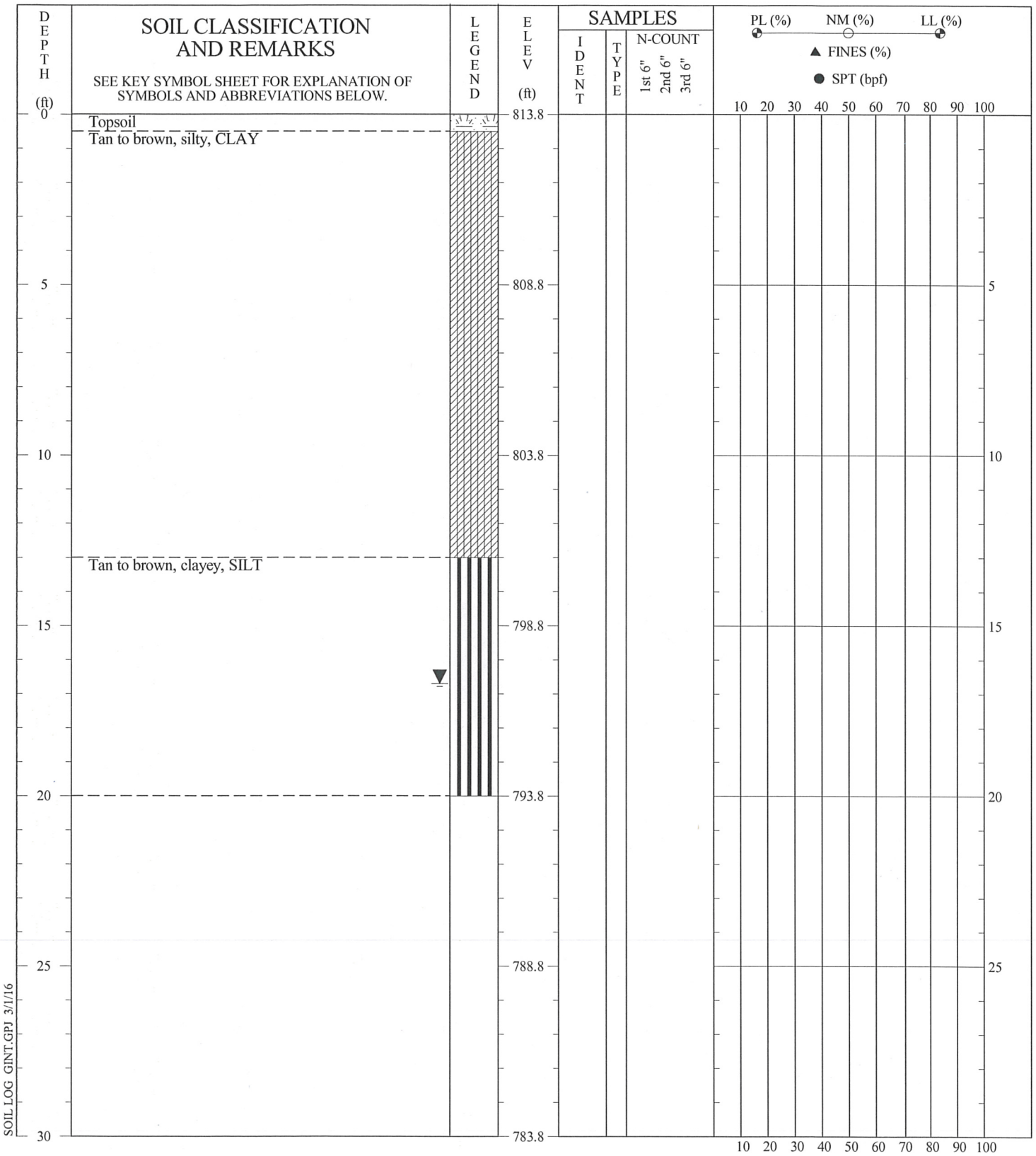

SOIL LOG GINT.GPJ 3/1/16

DRILLER:	A.E Drilling
EQUIPMENT:	Geoprobe 8040DT
METHOD:	HSA
HOLE DIA.:	8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-17
LATITUDE: 1,039,127.9000
LONGITUDE: 1,638,846.3970
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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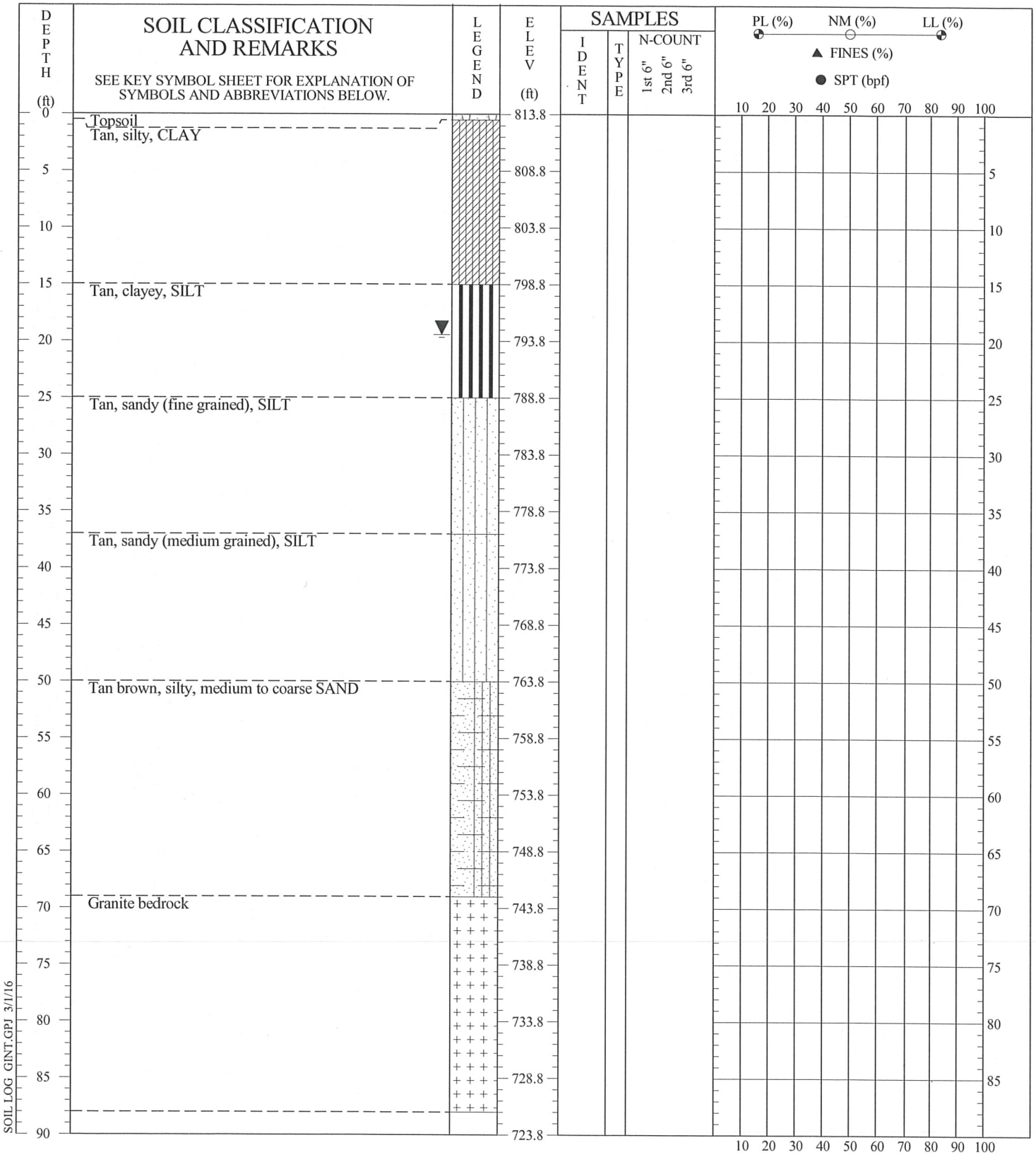


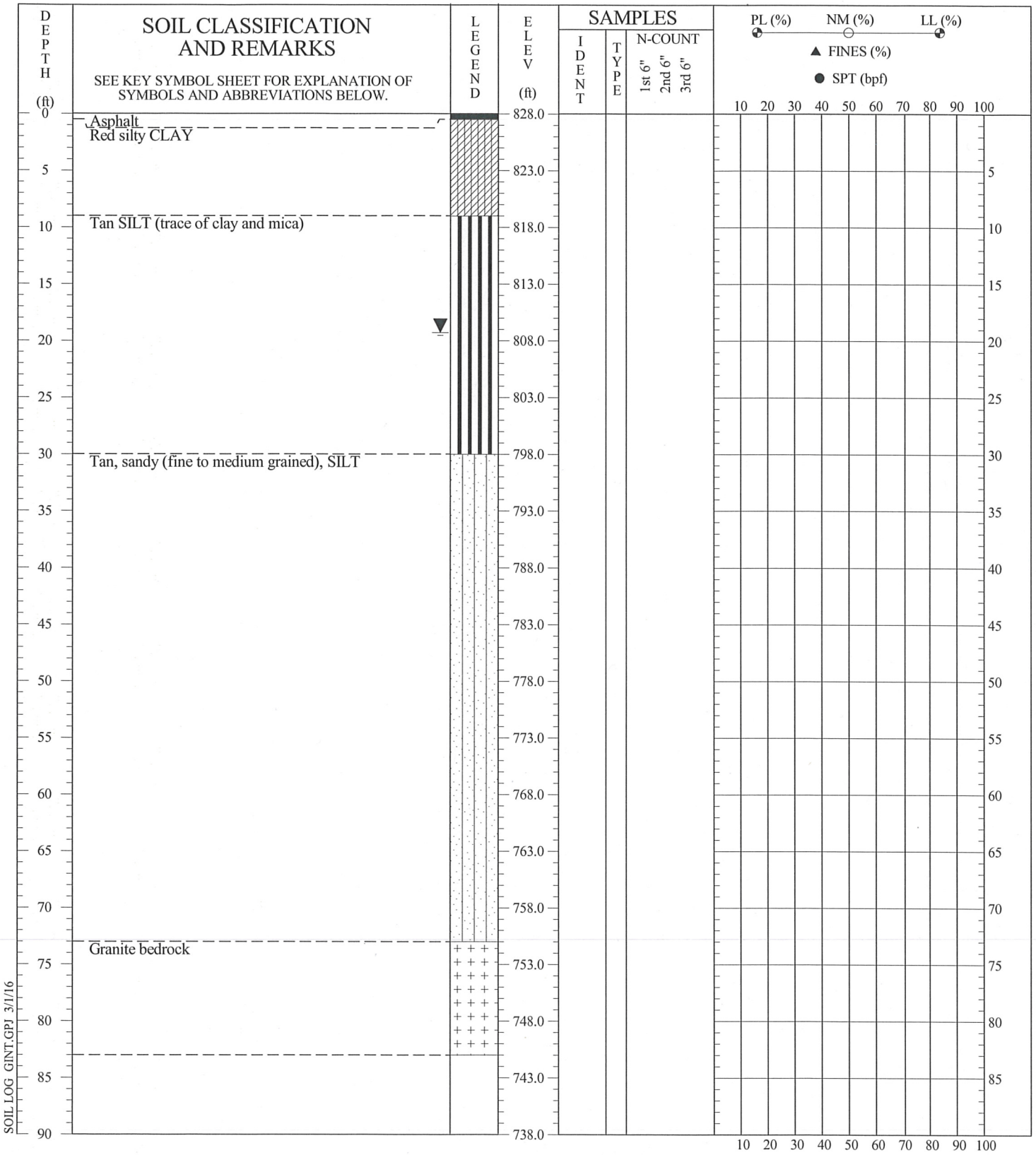
DRILLER:	A.E Drilling
EQUIPMENT:	Geoprobe 8040DT
METHOD:	HSA/Air Hammer
HOLE DIA.:	8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:	HSA refusal at 69 feet below ground surface
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-18D
LATITUDE: 1,039,122.2100
LONGITUDE: 1,638,842.1300
DRILLED: December 1, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA/Air Hammer
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS: HSA refusal at 73 feet below ground surface

PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-19D
LATITUDE: 1,039,534.1430
LONGITUDE: 1,639,075.8670
DRILLED: December 1, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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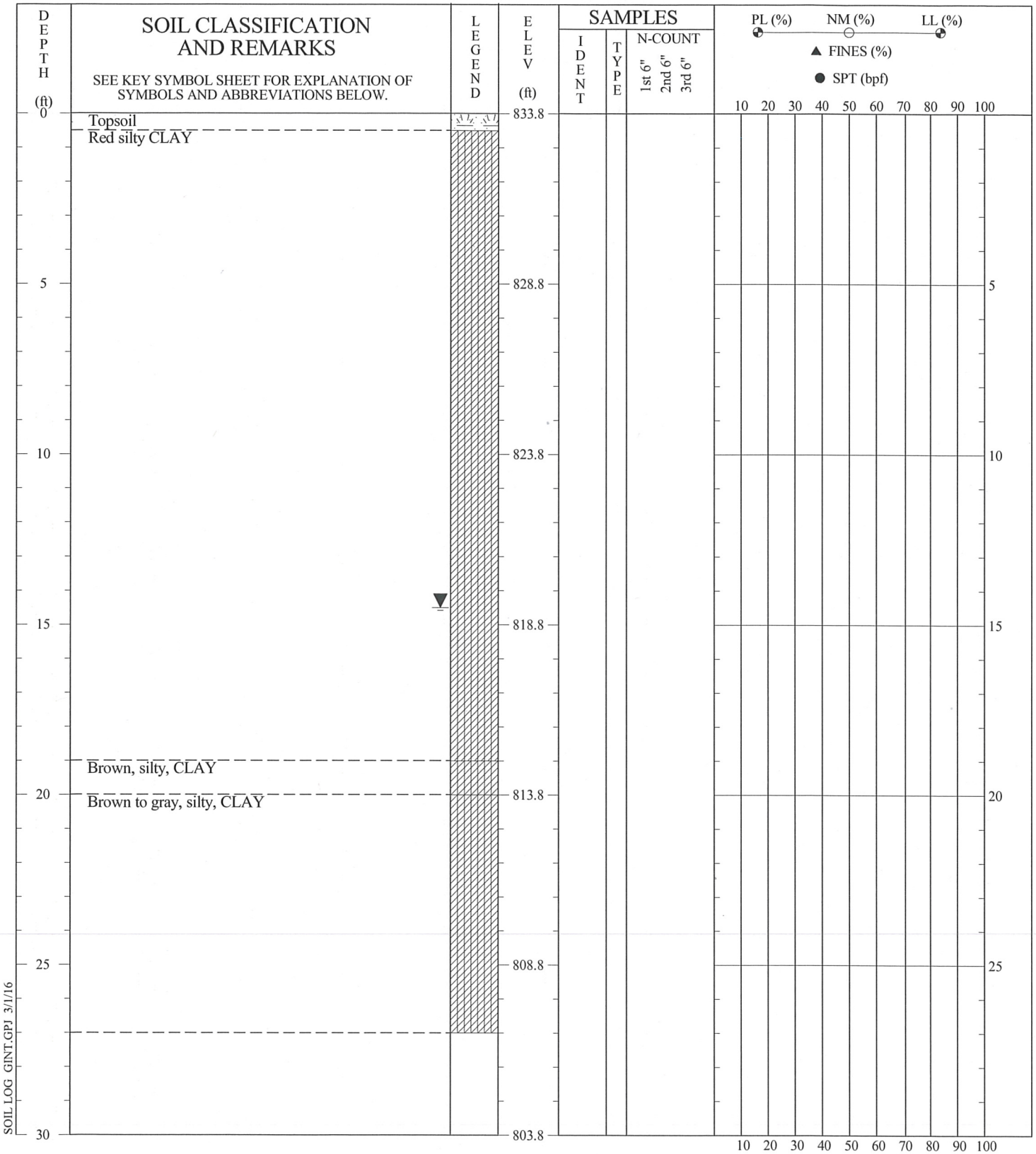

SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-03-20
LATITUDE: 1,039,926.7540
LONGITUDE: 1,639,185.7180
DRILLED: November 11, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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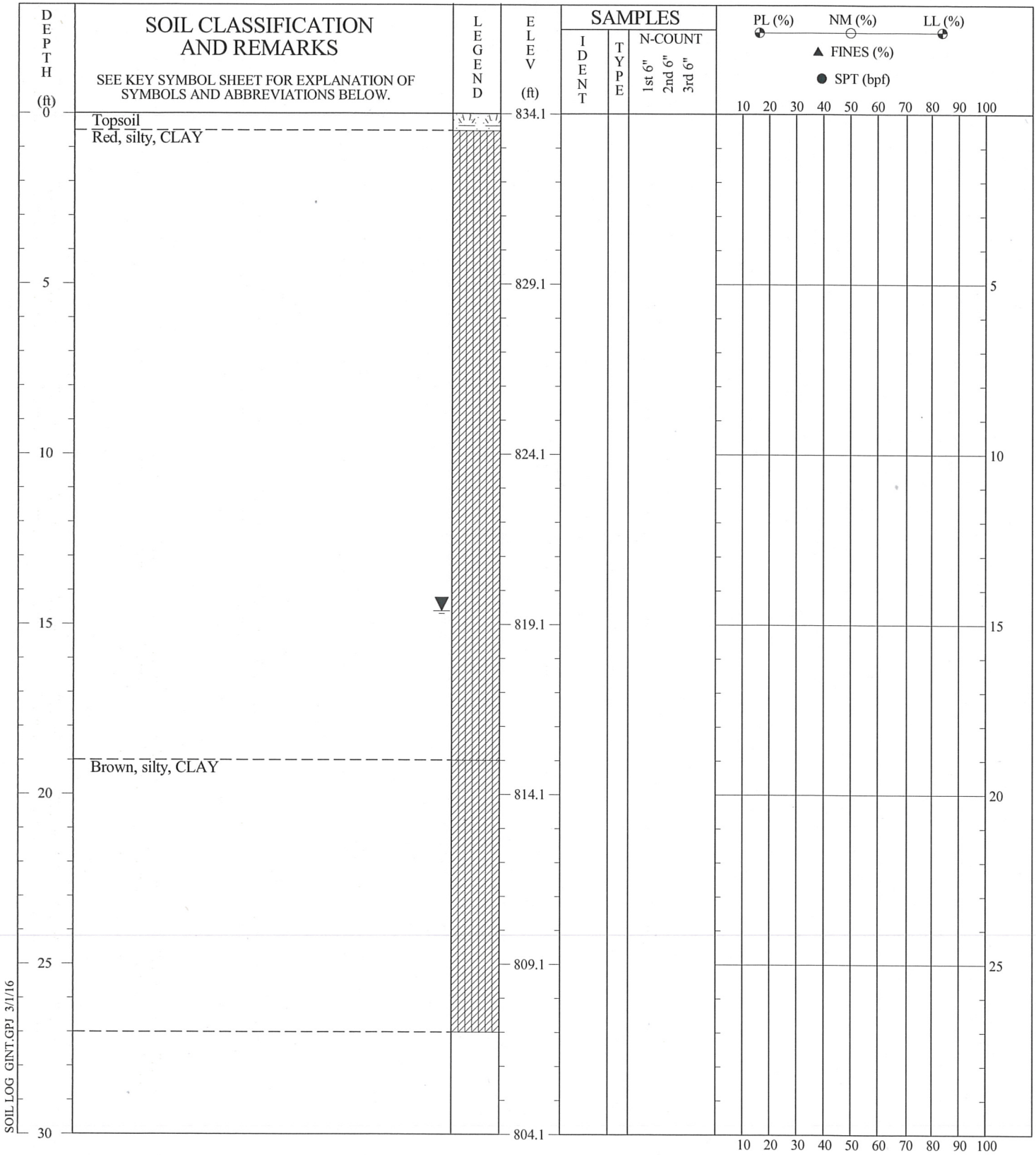

SOIL LOG GINT.GPJ 3/1/16

DRILLER:	A.E Drilling
EQUIPMENT:	Geoprobe 8040DT
METHOD:	HSA
HOLE DIA.:	8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-03-21
LATITUDE: 1,039,907.5860
LONGITUDE: 1,639,187.8170
DRILLED: November 11, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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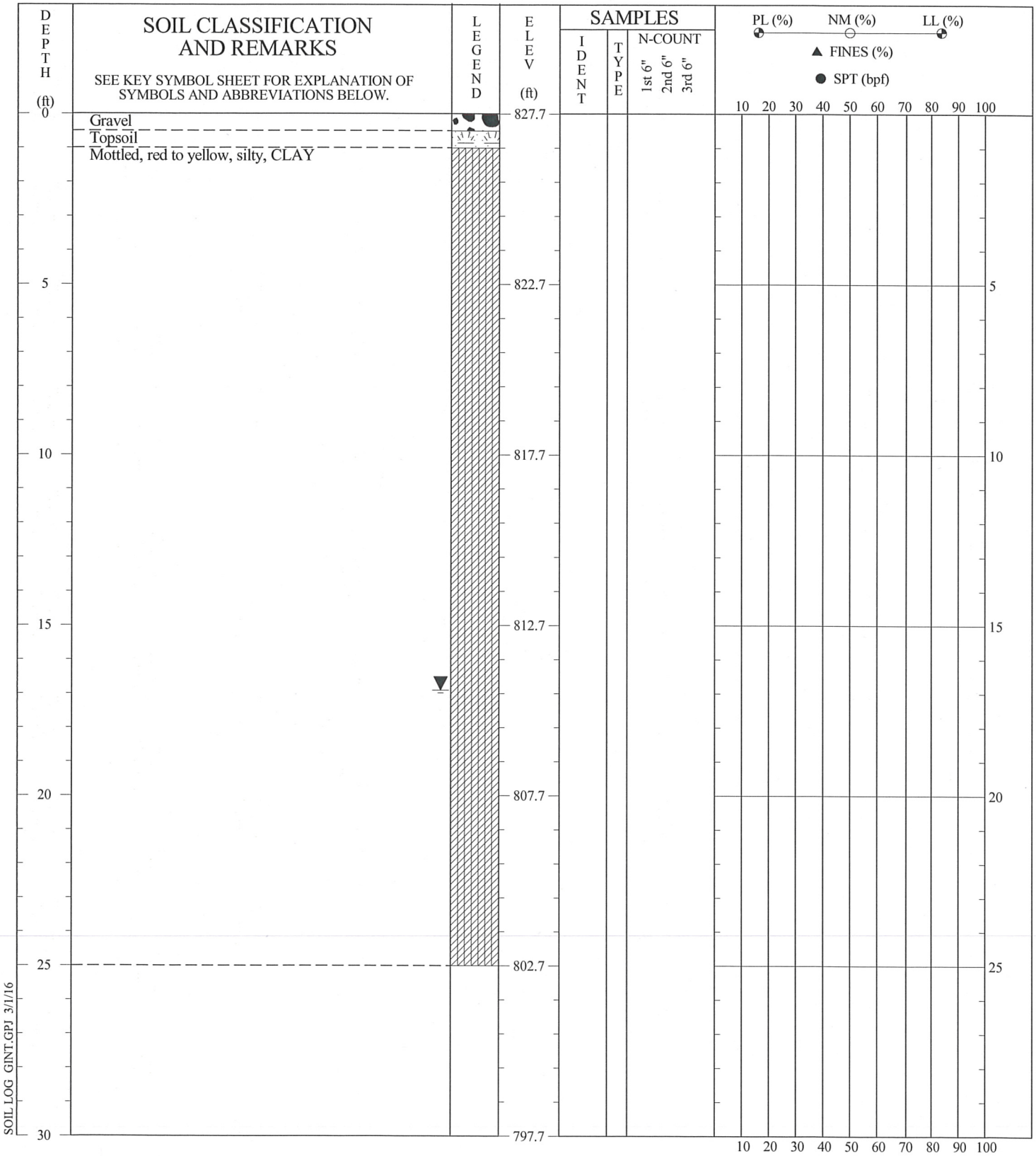


SOIL LOG GINT.GPJ 3/1/16

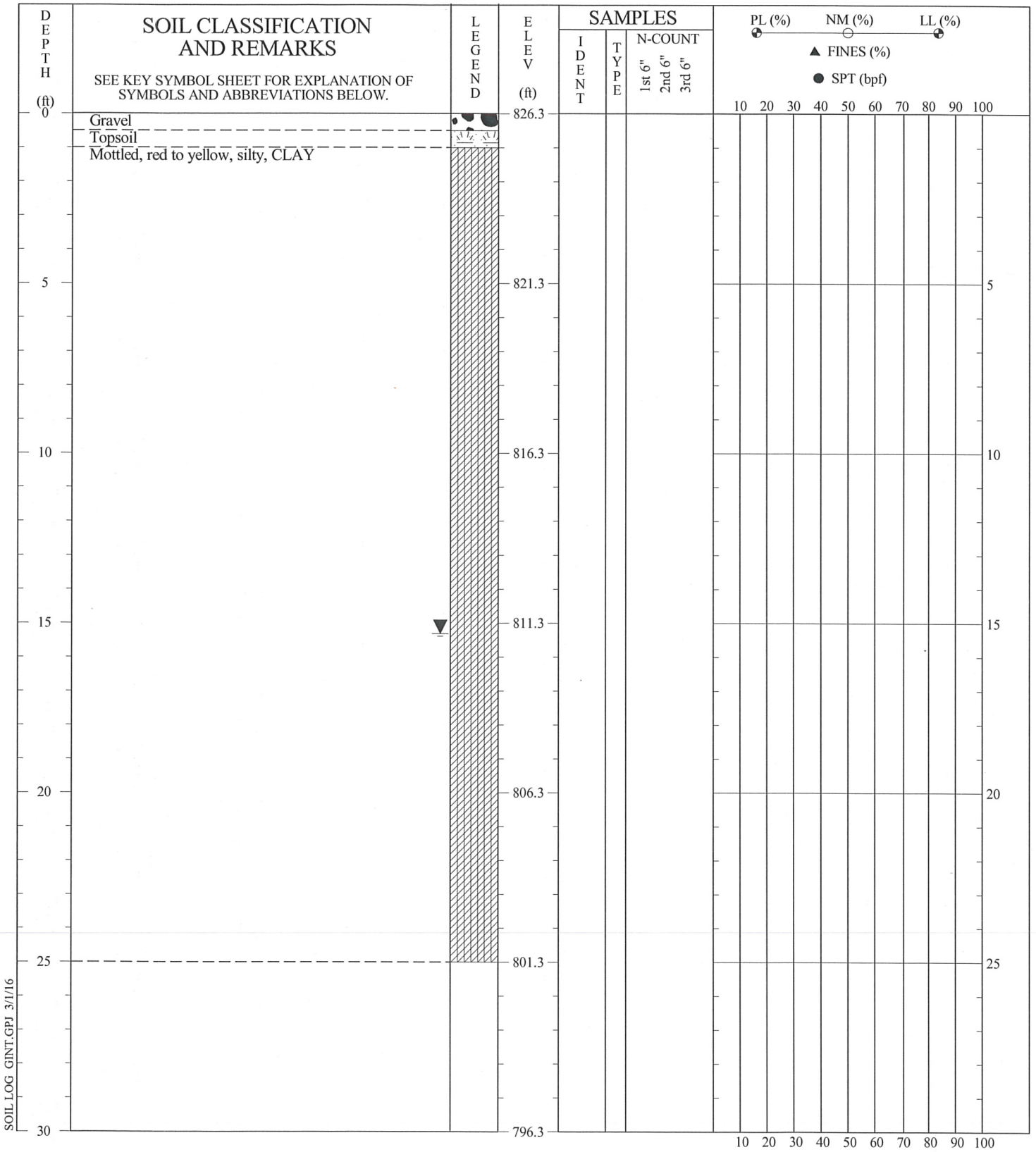
DRILLER:	A.E Drilling
EQUIPMENT:	Geoprobe 8040DT
METHOD:	HSA
HOLE DIA.:	8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:	
PREPARED BY:	LLM 03/01/16
CHECKED BY:	CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-04-22
LATITUDE: 1,039,582.7910
LONGITUDE: 1,639,157.3510
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

amec foster wheeler



SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-04-23
LATITUDE: 1,039,562.3920
LONGITUDE: 1,639,179.0460
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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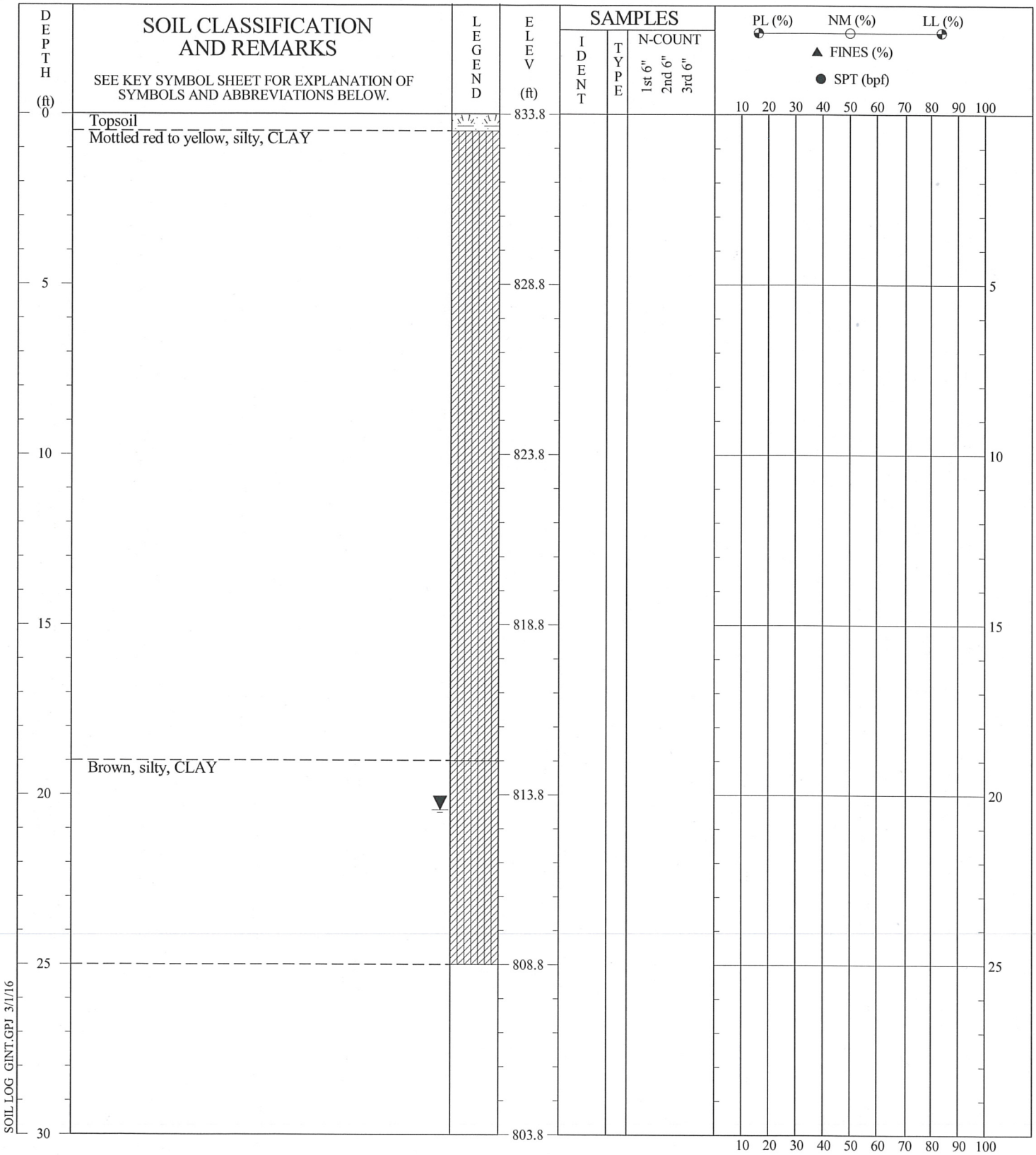

SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-02-24
LATITUDE: 1,039,843.8490
LONGITUDE: 1,639,083.9640
DRILLED: November 10, 2014
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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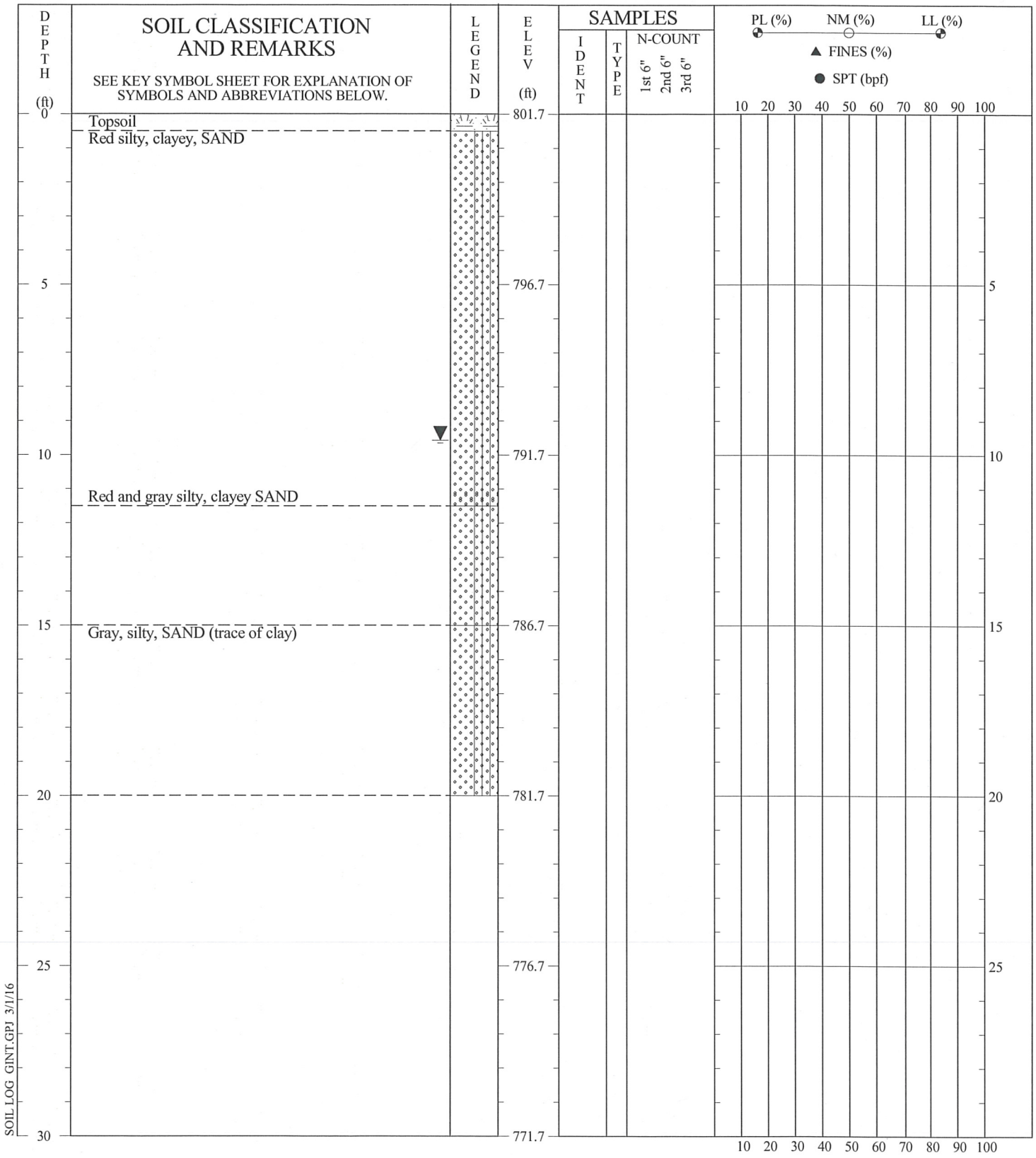

SOIL LOG GINT.GPJ 3/1/16

DRILLER: A.E Drilling
EQUIPMENT: Geoprobe 8040DT
METHOD: HSA
HOLE DIA.: 8.25 inch WELL: Stickup 0' Size 2 inch
REMARKS:

PREPARED BY: LLM 03/01/16
CHECKED BY: CHB 03/02/16

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL BORING TEST RECORD

PROJECT: RBTC - Fountain Inn, SC **BORING NO.:** MW-09-25
LATITUDE: 1,039,083.6100
LONGITUDE: 1,638,635.6690
DRILLED: July 13, 2015
PROJ. NO.: 6251121007 **PAGE 1 OF 1**

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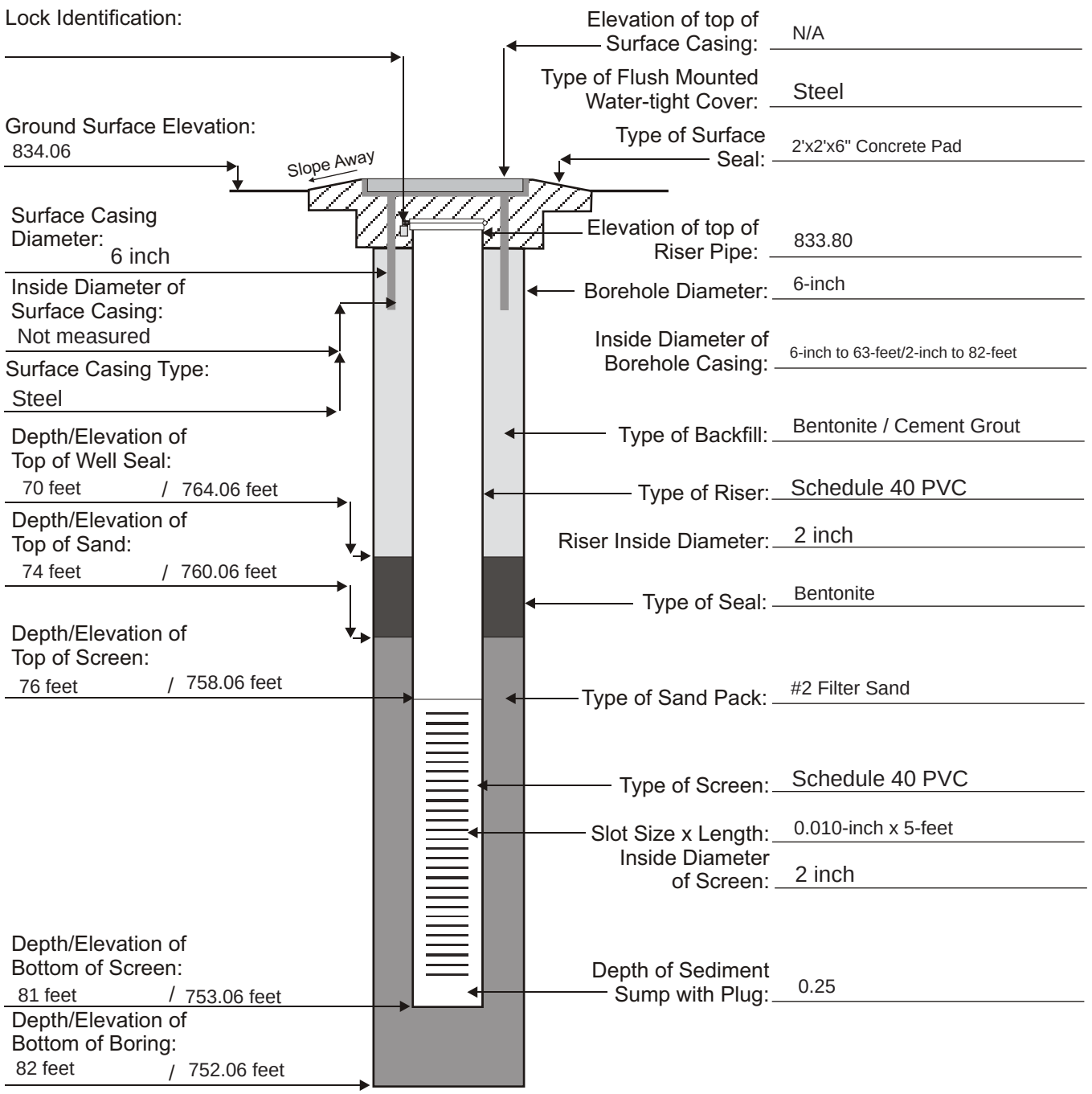
APPENDIX D

MONITORING WELL CONSTRUCTION DIAGRAMS
AND
SOUTH CAROLINA FORM 1903

Monitoring Well Log (Flush Mount Type)

Well No.: MW-08-2D

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-8		
Contractor: A.E. DRILLING	Driller: TOMMY BURNETTE	Driller Certification No.:	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER/AIR HAMMER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 12-3-14	Completed: 12-4-14



Not To Scale

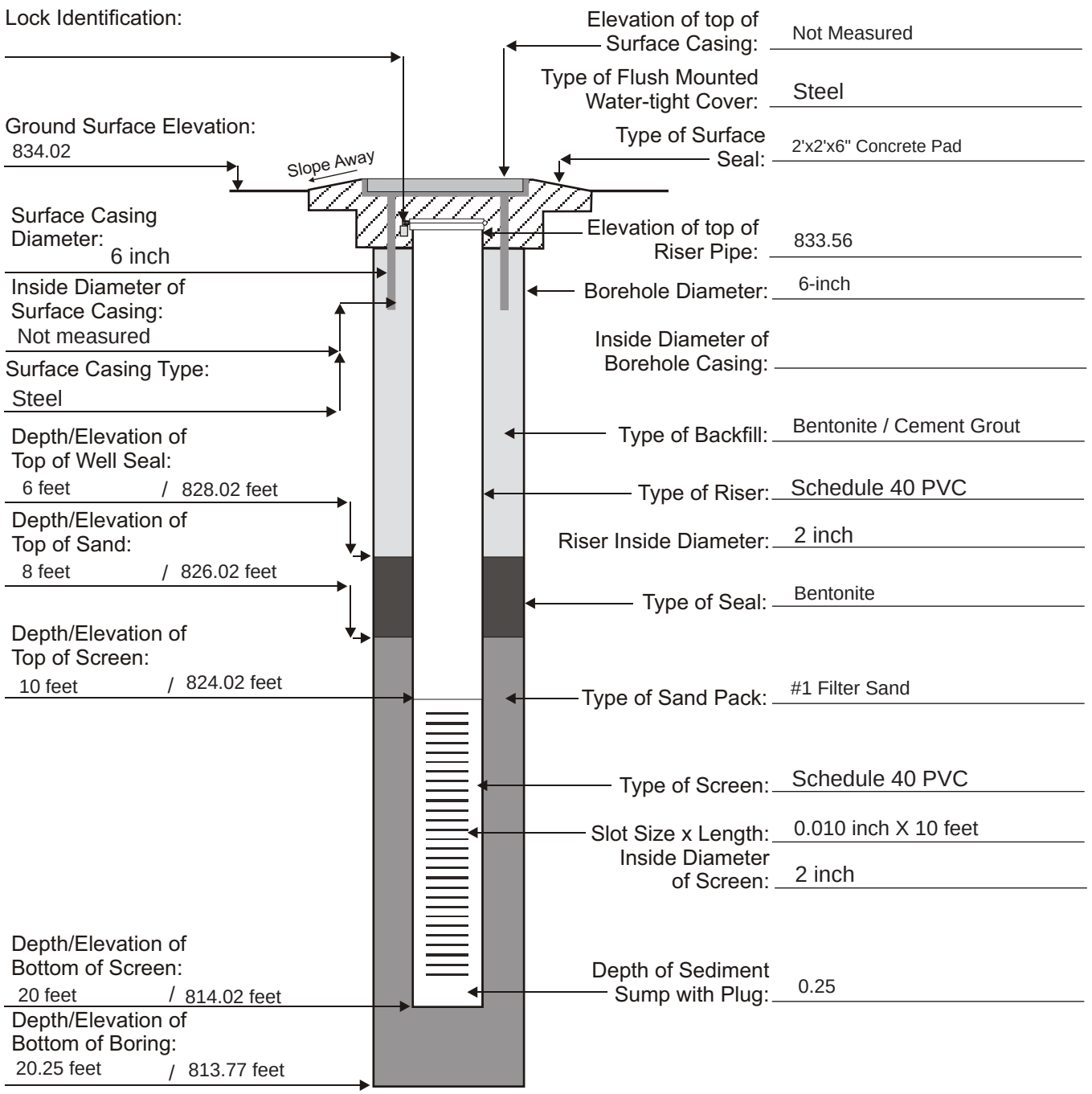
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-08-03

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-3		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-12-14	Completed: 11-13-14



Not To Scale

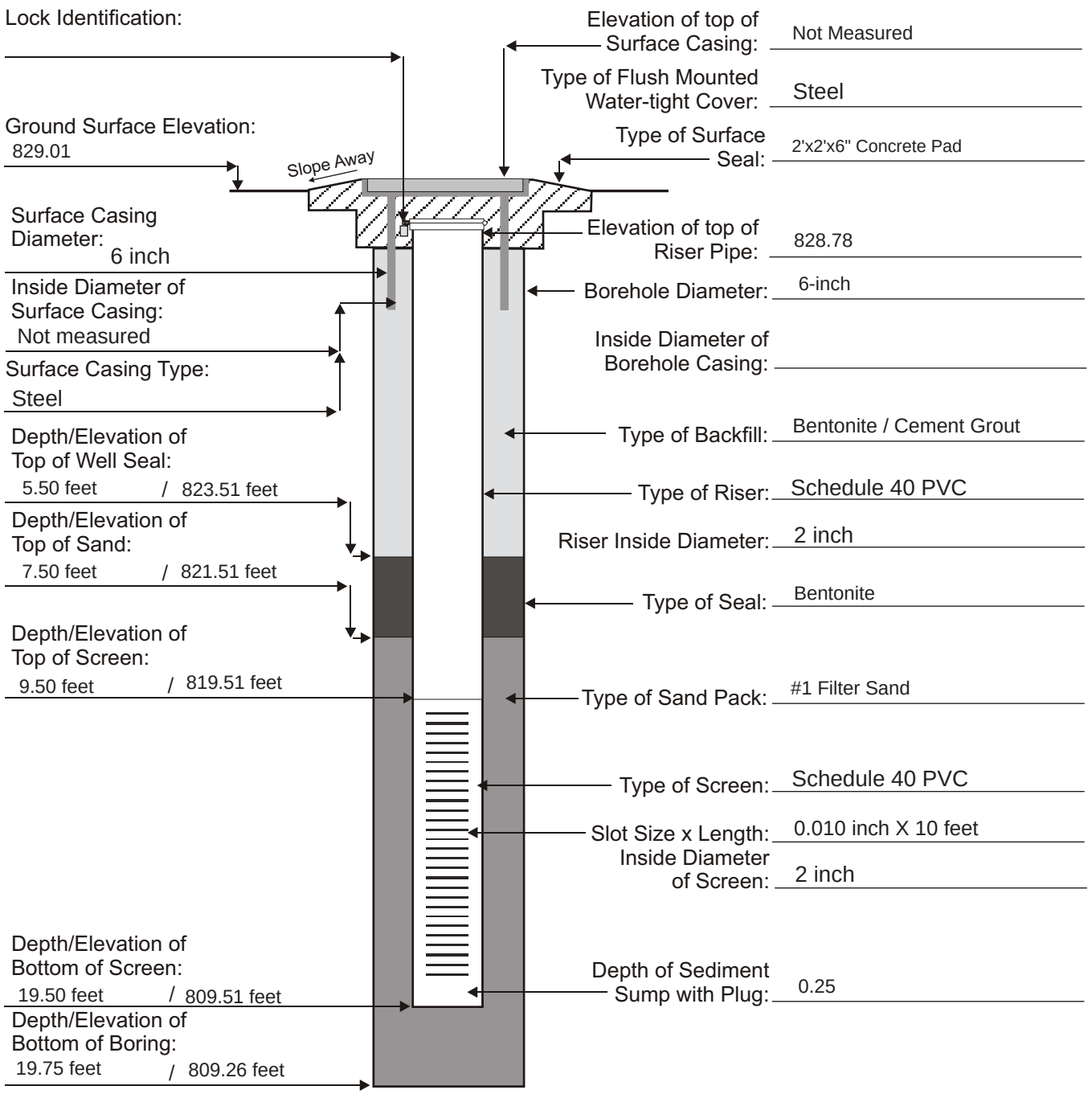
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-08-04

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area:		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-13-14	Completed: 11-13-14



Not To Scale

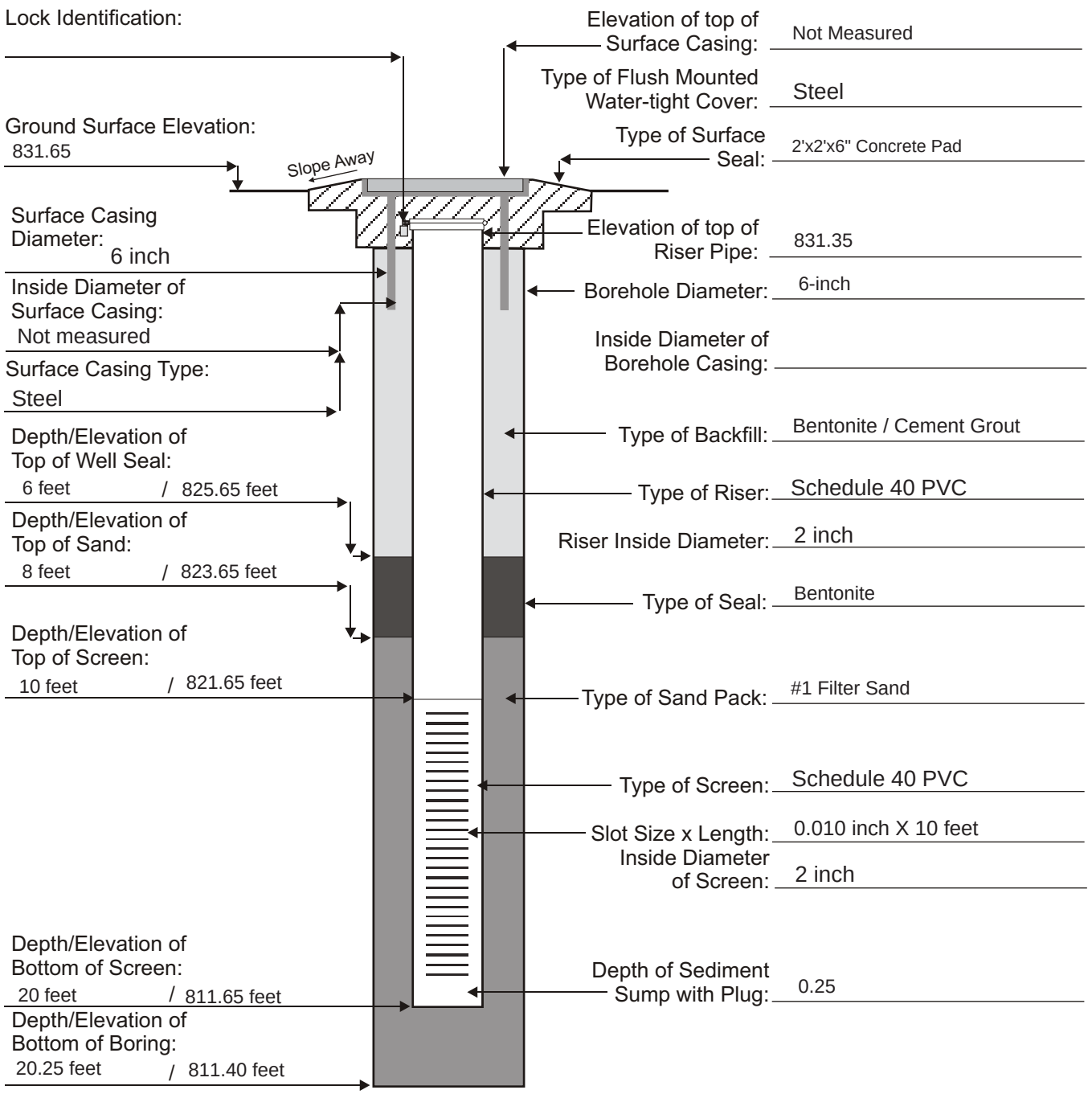
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-08-05

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-8		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-12-14	Completed: 11-13-14



Not To Scale

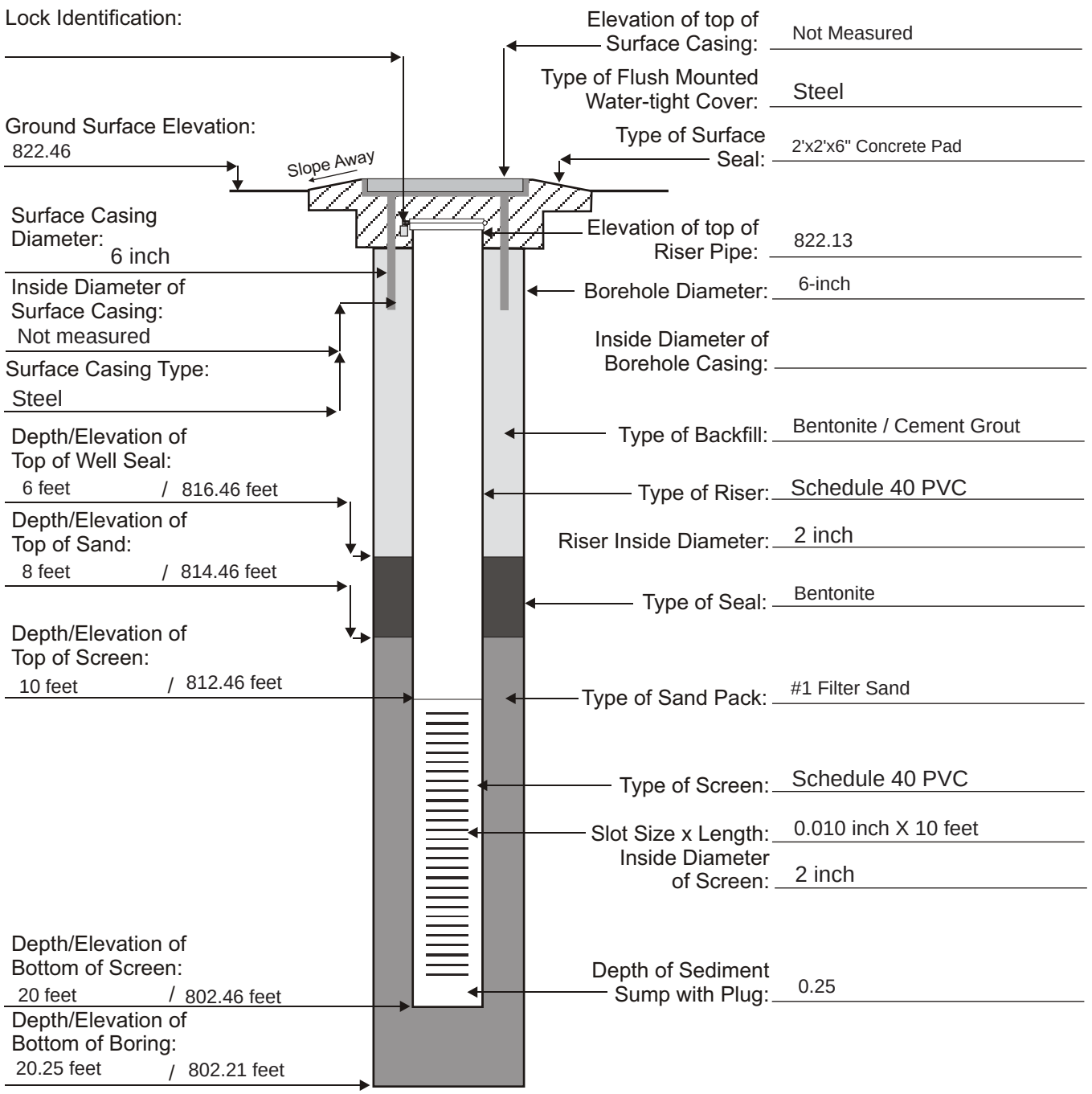
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-06

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-12-14	Completed: 11-13-14



Not To Scale

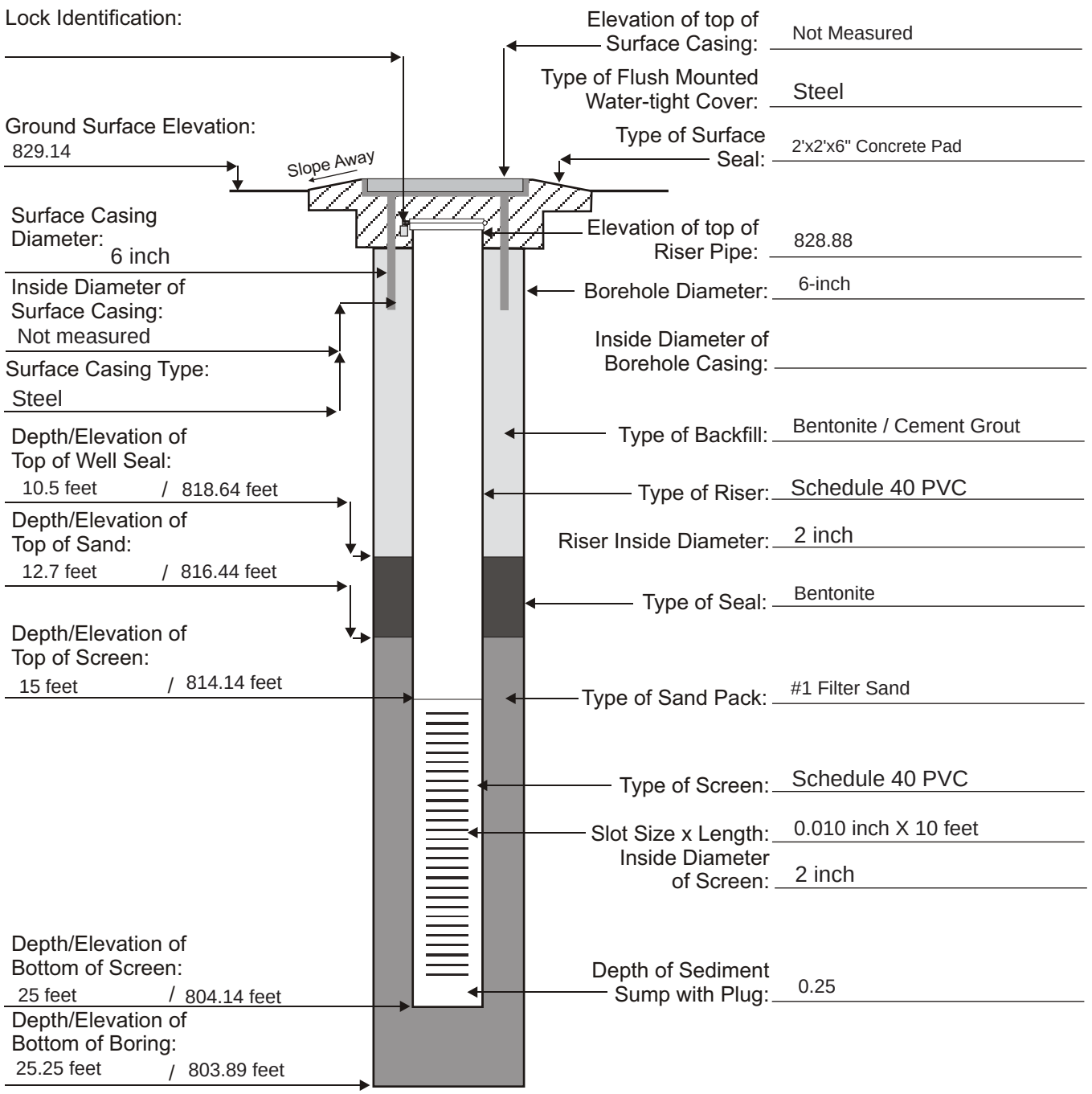
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-07

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: RANDY PHILLIPS	Driller Certification No.: 1096	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 7-16-15	Completed: 7-17-15



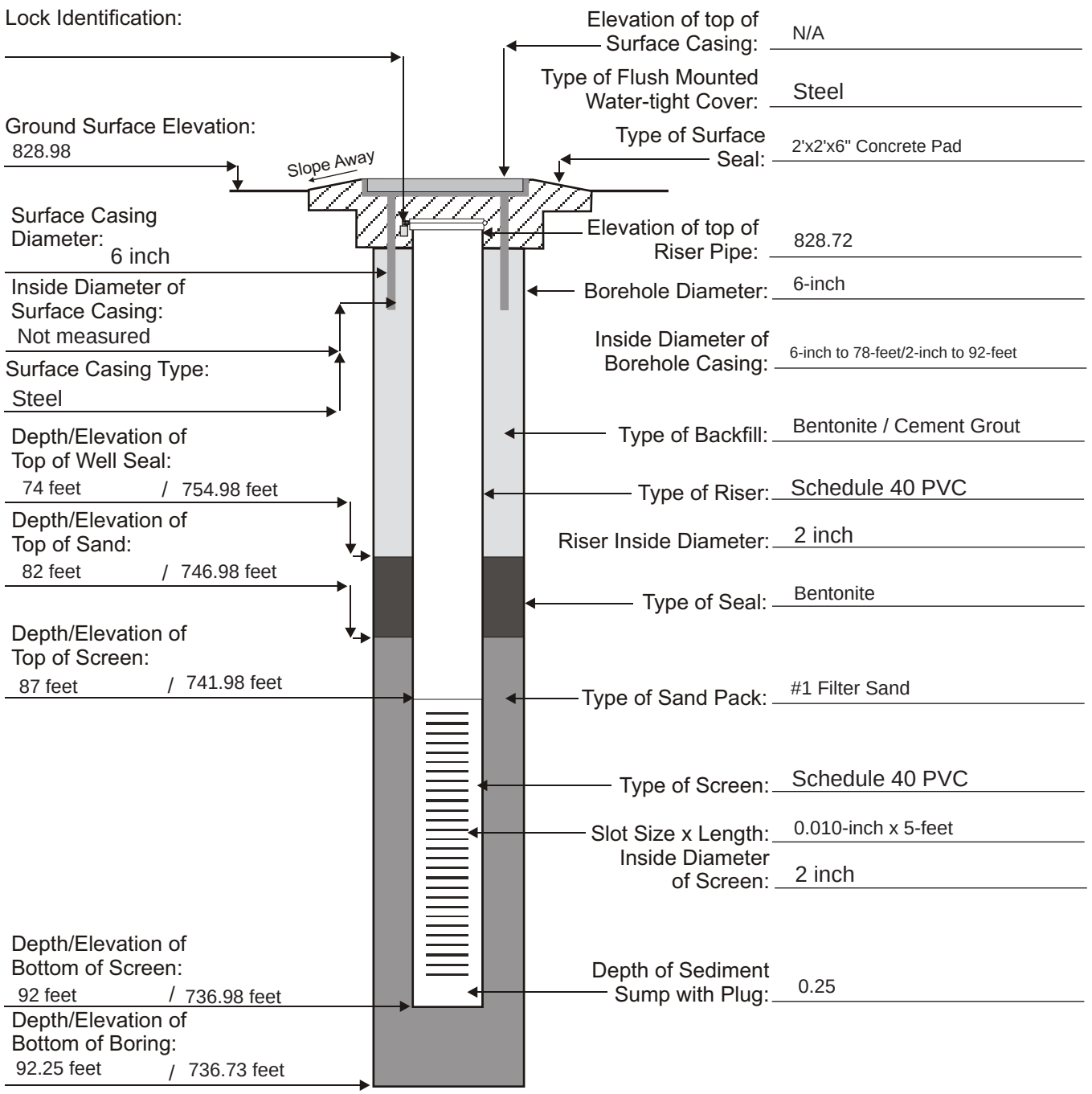
Not To Scale

AMEC E&I, INC.

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-08D

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: RANDY PHILLIPS	Driller Certification No.: 1096	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER/AIR HAMMER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 7-15-15	Completed: 7-17-15



Lock Identification:

Ground Surface Elevation: 828.98

Surface Casing Diameter: 6 inch

Inside Diameter of Surface Casing: Not measured

Surface Casing Type: Steel

Depth/Elevation of Top of Well Seal: 74 feet / 754.98 feet

Depth/Elevation of Top of Sand: 82 feet / 746.98 feet

Depth/Elevation of Top of Screen: 87 feet / 741.98 feet

Depth/Elevation of Bottom of Screen: 92 feet / 736.98 feet

Depth/Elevation of Bottom of Boring: 92.25 feet / 736.73 feet

Elevation of top of Surface Casing: N/A

Type of Flush Mounted Water-tight Cover: Steel

Type of Surface Seal: 2'x2'x6" Concrete Pad

Elevation of top of Riser Pipe: 828.72

Borehole Diameter: 6-inch

Inside Diameter of Borehole Casing: 6-inch to 78-feet/2-inch to 92-feet

Type of Backfill: Bentonite / Cement Grout

Type of Riser: Schedule 40 PVC

Riser Inside Diameter: 2 inch

Type of Seal: Bentonite

Type of Sand Pack: #1 Filter Sand

Type of Screen: Schedule 40 PVC

Slot Size x Length: 0.010-inch x 5-feet

Inside Diameter of Screen: 2 inch

Depth of Sediment Sump with Plug: 0.25

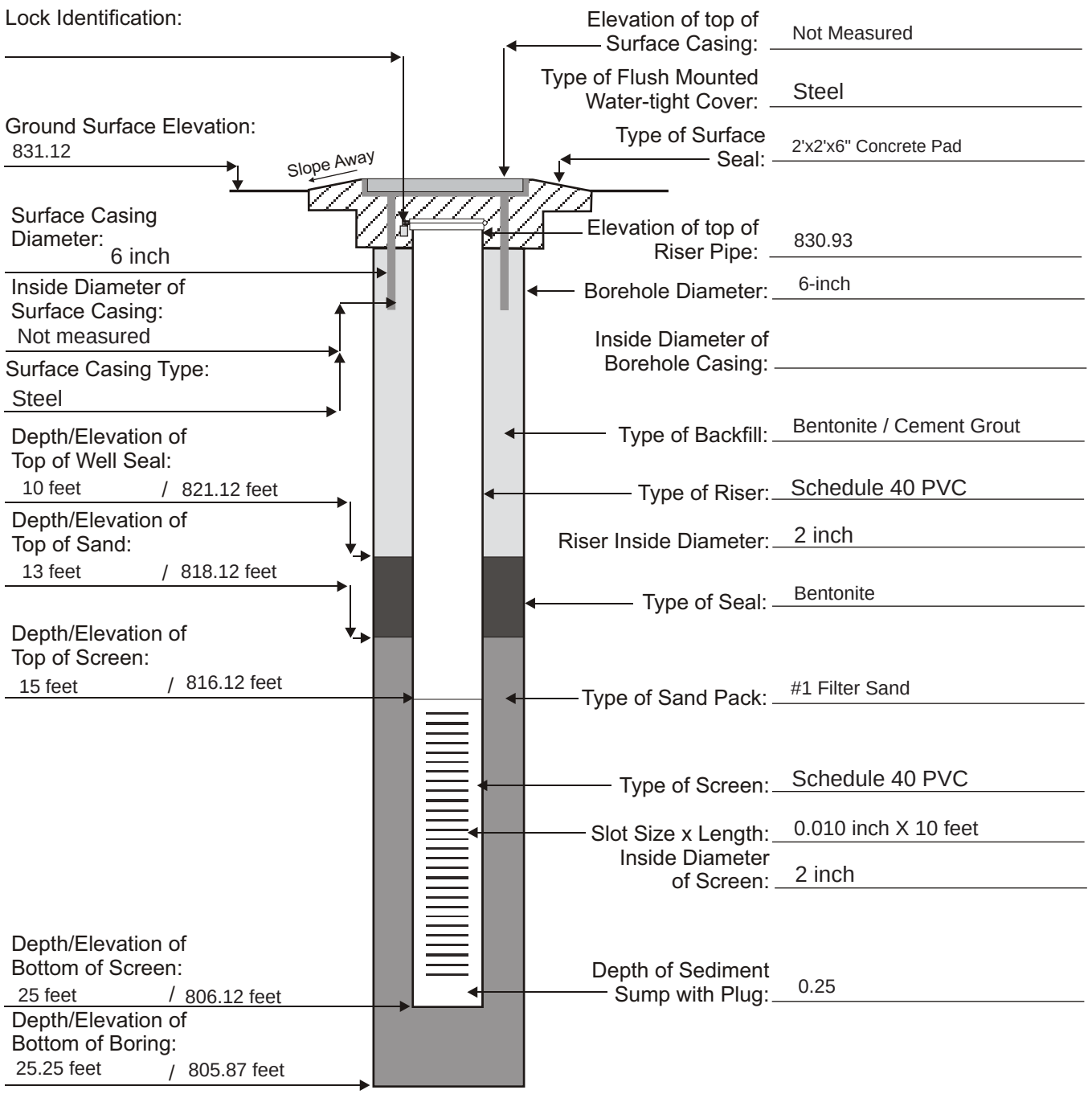
Not To Scale

AMEC E&I, INC.

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-09

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: GEOPROBE 8040 DT	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-10-14	Completed: 11-13-14



Not To Scale

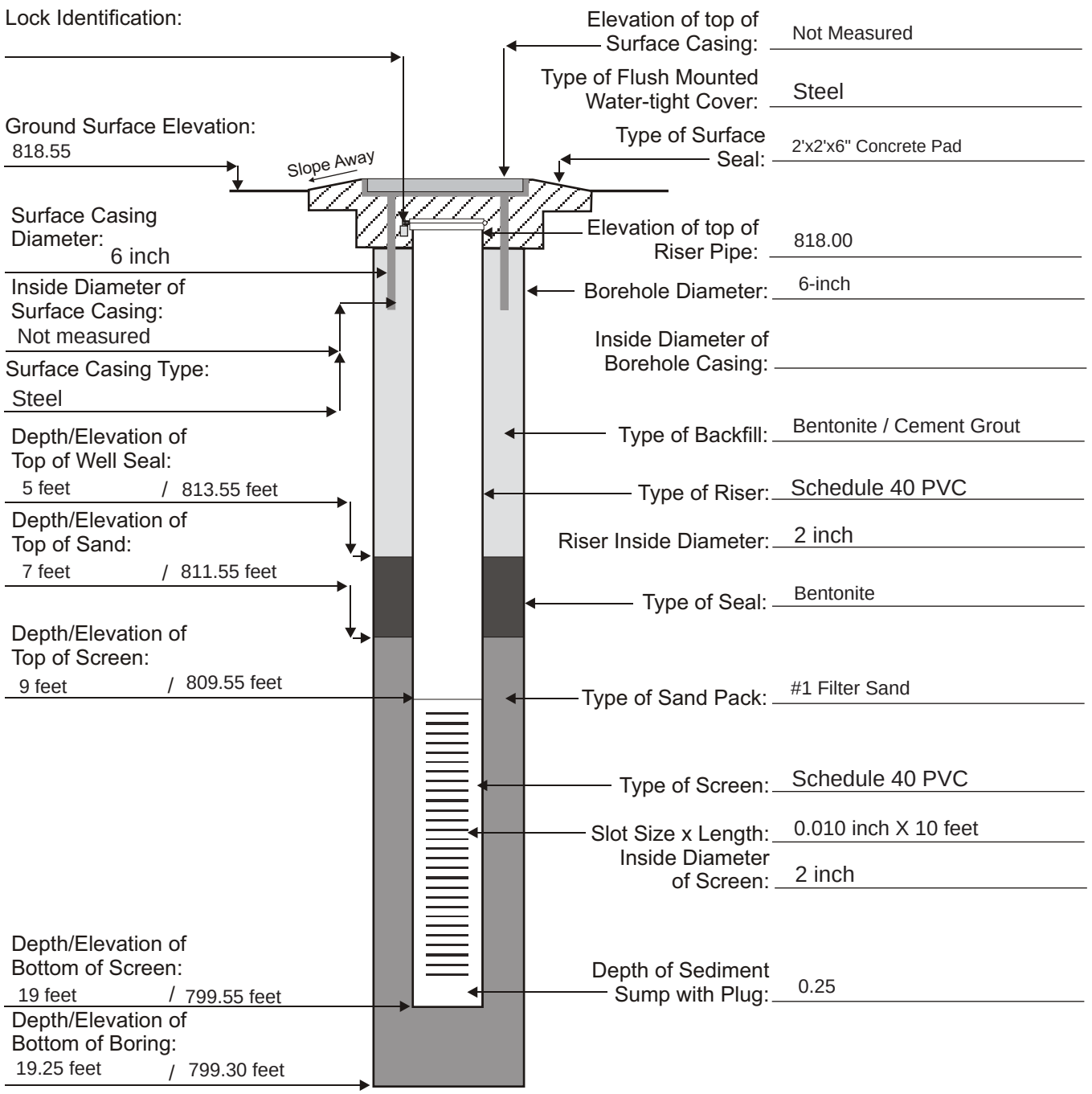
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-10

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-13-14	Completed: 11-14-14



Not To Scale

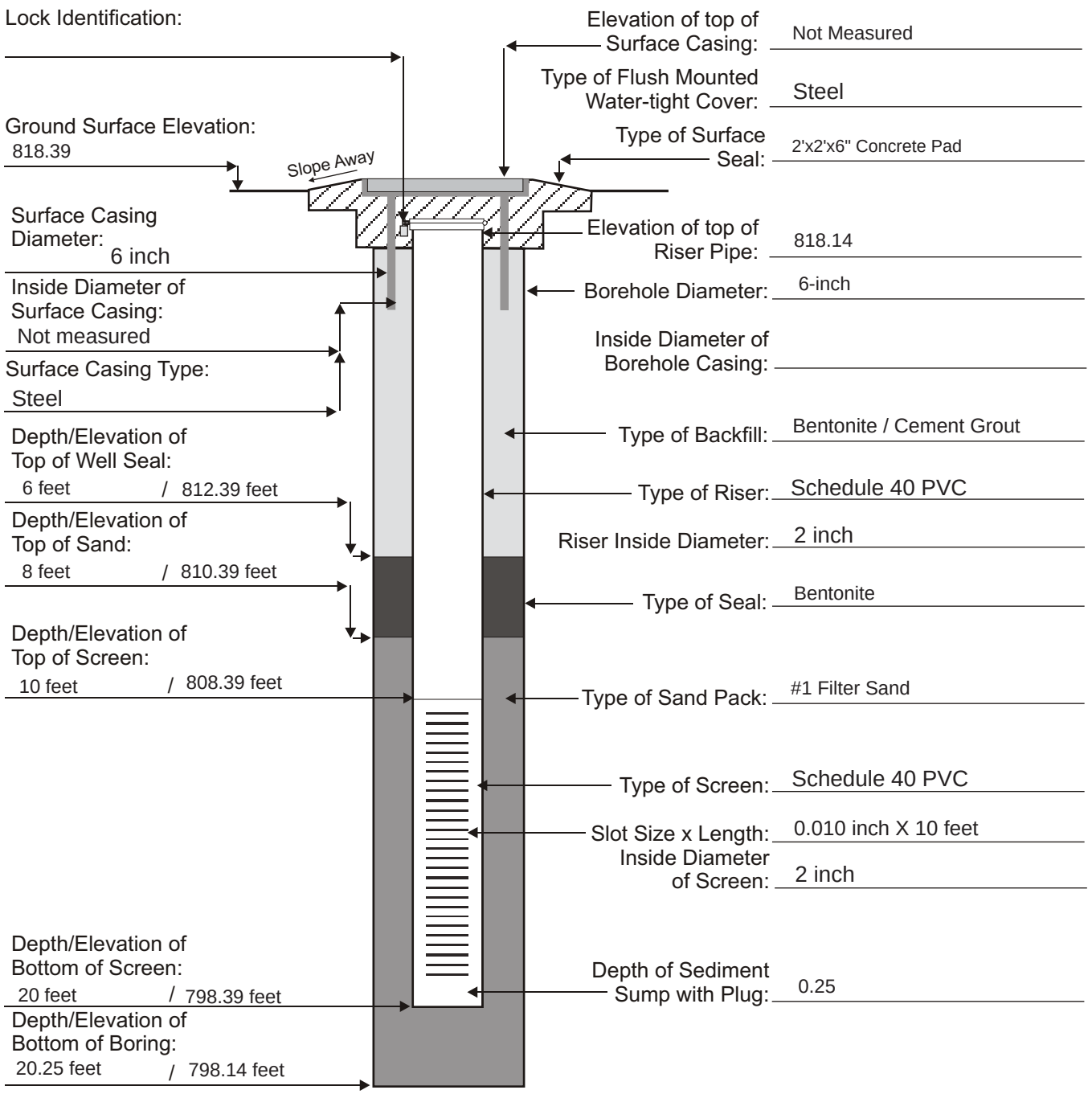
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-11

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-13-14	Completed: 11-13-14



Not To Scale

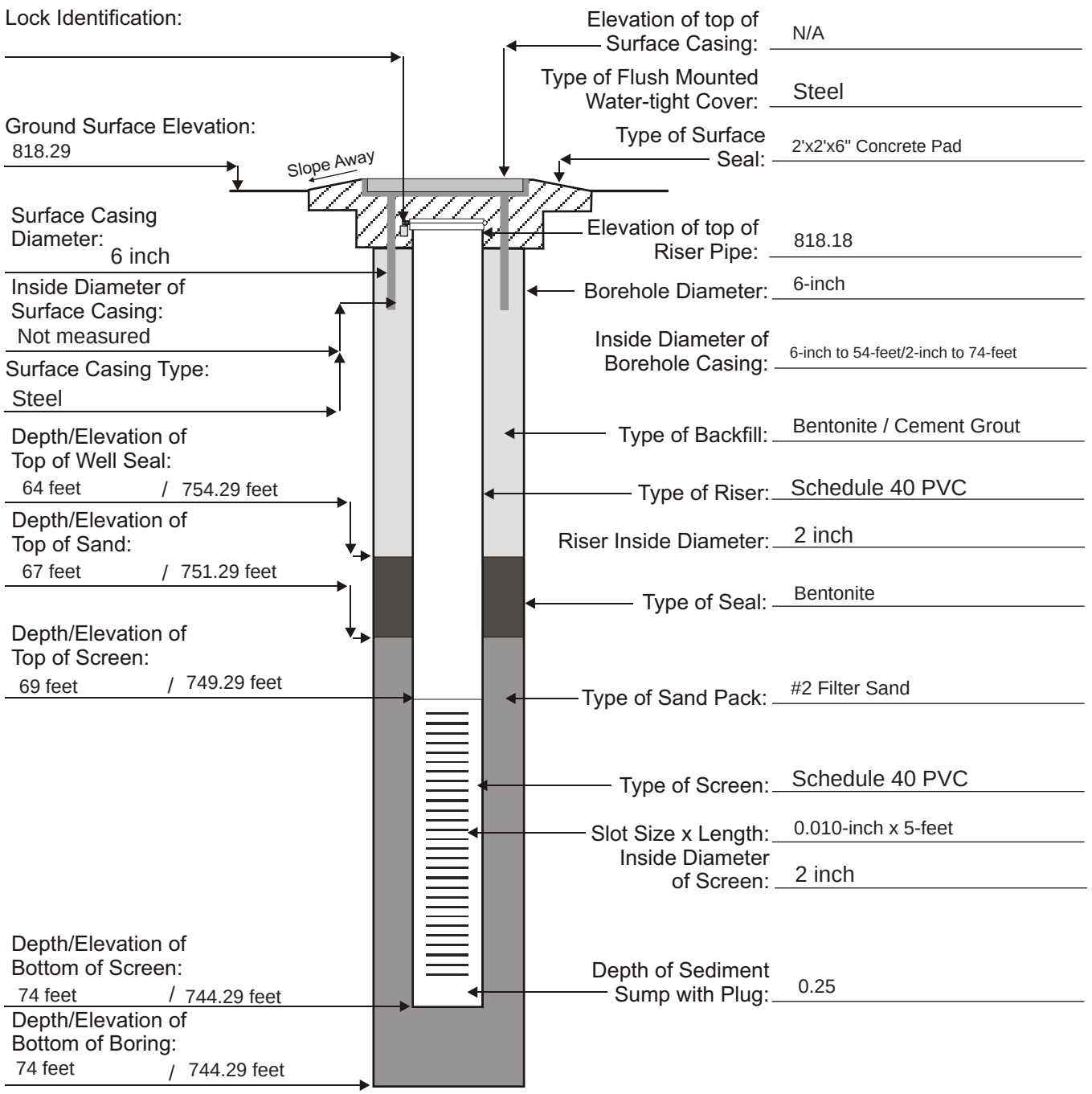
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-12D

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: FT. DEARBORN		
Contractor: A.E. DRILLING	Driller: TOMMY BURNETTE	Driller Certification No.:	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER/AIR HAMMER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-20-14	Completed: 12-4-14



Not To Scale

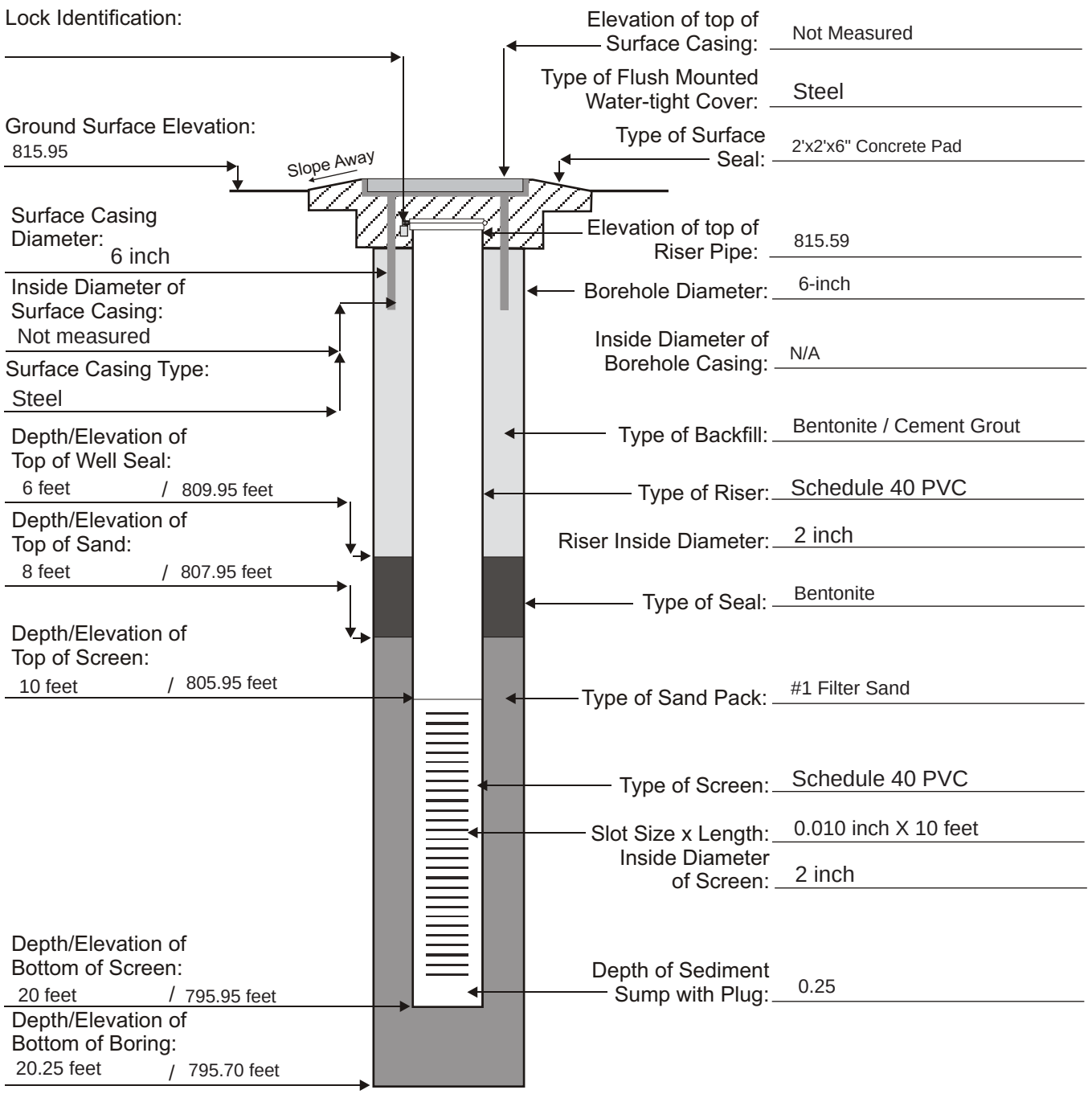
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-13

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-13-14	Completed: 11-13-14



Not To Scale

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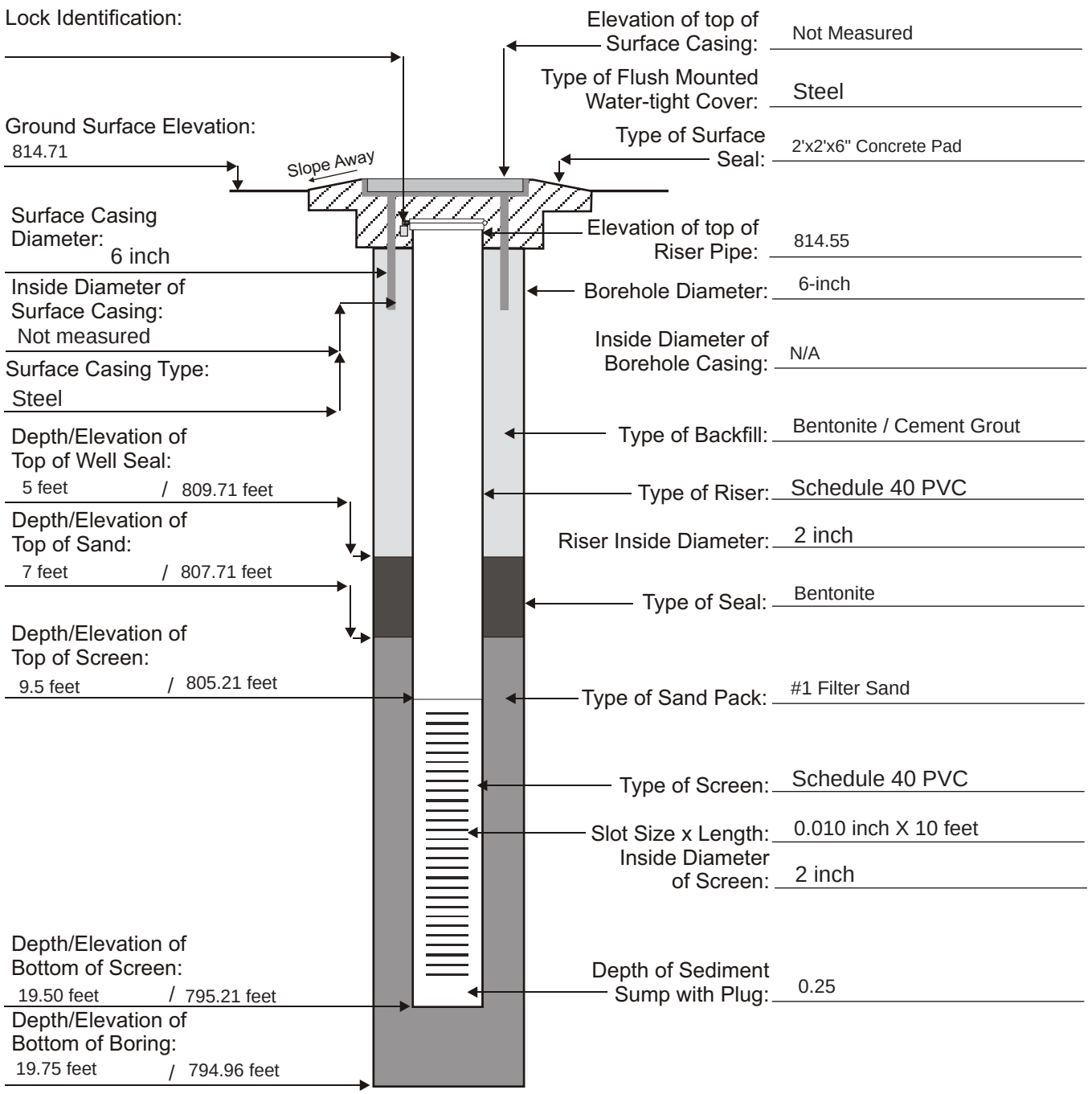
Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-14

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-18-14	Completed: 11-18-14



Not To Scale

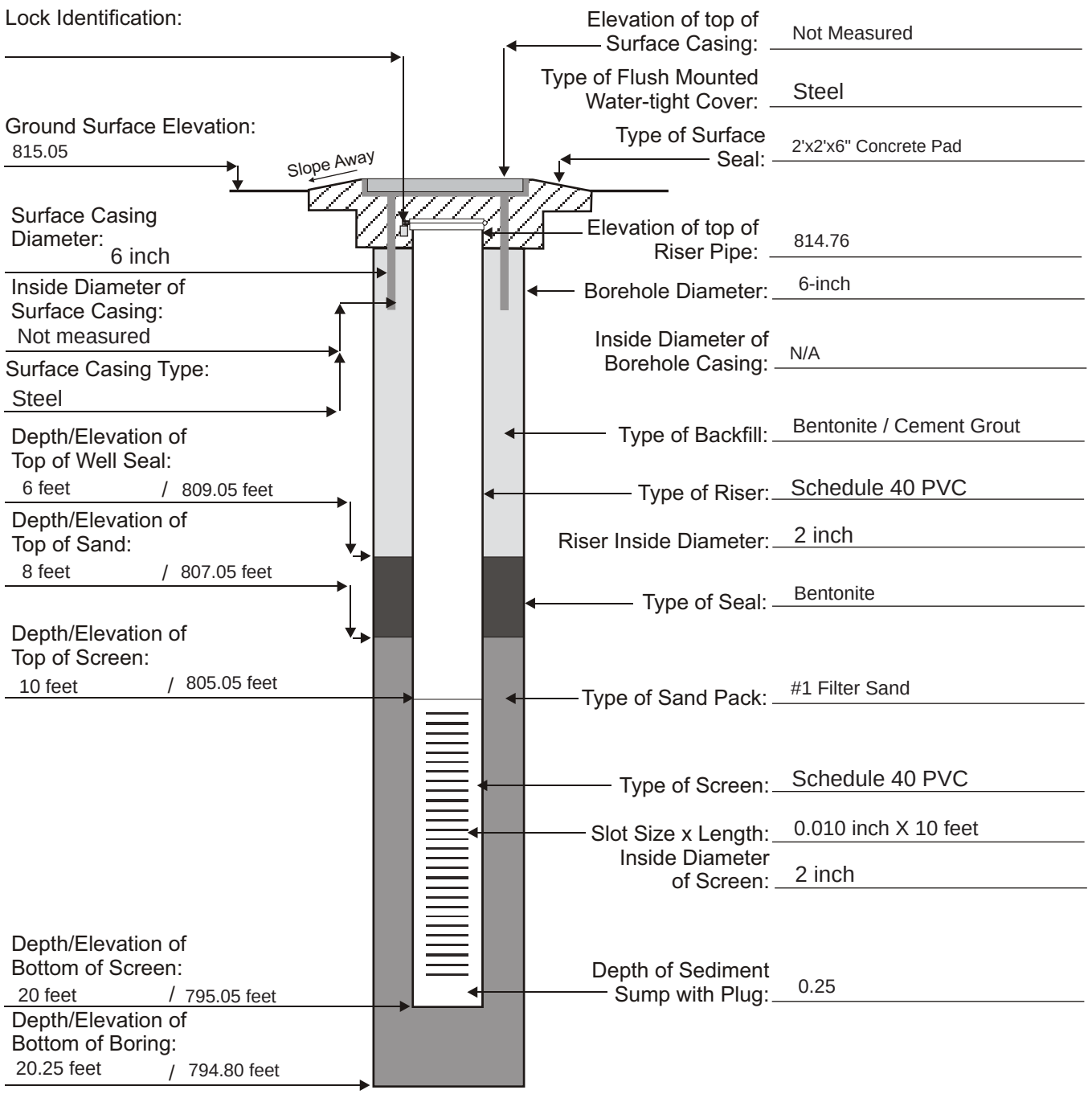
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-15

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-14-14	Completed: 11-14-14



Not To Scale

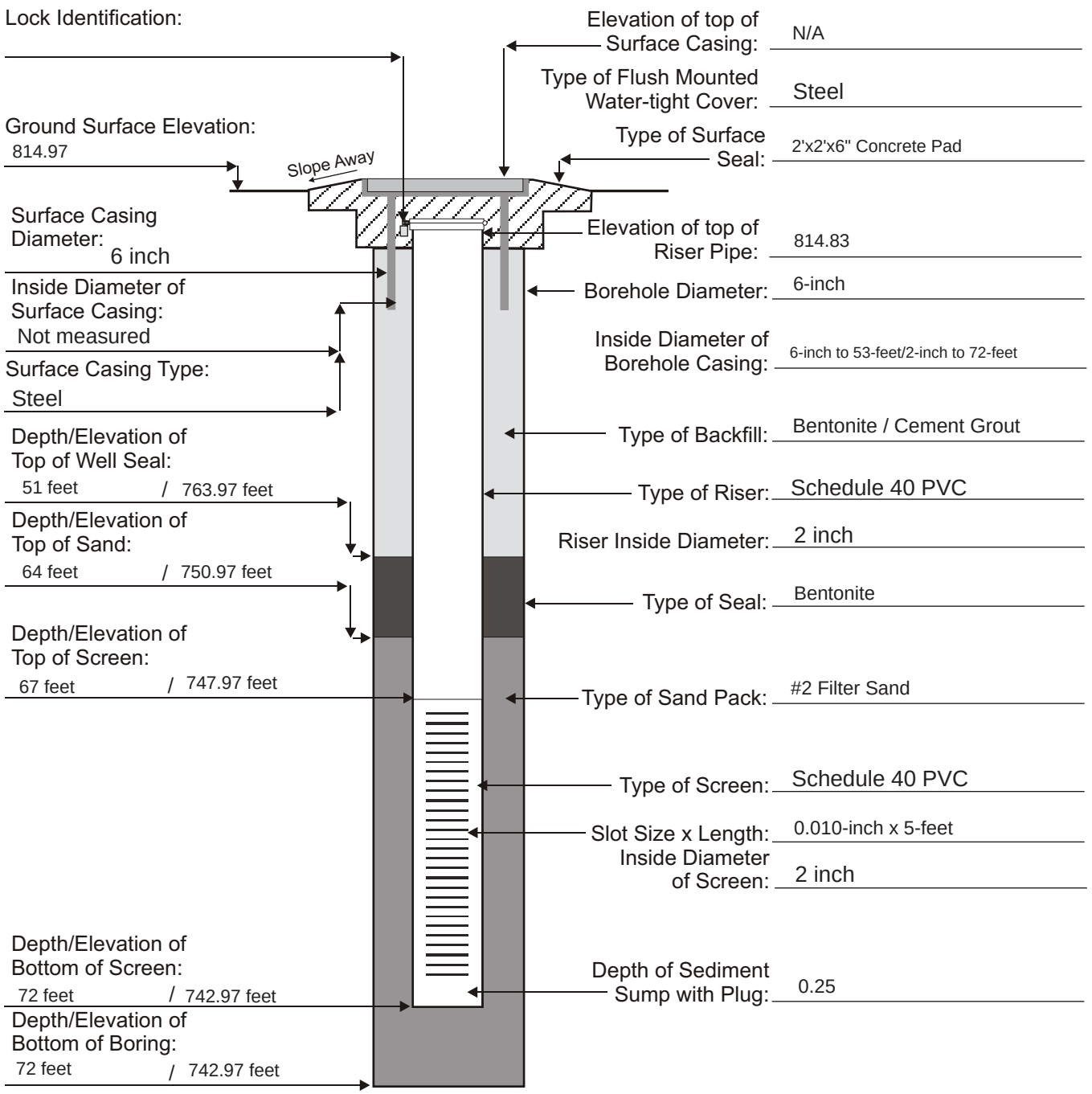
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-16D

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-09 / FT. DEARBORN		
Contractor: A.E. DRILLING	Driller: TOMMY BURNETTE	Driller Certification No.:	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER/AIR HAMMER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-21-14	Completed: 12-4-14



Not To Scale

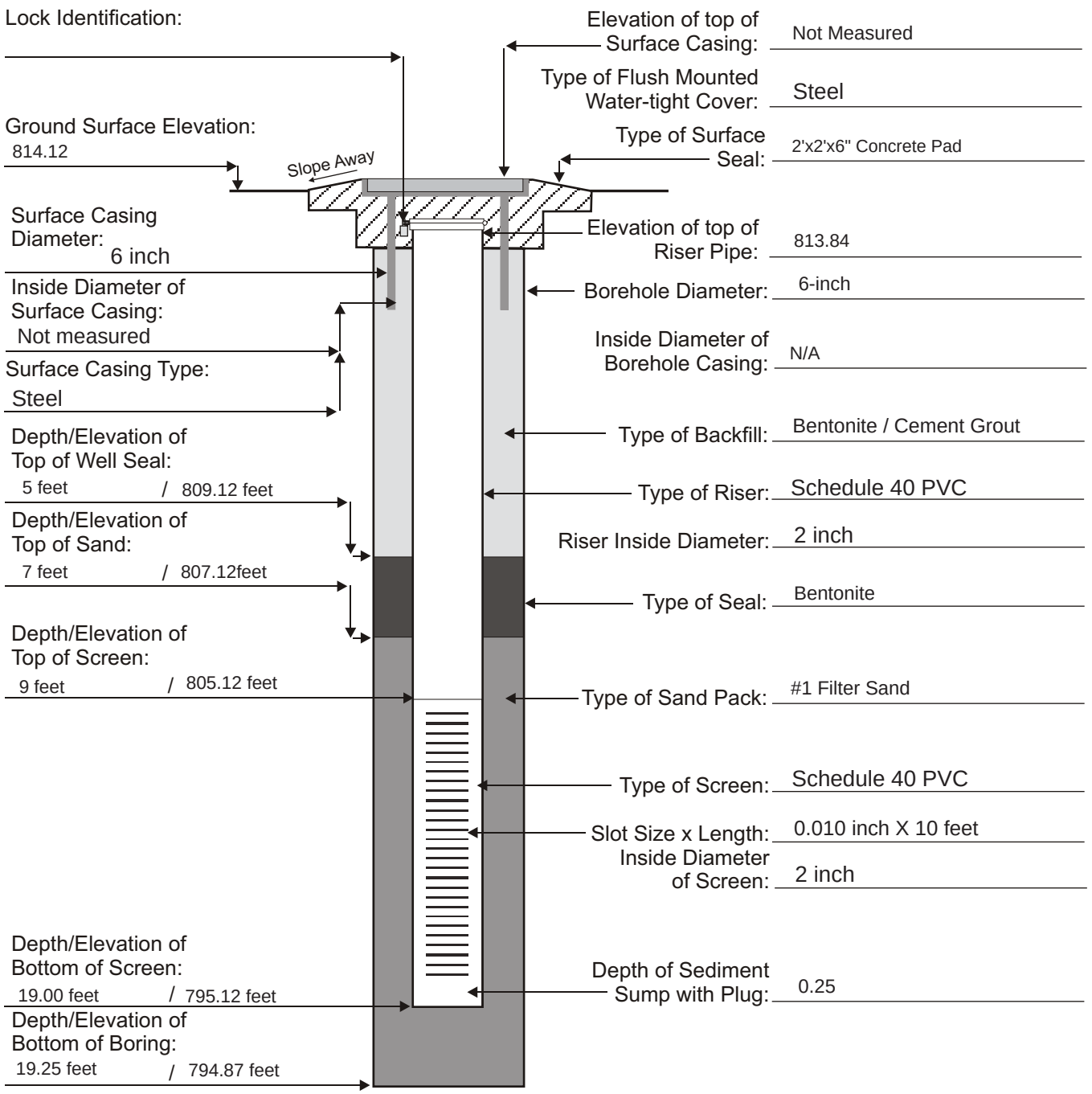
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-17

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-18-14	Completed: 11-18-14



Not To Scale

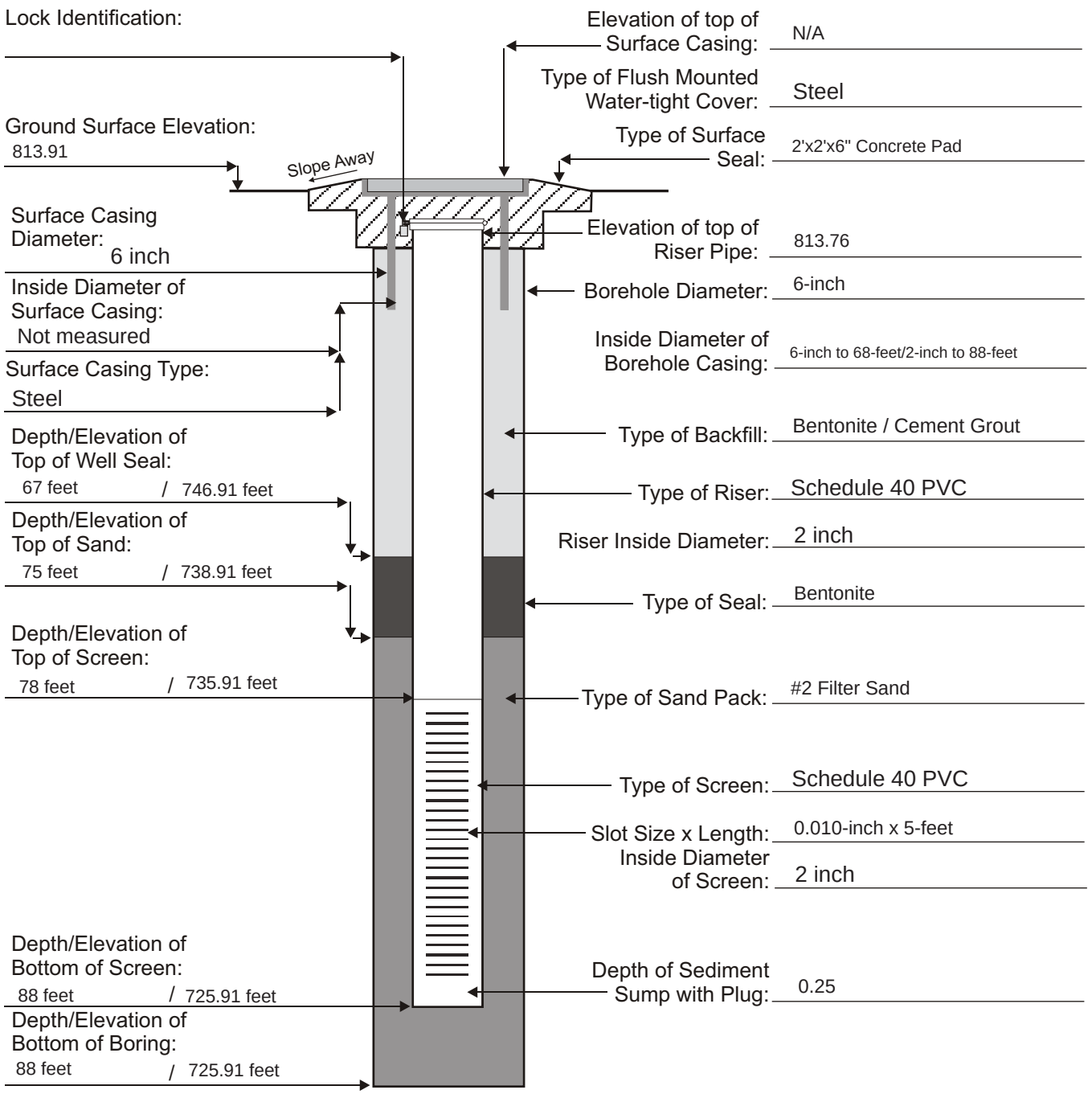
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-18D

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-09		
Contractor: A.E. DRILLING	Driller: TOMMY BURNETTE	Driller Certification No.:	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER/AIR HAMMER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-24-14	Completed: 12-4-14



Not To Scale

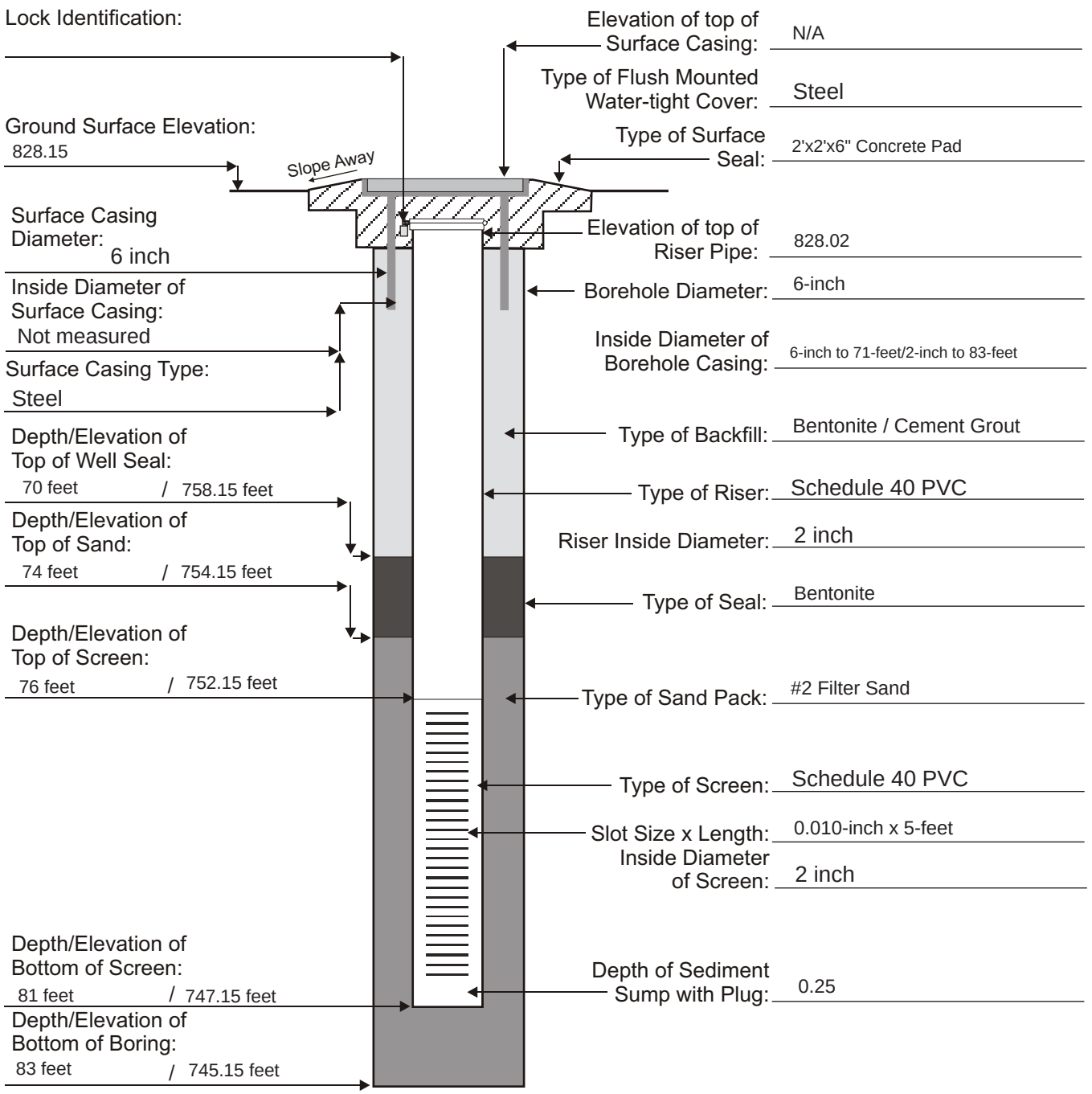
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-19D

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-09		
Contractor: A.E. DRILLING	Driller: TOMMY BURNETTE	Driller Certification No.:	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER/AIR HAMMER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-25-14	Completed: 12-4-14



Not To Scale

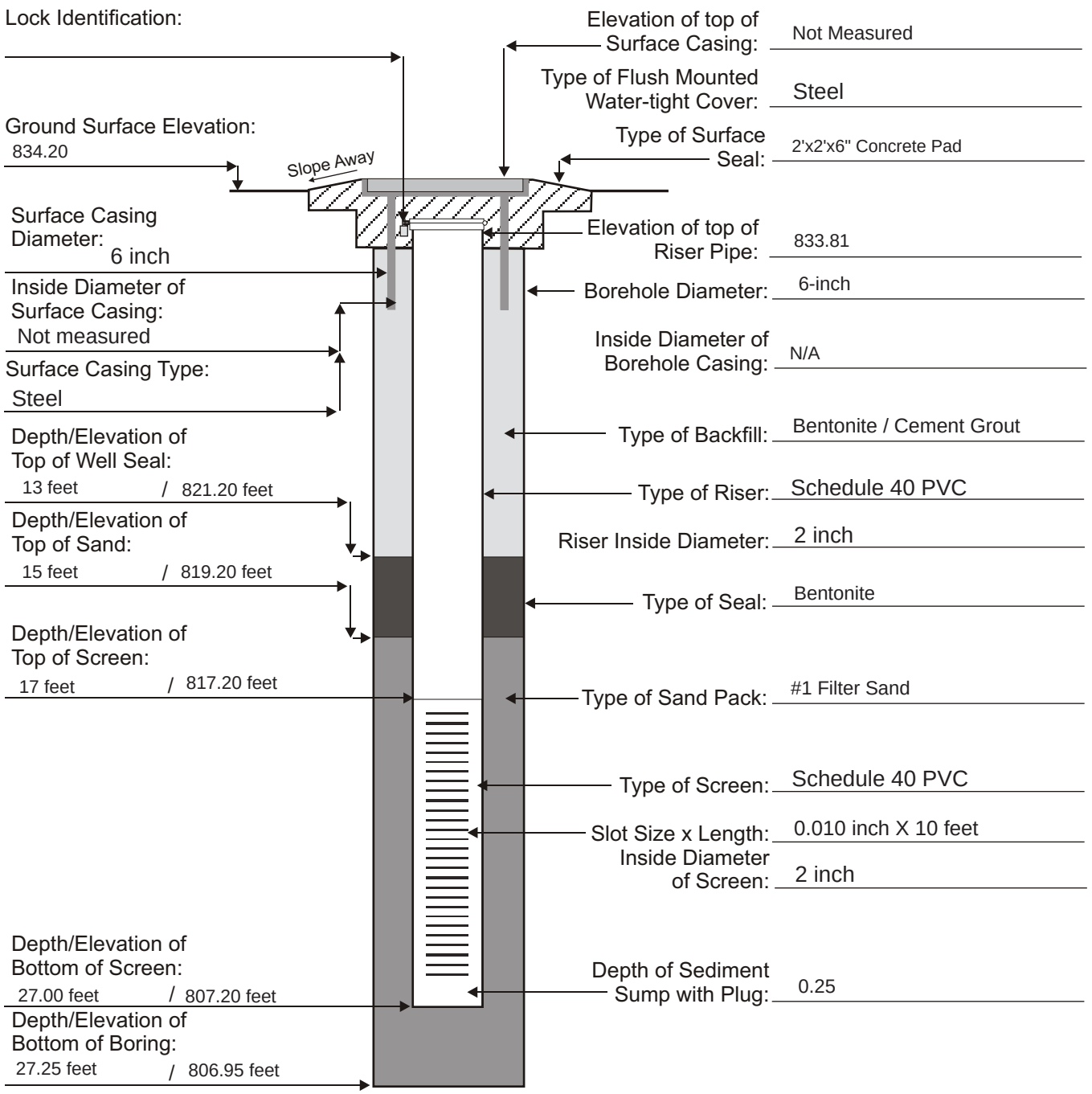
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-03-20

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-3		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-11-14	Completed: 11-14-14



Not To Scale

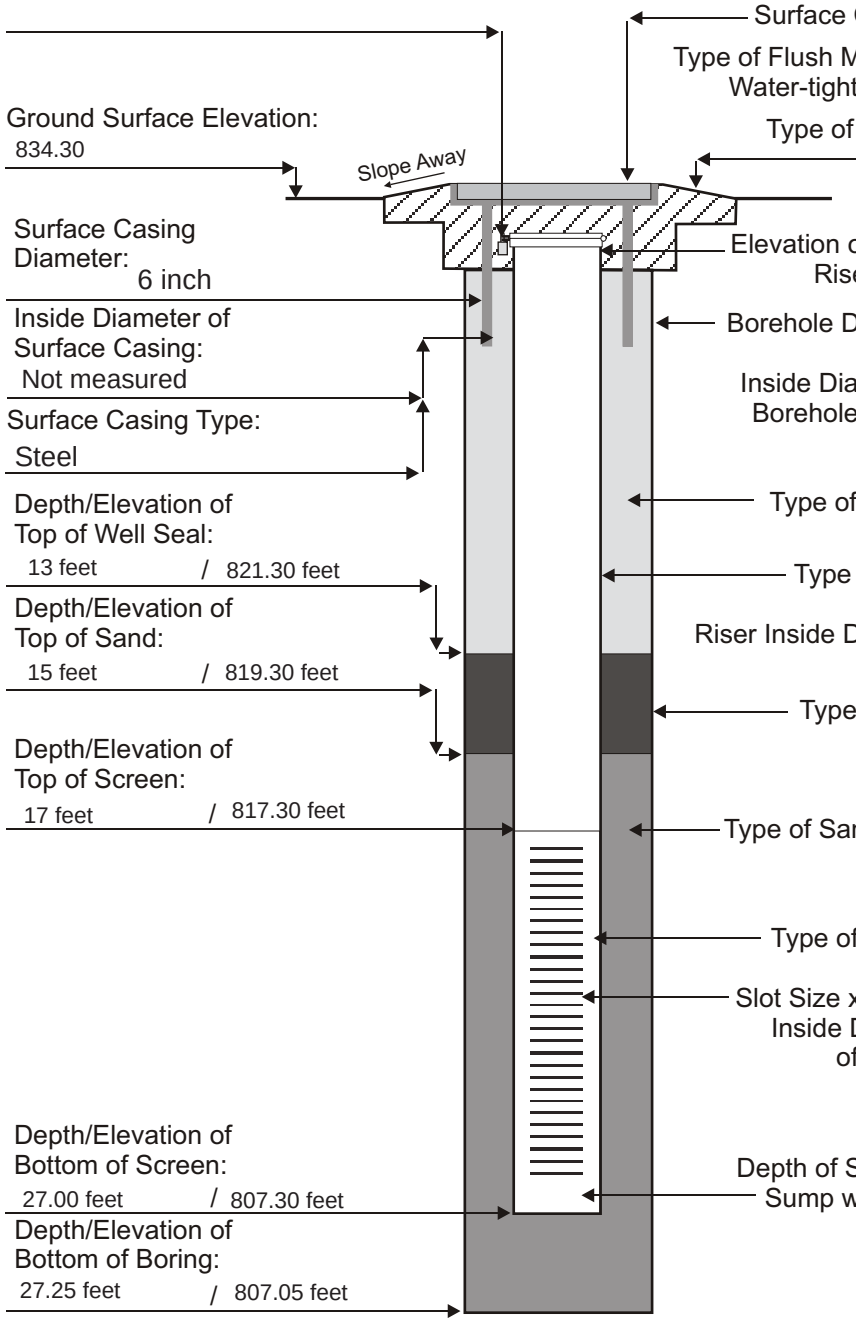
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-03-21

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-3		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-11-14	Completed: 11-14-14



Lock Identification:

Ground Surface Elevation: 834.30

Surface Casing Diameter: 6 inch

Inside Diameter of Surface Casing: Not measured

Surface Casing Type: Steel

Depth/Elevation of Top of Well Seal: 13 feet / 821.30 feet

Depth/Elevation of Top of Sand: 15 feet / 819.30 feet

Depth/Elevation of Top of Screen: 17 feet / 817.30 feet

Depth/Elevation of Bottom of Screen: 27.00 feet / 807.30 feet

Depth/Elevation of Bottom of Boring: 27.25 feet / 807.05 feet

Elevation of top of Surface Casing: Not Measured

Type of Flush Mounted Water-tight Cover: Steel

Type of Surface Seal: 2'x2'x6" Concrete Pad

Elevation of top of Riser Pipe: 834.08

Borehole Diameter: 6-inch

Inside Diameter of Borehole Casing: N/A

Type of Backfill: Bentonite / Cement Grout

Type of Riser: Schedule 40 PVC

Riser Inside Diameter: 2 inch

Type of Seal: Bentonite

Type of Sand Pack: #1 Filter Sand

Type of Screen: Schedule 40 PVC

Slot Size x Length: 0.010 inch X 10 feet

Inside Diameter of Screen: 2 inch

Depth of Sediment Sump with Plug: 0.25

Not To Scale

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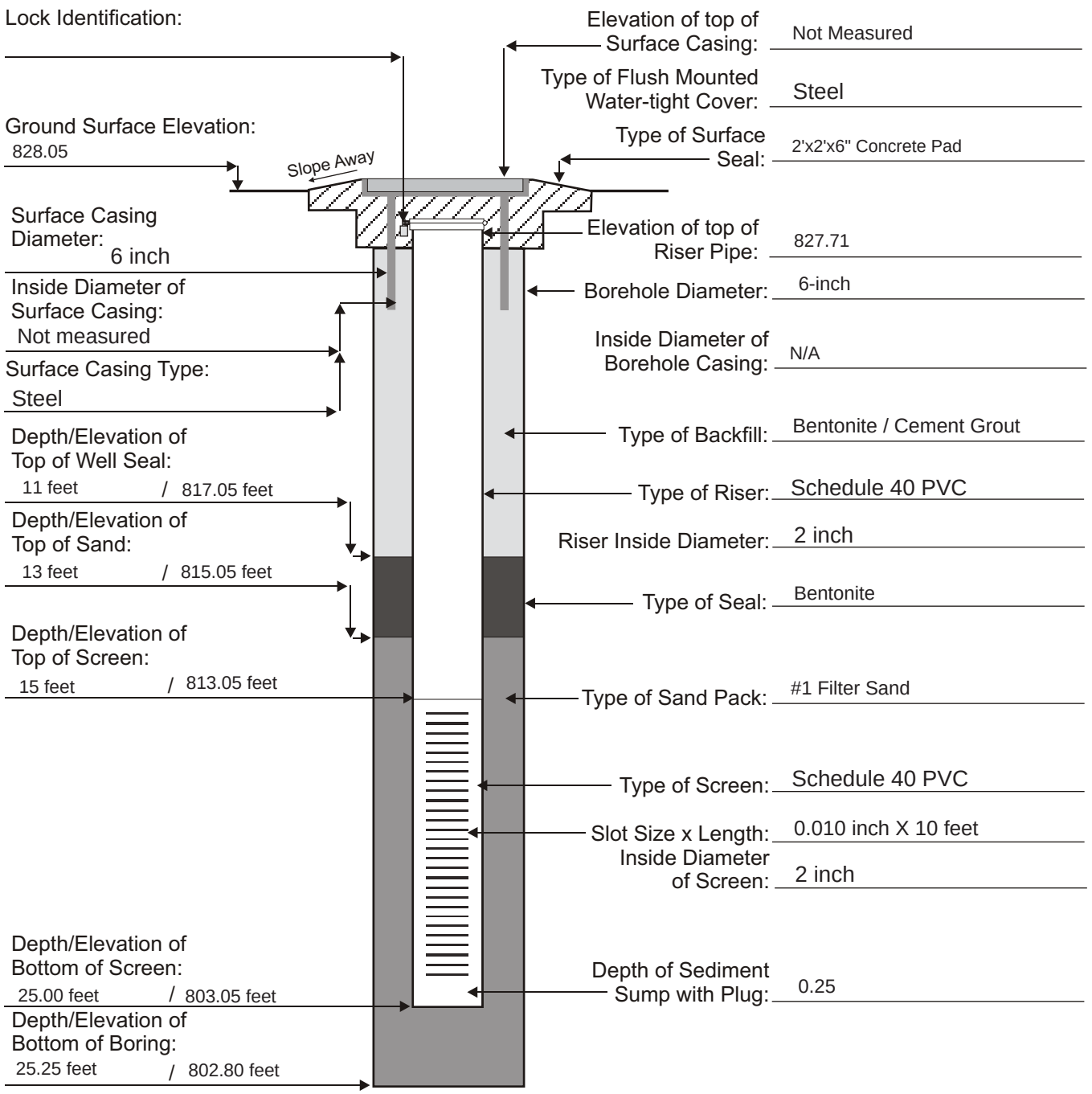
Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-04-22

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-4		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-01-14	Completed: 11-13-14



Not To Scale

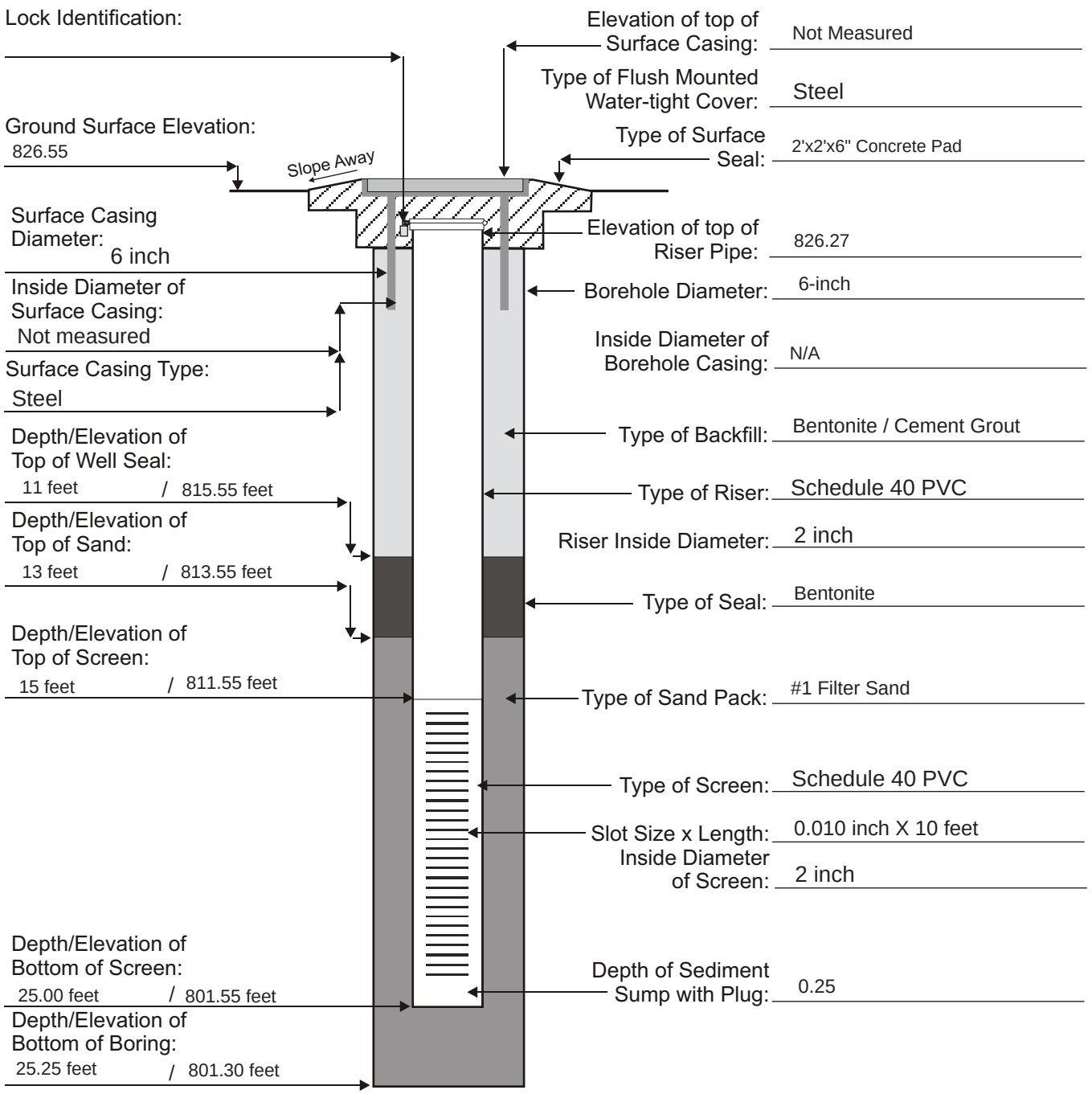
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-04-23

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-4		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-10-14	Completed: 11-13-14



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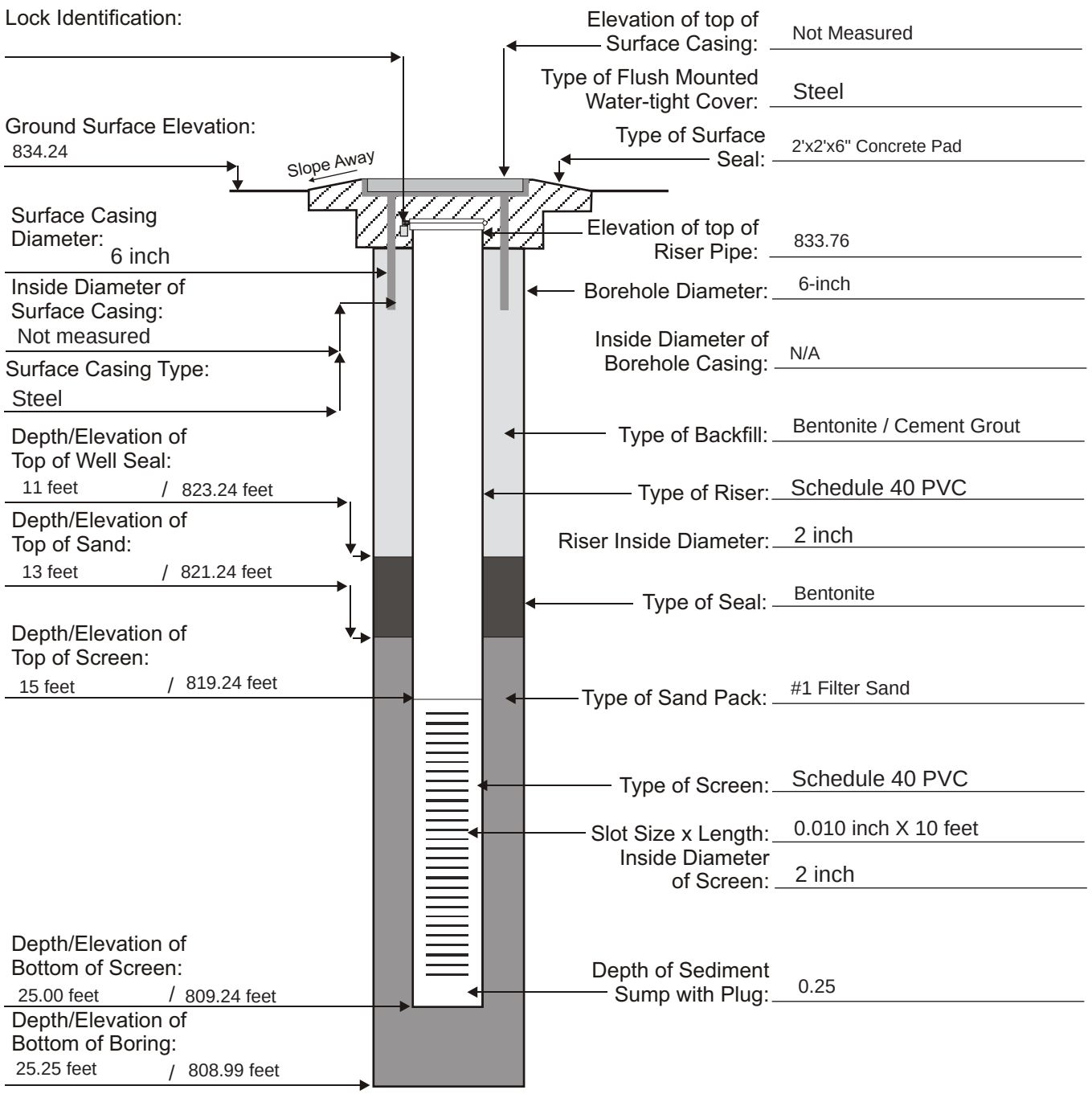
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-02-24

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-4		
Contractor: A.E. DRILLING	Driller: MARCELLO GONZALES	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 11-11-14	Completed: 11-13-14



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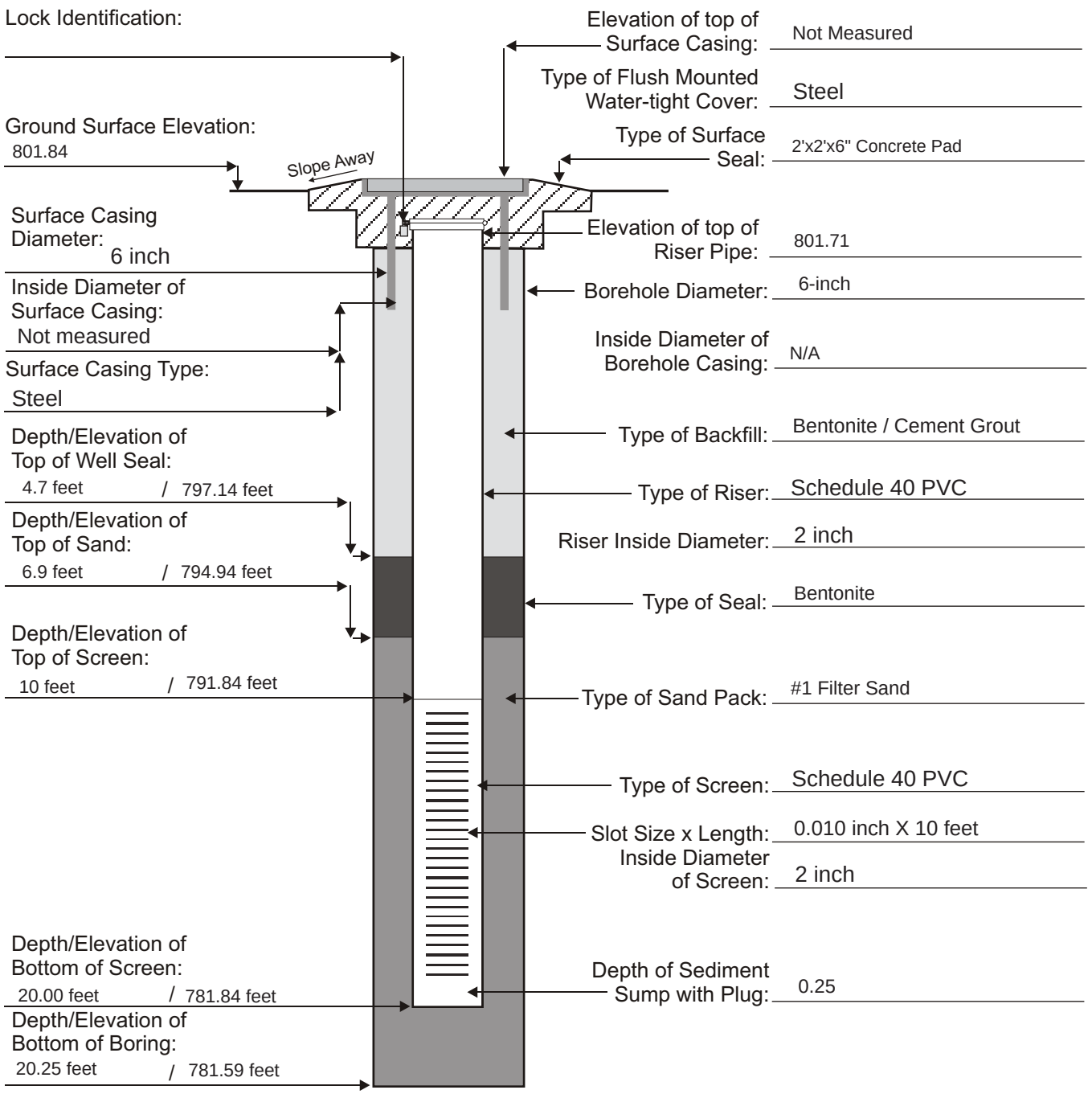
AMEC E&I, INC.

Graphics\Misc.\Forms

Monitoring Well Log (Flush Mount Type)

Well No.: MW-09-25

Project No.: 6251121007.02.01	Project Name: RBTC - FOUNTAIN INN		
	Project Area: AOC-9		
Contractor: A.E. DRILLING	Driller: Tom Coon	Driller Certification No.: 1892	
Logged By: LORI MAULDIN		Method: HOLLOW STEM AUGER	
Checked By: ZACH DOWNES	Date: 3-15-16	Date Started: 7-13-15	Completed: 7-13-15



Not To Scale

AMEC E&I, INC.

Graphics\Misc.\Forms

D H E C
PROMOTE PROTECT PROSPER

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

1. WELL OWNER INFORMATION:
Name: RBTC Fountain Inn (last) (first)
Address: 800 Woodside Ave.
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Greenville
Name: RBTC Fountain Inn
Street Address: 800 Woodside Ave
City: Fountain Inn Zip:
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:
8 1/4" HSA & 6" Air Hammer
MW-08-2D

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: 12/1/2014
82 ft. Date Completed: 12/4/2014

10. CASING: ☑ Threaded ☐ Welded
Diam.: 6" & 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
6 in. to 63 ft. depth
2 in. to 81 ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Sch 40 PVC Diam.: 2"
Slot/Gauge: 0.010" Length: 5'
Set Between: 76 ft. and 81 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 74 ft. to 81 ft.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 74 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: Tommy Burnette **CERT. NO.:** 387
Address: (Print) Level: (A) B C D (circle one)
AE Drilling Services, LLC
2 United Way Greenville, SC 29607
Telephone No.: (864)288-1980 Fax No.:

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: _____ Date: 1/12/2014
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

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

1. WELL OWNER INFORMATION:
Name: RBTC Fountain Inn (last) (first)
Address: 800 Woodside Ave.
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Greenville
Name: RBTC Fountain Inn
Street Address: 800 Woodside Ave
City: Fountain Inn Zip:
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:
8 1/4" HSA & 6" Air Hammer
MW-09-18D

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) 88 ft. Date Started: 12/1/2014 Date Completed: 12/4/2014

10. CASING: ☑ Threaded ☐ Welded
Diam.: 6" & 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
6 in. to 68 ft. depth
2 in. to 88 ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Sch 40 PVC Diam.: 2"
Slot/Gauge: 0.010" Length: 10'
Set Between: 78 ft. and 88 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 75 ft. to 88 ft.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 75 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: Tommy Burnette **CERT. NO.:** 387
Address: (Print) Level: (A) B C D (circle one)
AE Drilling Services, LLC
2 United Way Greenville, SC 29607
Telephone No.: (864)288-1986 Fax No.:

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: _____ Date: 1/12/2014
Well Driller

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

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: RBTC Fountain Inn (last) (first)
Address: 800 Woodside Ave.
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Greenville
Name: RBTC Fountain Inn
Street Address: 800 Woodside Ave
City: Fountain Inn Zip:
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:
8 1/4" HSA & 6" Air Hammer
MW-09-19D

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) 83 ft. Date Started: 12/1/2014 Date Completed: 12/4/2014

10. CASING: ☑ Threaded ☐ Welded
Diam.: 6" & 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
6 in. to 71 ft. depth
2 in. to 81 ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Sch 40 PVC Diam.: 2"
Slot/Gauge: 0.010" Length: 5'
Set Between: 76 ft. and 81 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 74 ft. to 81 ft.
Effective size #2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 74 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: Tommy Burnette **CERT. NO.:** 387
Address: (Print) Level: (A) B C D (circle one)
AE Drilling Services, LLC
2 United Way Greenville, SC 29607
Telephone No.: (864)288-1986 Fax No.:

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: _____ Date: 1/12/2014
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

8

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: ~~SC PLASTICS~~ RBTC (last) (first)
Address: 800 WOODSIDE AVE
City: FOUNTAIN INN State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: GREENVILLE
Name: ~~SC PLASTICS~~ RBTC
Street Address:
City: FOUNTAIN INN Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-3

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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: 11-10-14
20 ft. Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2
Slot/Gauge: 0.010 Length: 10
Set Between: 20 ft. and 10 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 20 ft. to 8 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way, Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales III Date: 11-17-14
Well Driller

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 303 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

DHEC
PROMOTE PROTECT PROSPER

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

1. WELL OWNER INFORMATION:
Name: ~~JC PLASTICS~~ (last) RBTC (first)
Address: 801 Woodside Ave
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: ~~JC PLASTICS~~ RBTC
Street Address: 801 Woodside Ave
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-4

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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) 20 ft. Date Started: 11-10-14 Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 20 ft. and 10 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 #20 ft. to 8 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way, Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales III (Well Driller) Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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: RBTC (last) (first)
Address: 800 woodside Ave
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: RBTC
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-5

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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) 20 ft. Date Started: 11-10-14 Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2
Slot/Gauge: 0.010 Length: 10
Set Between: 20 ft. and 10 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 20 ft. to 8 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales III Well Driller Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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: RBTC (last) (first)
Address: 800 woodside AVE
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: RBTC
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-2

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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: 11-10-14
20 ft. Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2
Slot/Gauge: 0.010 Length: 10
Set Between: 20 ft. and 10 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 20 ft. to 8 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales Date: 11-17-14
Well Driller

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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: RBTC (last) (first)
Address: ~~1000~~ 800 Woodside Ave.
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: RBTC
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-9

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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: 11-10-14
25 ft. Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 25 ft. and 15 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 25 ft. to 13 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 11 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales Date: 11-17-14
Well Driller

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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: RBTC (last) (first)
Address: 800 Woodside
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY:
Name: RBTC Greenville
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-10

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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) 19 ft. Date Started: 11-13-14 Date Completed: 11-14-14

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 19 ft. and 9 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales III (Well Driller) Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

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: RBTC (last) (first)
Address: 800 Woodside Ave
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: RBTC
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-[redacted] 11

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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: 11-10-14
20 ft. Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2
Slot/Gauge: 0.010 Length: 10
Set Between: 20 ft. and 10 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 20 ft. to 8 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A B C D (circle one) ☐ ☐ ☐ ☒
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales Well Driller Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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: RBTC (last) (first)
Address: 800 woodside Ave
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY:
Name: RBTC Greenville
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-13

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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) 20 ft. Date Started: 11-10-14 Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2
Slot/Gauge: 0.010 Length: 10
Set Between: 20 ft. and 10 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 20 ft. to 8 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way, Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales Well Driller Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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: RBTC (last) (first)
Address: 800 Woodside Ave
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: RBTC
Street Address:
City: Fountain Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-14

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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) 20 ft. Date Started: 11-10-14 Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2
Slot/Gauge: 0.010 Length: 10
Set Between: 20 ft. and 10 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 20 ft. to 8 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales Well Driller Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

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: RBTC (last) (first)
Address: 800 woodside Ave
City: FountainInn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY:
Name: RBTC Greenville
Street Address:
City: FountainInn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-15

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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: 11-10-14
20 ft. Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2
Slot/Gauge: 0.010 Length: 10
Set Between: 20 ft. and 10 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 20 ft. to 8 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales Date: 11-17-14
Well Driller

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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: RBTC (first)
Address: 800 woodside Ave (last)
Fountain Inn
City: State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: RBTC
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-17

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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) 20 ft. Date Started: 11-10-14 Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2
Slot/Gauge: 0.010 Length: 10
Set Between: 20 ft. and 10 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 20 ft. to 8 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales Well Driller Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

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

1. WELL OWNER INFORMATION:
Name: RBTC (last) (first)
Address: 800 Woodside Ave.
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY:
Name: RBTC Greenville
Street Address:
City: Fountain Inn. Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-20

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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: 11-11-14
27 ft. Date Completed: 11-17-14

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 27 ft. and 17 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 27 ft. to 15 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 13 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales III Date: 11-17-14
Well Driller

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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: RBTC
Address: 800 woodside Ave (last) (first)
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY:
Name: RBTC Greenville
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-21

4. ABANDONMENT: ☐ Yes ☒ No
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:
4¼ HSA

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: 11-11-14
27 ft. Date Completed: 11-17-14

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 27 ft. and 17 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 27 ft. to 15 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 13 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way, Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales III (Well Driller) Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

3

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: RB TC (last) (first)
Address: 800 woodside Ave
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: RB TC
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: MW-22 **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☒ No
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: 4¼ HSA

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) 25 ft. Date Started: 11-10-14 Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 25 ft. and 15 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 25 ft. to 13 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 11 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way, Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales (Well Driller) Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

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

1. WELL OWNER INFORMATION:
Name: RBTC (last) (first)
Address: 800 woodside Ave Fountain Inn .SC,
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: RBTC
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:
MW-23

4. ABANDONMENT: ☐ Yes ☒ No
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:
4 ¼ HSA

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: 11-10-14
25 ft. Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 25 ft. and 15 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 25 ft. to 13 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 11 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way
Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales (Well Driller) Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

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: RBTC (last) (first)
Address: 800 woodside Ave
City: Fountain Inn State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: RBTC
Street Address:
City: Fountain Inn Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: MW-24 **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☒ No
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: 4¼ HSA

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) 25 ft. Date Started: 11-10-14 Date Completed: 11-13-14

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

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 25 ft. and 15 ft. NOTE: MULTIPLE SCREENS
_____ ft. and _____ ft. 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 25 ft. to 13 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☒ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 11 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: Marcello Gonzales CERT. NO.: 1892
Address: (Print) Two United Way, Greenville, SC 29607
Level: A ☐ B ☐ C ☐ D ☒ (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Marcello Gonzales (Well Driller) Date: 11-17-14

If D Level Driller, provide supervising driller's name:
William Barnes #562-A

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

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: Aromake AFiegbe Robert Bosch Tool Corp (last) (first)
Address: 1800 West Central Rd
City: Mt. Prospect State: IL Zip:
Telephone: Work: (864) 752-0161 Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name: Robert Bosch Tool Corp.
Street Address: 100 northwinds Ave.
City: Fountain Inn, S.C. Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-09-07

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:		

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

7. PERMIT NUMBER: MW-09845

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

9. WELL DEPTH (completed) 25 ft. Date Started: 7-15-15 Date Completed: 7-17-15

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 15 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 0.4 ft.
Weight sch 40 lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 25 ft. and 15 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 25 ft. to 13 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 11 ft. to 0.6 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: Randy Phillips CERT. NO.: 1096
Address: (Print) 2 United Way Greenville, S.C. 29607
Level: A B C D (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: Randy Phillips (Well Driller) Date: 7-19-15

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: Aromake AFiegbe Robert Bosch Tool Corp (last) (first)
Address: 1800 West Central Rd
City: Mt. Prospect State: IL Zip:
Telephone: Work: (864) 752-0161 Home:

2. LOCATION OF WELL: **COUNTY:** Greenville
Name: Robert Bosch Tool Corp.
Street Address: 100 northwinds Ave.
City: Fountain Inn , S.C. Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-09-08D

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:

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

7. PERMIT NUMBER: MW-09845

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

9. WELL DEPTH (completed) Date Started: 7-14-15
92 ft. Date Completed: 7-17-15

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"/6"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
6 in. to 78 ft. depth
2 in. to 82 ft. depth
Height: Above/Below Surface 0.4 ft.
Weight SCH 40 lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5'
Set Between: 87 ft. and 82 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 92 ft. to 82 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 74 ft. to 0.6 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: Randy Phillips **CERT. NO.:** 1096
Address: (Print) 2 United Way Greenville, S.C. 29607
Level: A B C D (circle one)
Telephone No.: 864-288-1986 Fax No.: 864-288-2272

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: _____ (Well Driller) Date: 7-19-15

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

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: Mr. Aromake Afieghe (last) Robert Bosch Tool Corp. (first)
Address: 1800 West Central Rd
City: Mount Prospect State: IL Zip: 600560
Telephone: Work: 864-752-0161 Home:

2. LOCATION OF WELL: COUNTY: Greenville
Name:
Street Address: 100 Northwoods Ave
City: Fountain Inn SC Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** MW-0925

4. ABANDONMENT: ☐ Yes ☒ No
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: Holeplug 6.9 to 4.7

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☒ Other Auger 4 1/4"

7. PERMIT NUMBER: MW-10198

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

9. WELL DEPTH (completed) 19.7 ft. Date Started: 7-13-15 Date Completed: 7-13-15

10. CASING: ☒ Threaded ☐ Welded
Diam.: 2
Type: ☒ PVC ☐ Galvanized ☐ Steel ☐ Other
9.7 in. to 0 ft. depth
_____ in. to _____ ft. depth
Height: Above (Below) Surface 6 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☒ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10'
Set Between: 19.7 ft. and 9.7 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 19.7 ft. to 6.9 ft.
Effective size #1 Uniformity Coefficient _____

16. WELL GROUTED? ☒ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 4.7 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: Tom Cook CERT. NO.: 1961
Address: (Print) 1303 Circle Rd Level: A B C (D) (circle one)
Easley SC 29642
Telephone No.: 864-288-1986 Fax No.:

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: _____ (Well Driller) Date: 7-13-15

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

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

APPENDIX E

MONITORING WELL DEVELOPMENT RECORDS

Well Development Log

Well No.: MW-08-02D

Client Name: RBTC	Project Name: Ft. Inn	Checked By:
Well Installation Date:	Start Date:	Finish Date:
Well Development Date: 12-9-14	Start Time: 1115	Finish Time: 1205
Initial Water Level (ft.): 13.56		
Water Level during **Initial** Pumping/Purging (ft).:		
Water Level at **Termination** of Pumping/Purging (ft).:		
Weather: Clear, cold @ 45° F		

Height of Water Column: 67.64 (ft.) x (0.16 gal./ft. (2 in.) / 0.65 gal/ft. (4 in.) / 1.5 gal/ft. (6 in.) / ____ gal/ft. (____ in.)) = 10.82 Well Volume (gal./ft.)

DTB = 81.2 (bgs)

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
0	1115	21.3	7.04	—	1.0	>999
25	1140	19.6	6.55	0.1712	1.0	>999
30	1145	19.4	6.42	0.1611	1.0	711
35	1150	19.1	6.37	0.1573	1.0	465
40	1155	19.1	6.35	0.1572	1.0	242
45	1200	19.0	6.34	0.1572	1.0	84.9
50	1205	19.0	6.33	0.1572	1.0	23.3

Notes: Wytna Stuck on high

Well Developers Signature: Lw Mauk

Well Development Log

Well No.: MW-08-03

Client Name:	Project Name:	Checked By:
Well Installation Date:	Start Date: 11/20/2014	Finish Date:
Well Development Date:	Start Time: 1035	Finish Time:

Initial Water Level (ft.): 13.87

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 5.56 (ft.) x
- X 0.16 gal./ft. (2 in.)
- 0.65 gal/ft. (4 in.)
- 1.5 gal/ft. (6 in.)
- gal/ft. (in.) = 0.89 Well Volume (gal./ft.)

TD = 19.43 ×5 = 4.45

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
Initial	1040	12.4°C	5.21	0.0320	0.66 gal/min	+1000
3.3	1045	13.0°C	5.22	0.0326	0.66 gal/min	10.2
6.6	1050	13.5°C	5.21	0.0331		6.61
9.9	1055	13.9°C	5.21	0.0334		9.08
13.2	1100	14.3°C	5.21	0.0341		27.2
16.5	1105	14.7°C	5.21	0.0343		4.69
19.8	1110	14.9°C	5.20	0.0345		1.72
23.1	1115	15.2°C	5.19	0.0348		1.61

Surged

Notes:

Well Developers Signature: _____

Well Development Log

Well No.: MW-08-04

Client Name:	Project Name: RBTC Frontier Inn	Checked By:
Well Installation Date:	Start Date:	Finish Date:
Well Development Date:	Start Time: 1300	Finish Time:

Initial Water Level (ft.): 8.74

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: ____(ft.) x
- X 0.16 gal./ft. (2 in.)
- ____ 0.65 gal/ft. (4 in.)
- ____ 1.5 gal/ft. (6 in.)
- ____ gal/ft. (____ in.) = 1.728 Well Volume (gal./ft.)

TD= 19.54

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
Initial	1310	14.5°C	5.35	0.0421	1.65 gal/min	+1000
3.3	1315	14.7°C	5.36	0.0428	1.65 gal/min	+1000
4.95	1320	14.8°C	5.34	0.0429	0.33	18.28
6.6	1325	15.0°C	5.34	0.0430	0.33	3.17
8.25	1330	15.0°C	5.33	0.0429	0.33	17.6
9.9	1335	15.0°C	5.32	0.0429	0.33 gal/min	7.51
11.55	1340	15.0°C	5.32	0.0427	0.33 gal/min	5.86
13.2	1345	15.0°C	5.32	0.0427	0.33 gal/min	0.82
14.85	1355	15.0°C	5.31	0.0427	0.33 gal/min	0.58
16.5	1400	15.0°C	5.31	0.0427	0.33 gal/min	0.47

Notes:
- Water level dropped to ~ 16.0' within first few minutes of purging.

Well Developers Signature: [signature]

Well Development Log

Well No.: MW-08-05

Client Name:	Project Name:	Checked By:
Well Installation Date:	Start Date: 11/20/2014	Finish Date:
Well Development Date:	Start Time: 0925	Finish Time:

Initial Water Level (ft.): 10.51

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 8.69 (ft.) x ___ 0.16 gal./ft. (2 in.) ___ 0.65 gal/ft. (4 in.) ___ 1.5 gal/ft. (6 in.) ___ gal/ft. (___ in.) = 1.39 Well Volume (gal./ft.)

TD = 19.20

x5 = 6.95 gallons

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
		4.5				
Initial	0930	~~13.2~~ °C	5.07	0.0258	0.33 gal	+1000
1.65	0935	4.6°C	5.29	0.0249	0.33 gal	24.5
3.30	0940	4.1°C	5.22	0.0240	0.33 gal	7.49
4.95	0945	4.6°C	5.13	0.0243		5.85
6.60	0950	5.6°C	5.15	0.0255		17.40 — Bursed
8.25	0955	5.8°C	5.16	0.0254		8.38
9.90	1000	6.5°C	5.22	0.0268		12.00
11.55	1005	7.2°C	5.25	0.0269		6.47
13.20	1010	7.9°C	5.26	0.0277		8.44
14.85	1015	8.4°C	5.27	0.0279		6.02
16.50	1020	9.7°C	5.26	0.0295		10.20
18.15	1025	10.2°C	5.26	0.0297		9.24

Notes:

Well Developers Signature:

Well Development Log

Well No.: MW-09-06

Client Name:	Project Name:	Checked By:
Well Installation Date:	Start Date: 11/20/2014	Finish Date:
Well Development Date:	Start Time: 1140	Finish Time:

Initial Water Level (ft.): 14.47

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 4.91 (ft.) x

X 0.16 gal./ft. (2 in.)
____ 0.65 gal/ft. (4 in.)
____ 1.5 gal/ft. (6 in.)
____ gal/ft. (____ in.) = 0.785 Well Volume (gal./ft.)

TD = 19.38

x5 = 3.93 gallons

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):	
Initial	1145				0.85 gal/min	+1000	
4	1150	19.2°C	4.98	0.0491	0.85 gal/min	13.7	
8	1155	19.2°C	4.97	0.0484	0.85 gal/min	+1000	Surged
12	1200	19.2°C	4.95	0.0485	0.85 gal/min	1.99	
16	1205	19.3°C	4.94	0.0483		2.10	
20	1210	19.3°C	4.93	0.0480		2.58	
24	1215	19.3°C	4.92	0.0482		3.39	

Notes:

Well Developers Signature:

Well Development Log

Well No.: MW-09-07

Client Name:	Project Name:	Checked By:
Well Installation Date: 7-16-15	Start Date: 7-17-15	Finish Date:
Well Development Date: 7-17-15	Start Time: 845	Finish Time:

Initial Water Level (ft.): 18.30 bgs

Water Level during **Initial** Pumping/Purging (ft).: 18.31 bgs

Water Level at **Termination** of Pumping/Purging (ft).: 18.31 bgs

Weather: Clear, warm

TD 24.67 Before bgs
TD 24.77 After bgs

Height of Water Column: 6.37 (ft.) x
_____ 0.16 gal./ft. (2 in.)
_____ 0.65 gal/ft. (4 in.)
_____ 1.5 gal/ft. (6 in.)
_____ gal/ft. (_____ in.) = 1.01 Well Volume (gal./ft.)

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Reddy ~~Approximate Pumping Rate~~ (gal/min.):	Turbidity (NTU's):	DO
0	845	-	-	-	-	>999	-
10	855	21.54	4.87	0.074	273.4	40.4	4.64
15	900	20.64	4.74	0.064	291.2	120	4.21
25	910	21.29	4.71	0.064	304.7	23.6	3.90
30	915	21.29	4.72	0.063	321.4	11.8	3.60
40	925	21.29	4.71	0.062	321.4	8.26	3.60
45	930	21.13	4.68	0.062	324.4	3.31	4.33
						2.95	

Notes:

Pumping 1 gal/minute

930 Sampled

Well Developers Signature: Lori Mauk

Well Development Log

Well No.: MW 09-09D

Client Name: RBTC	Project Name: Ft. Inn	Checked By:
Well Installation Date: 7-15-15	Start Date:	Finish Date:
Well Development Date: 7-17-15	Start Time: 1020	Finish Time:

Initial Water Level (ft.): 18.55 (bgs)

Water Level during **Initial** Pumping/Purging (ft).: 18.55 (bgs)

Water Level at **Termination** of Pumping/Purging (ft).: 27.54 (bgs)

Weather: Clear, Warm

TD = 91.95 before (bgs)
TD = 92.70 After (bgs)

Height of Water Column: 73.4 (ft.) x
_____ 0.16 gal./ft. (2 in.)
_____ 0.65 gal/ft. (4 in.)
_____ 1.5 gal/ft. (6 in.)
_____ gal/ft. (_____ in.) = 11.74 Well Volume (gal./ft.)

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	ORP Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):	DO
0	1020	25.73	6.79	0.210	111.0	>999	3.41
15	1035	25.64	6.33	0.151	115.6	473	1.74
25	1045	25.18	6.32	0.145	121.5	55.4	2.30
40	1100	25.17	6.27	0.142	138.4	24.3	2.33
50	1110	25.14	6.25	0.140	142.5	15.0	2.34
60	1120	25.12	6.24	0.140	142.4	9.2	

Notes:

Sampled at 1120

Well Developers Signature: Lon Mauk

Well Development Log

Well No.: MW-09-09

2.5 9 6.0

Client Name:	Project Name:	Checked By:
Well Installation Date:	Start Date: 11-19-14	Finish Date:
Well Development Date:	Start Time:	Finish Time:

Initial Water Level (ft.): 19.35

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: _____(ft.) x _____0.16 gal./ft. (2 in.) _____0.65 gal/ft. (4 in.) _____1.5 gal/ft. (6 in.) _____gal/ft. (_____in.) = _____Well Volume (gal./ft.)

DTB 23.5

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
6	915	2.0°C	6.10	0.0350	1.25	1000
5	930	2.4	5.77	0.0355	1.25	1000
11.25 ~~12.75~~	935	2.4	5.74	0.0354	1.25	65.1
17.5	940	3.1	5.71	0.0353	1.25	48.3
23.75	945	3.5	5.69	0.0355	1.25	20.4
30	950	4.0	5.66	0.0358	1.25	22.7
36.25	955	4.4	5.64	0.0359	1.25	19.0
42.50	1000	4.6	5.63	0.0361	1.25	2.53

Notes:

Well Developers Signature: _____

Well Development Log

Well No.: MW-10

Client Name:	Project Name: RBTC Fountain Inn	Checked By:
Well Installation Date:	Start Date: 11/21/2014	Finish Date: 11/21/2014
Well Development Date: 11/21/2014	Start Time: 1000	Finish Time:

Initial Water Level (ft.): 8.19

Water Level during **Initial** Pumping/Purging (ft).: 8.19

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 9.74 (ft.) x
- X 0.16 gal./ft. (2 in.)
- 0.65 gal/ft. (4 in.)
- 1.5 gal/ft. (6 in.)
- gal/ft. (in.) = 1.56 Well Volume (gal./ft.)

TD = 17.93 AS = 7.8 gallons

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):	
Initial	1005	19.5°C	5.36	0.0273	0.4 Sc/min	+1000	
2	1010	19.6°C	5.36	0.0271	0.4 Sc/min	987	
4	1015	19.7°C	5.40	0.0268	0.4 Sc/min	120	
6	1020	19.8°C	5.40	0.0268	0.4 Sc/min	+1000	+ Surged
8	1025	19.8°C	5.42	0.0266	0.4 Sc/min	627	
10	1030	19.9°C	5.41	0.0265	0.4 Sc/min	88.0	
12	1035	20.0°C	5.43	0.0263	0.4 Sc/min	3.38	
14	1040	20.1°C	5.44	0.0265	0.4 Sc/min	1.23	
16	1045	20.1°C	5.45	0.0263	0.4 Sc/min	0.75	
18	1050	20.2°C	5.49	0.0261	0.4 Sc/min	238	+ Surged
20	1055	20.3°C	5.48	0.0261	0.4 Sc/min	34.2	
22	1100	20.3°C	5.48	0.0261	0.4 Sc/min	10.7	
24	1105	20.4°C	5.49	0.0260	0.4 Sc/min	6.28	

Notes:

Well Developers Signature:

Well Development Log

Well No.: MW-11

Client Name:	Project Name: RBTC Fourteen Inn	Checked By:
Well Installation Date:	Start Date: 11/21/2014	Finish Date:
Well Development Date: 11/21/2014	Start Time: 0905	Finish Time:

Initial Water Level (ft.): 11.26

Water Level during **Initial** Pumping/Purging (ft).: ~~6.8~~ 11.26

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 6.84 (ft.) x
- * 0.16 gal./ft. (2 in.)
- _____ 0.65 gal/ft. (4 in.)
- _____ 1.5 gal/ft. (6 in.)
- _____ gal/ft. (_____ in.) = 1.09 Well Volume (gal./ft.)

TD = 18.10

×5 = 5.45 gallons

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):	
Initial	0910	11.0°C	5.45	0.0363	0.8 gal/min	+1000	
4	0915	12.6°C	5.38	0.0344	0.8 gal/min	3.76	
8	0920	13.8°C	5.40	0.0331	0.8 gal/min	2.25	
12	0925	11.3°C	5.42	0.0326	0.8 gal/min	1.51	
16	0930	12.2°C	5.42	0.0330	0.8 gal/min	8.11	+ sursed
20	0935	18.5°C	5.52	0.0291	0.8 gal/min	2.03	
24	0940	18.7°C	5.52	0.0291	0.8 gal/min	3.64	
28	0945	19.0°C	5.51	0.0291	0.8 gal/min	2.50	
32	0950	19.2°C	5.50	0.0289	0.8 gal/min	8.82	+ sursed

Notes:

Well Developers Signature: [signature]

Well Development Log

Well No.: MW-09-12

Client Name: RBTC	Project Name: Ft. INN	Checked By: LL
Well Installation Date:	Start Date: ~~12-9-14~~	Finish Date:
Well Development Date: 12-9-14	Start Time: 1315	Finish Time: 1405
Initial Water Level (ft.): 10.57		
Water Level during **Initial** Pumping/Purging (ft).:		
Water Level at **Termination** of Pumping/Purging (ft).:		
Weather: Clear, cold @ 43°F		

Height of Water Column: 63.68 (ft.) x
_____ 0.16 gal./ft. (2 in.)
_____ 0.65 gal/ft. (4 in.)
_____ 1.5 gal/ft. (6 in.)
_____ gal/ft. (_____ in.) = 10.19 Well Volume (gal./ft.)

DTB - 74.25

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
10	1325	17.3	6.95	0.1410	1.0	810
15	1330	17.5	6.71	0.1108	1.0	477
20	1335	17.6	6.41	0.0017	1.0	263
25	1340	17.7	6.43	0.0016	1.0	206
35	1350	17.6	6.40	0.0018	1.0	136
40	1355	17.6	6.40	0.0018	1.0	65.7
45	1400	17.6	6.40	0.0018	1.0	27.2
50	1405	17.6	6.40	0.0018	1.0	8.41

Notes:

Wyterra pump - Stuck on high speed

Well Developers Signature: Lw Mauk

Well Development Log

Well No.: MW-13

Client Name:	Project Name:	Checked By:
Well Installation Date:	Start Date:	Finish Date:
Well Development Date:	Start Time:	Finish Time:

Initial Water Level (ft.): 11.84

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather: Clear, Windy 53°F

Height of Water Column: 7.67 (ft.) x
- X 0.16 gal./ft. (2 in.)
- 0.65 gal/ft. (4 in.)
- 1.5 gal/ft. (6 in.)
- gal/ft. (in.) = 1.23 Well Volume (gal./ft.)

TD = 19.51

x 5 = 6.15

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):	
Initial	1545	19.5°C	5.21	0.0472	1.6 gal/min	+1000	
8	1550	19.4°C	5.17	0.0465	1.6 gal/min	49.3	Sursed
16	1555	19.2°C	5.15	0.0460	1.6 gal/min	105	
24	1600	19.2°C	5.15	0.0459	1.6 gal/min	136	Sursed
32	1605	19.1°C	5.11	0.0453	1.6 gal/min	1.87	
40	1610	19.1°C	5.10	0.0452	1.6 gal/min	1.53	

Notes:

Well Developers Signature:

Well Development Log

Well No.: MW-14

Client Name:	Project Name: RBTC Fountain In	Checked By:
Well Installation Date:	Start Date:	Finish Date:
Well Development Date:	Start Time:	Finish Time:

Initial Water Level (ft.): ~~16.07~~ 9.86

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 8.33 (ft.) x
- x 0.16 gal./ft. (2 in.)
- 0.65 gal/ft. (4 in.)
- 1.5 gal/ft. (6 in.)
- gal/ft. (in.) = 1.33 Well Volume (gal./ft.)

TD = 18.19

x 5 = 6.65 gallons

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
Initial	1445	19.0°C	5.25	0.0468	0.53 gal/min	+1000
2.65	1456	19.1°C	5.24	0.0478	0.53 gal/min	34.9
5.30	1455	19.1°C	5.25	0.0476	0.53 gal/min	19.8
7.95	1500	19.2°C	5.25	0.0476	0.53 gal/min	10.5
10.60	1505	19.3°C	5.25	0.0480	0.53 gal/min	5.81
13.25	1510	19.4°C	5.26	0.0480	0.53 gal/min	6.35
15.90	1515	19.5°C	5.26	0.0482	0.53 gal/min	3.96
18.55	1520	19.6°C	5.25	0.0483	0.53 gal/min	2.86
21.20	1525	19.9°C	5.28	0.0486	0.53 gal/min	2.32
23.85	1530	20.1°C	5.28	0.0489	0.53 gal/min	2.84

Notes:

Well Developers Signature:

Well Development Log

Well No.: MW-09-15

Client Name:	Project Name:	Checked By:
Well Installation Date:	Start Date:	Finish Date:
Well Development Date:	Start Time:	Finish Time:

Initial Water Level (ft.): 11.53

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 7.04 (ft.) x
- X 0.16 gal./ft. (2 in.)
- 0.65 gal/ft. (4 in.)
- 1.5 gal/ft. (6 in.)
- gal/ft. (in.) = 1.13 Well Volume (gal./ft.)

TD=18.57

X5 = 5.65 gallons

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
Initial	1240	19.3°C	5.03	0.0479	1.65	+1000
8	1245	19.4°C	5.04	0.0478	1.65	+1000
16	1250	19.4°C	5.06	0.0476		56.2
24	1255	19.4°C	5.06	0.0472		10.3
32	1300	19.4°C	5.13	0.0471		8.47
40	1305	19.4°C	5.17	0.0467		7.28
48	1310	19.4°C	5.17	0.04		6.46

Notes:

Well Developers Signature:

Well Development Log

Well No.: MW-09-16D

Client Name: RBTC	Project Name: Ft. Inn	Checked By:
Well Installation Date:	Start Date:	Finish Date:
Well Development Date: 12-9-14	Start Time: 1445	Finish Time: 1530
Initial Water Level (ft.): 11.54		
Water Level during **Initial** Pumping/Purging (ft).:		
Water Level at **Termination** of Pumping/Purging (ft).:		
Weather: Clear, cold, 45° F		

Height of Water Column: ✓ 0.16 gal./ft. (2 in.)
55.86 (ft.) x _____ 0.65 gal/ft. (4 in.)
_____ 1.5 gal/ft. (6 in.)
67.4 = DTB _____ gal/ft. (_____ in.) = 8.94 Well Volume (gal./ft.)

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
~~55~~ 20	1500	17.6	9.70	0.0027	~~10~~ 2.0	681
~~60~~ 30	1510	17.3	8.66	0.0030	~~20~~ 1.0	361
35	1515	17.3	8.39	0.0030	1.0	220
45	1520	17.3	8.30	0.0030	1.5	209
55	1530	17.3	8.30	0.0029	1.0	204

Notes:

Wyterra pump - stuck on high speed

Well Developers Signature: Lee Marler

Well Development Log

Well No.: MW-09-17

Client Name:	Project Name: RBTC Fountain Inn	Checked By:
Well Installation Date:	Start Date:	Finish Date:
Well Development Date:	Start Time:	Finish Time:

Initial Water Level (ft.): 16.07

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 3.16 (ft.) x
- ___ 0.16 gal./ft. (2 in.)
- ___ 0.65 gal/ft. (4 in.)
- ___ 1.5 gal/ft. (6 in.)
- ___ gal/ft. (___ in.) = 0.51 Well Volume (gal./ft.)

TD = 19.23

*5 = 2.53 Gallons

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
Initial	1350	19.2°C	5.20	0.0465	0.33 gal/min	+1000
1.65	1355	19.2°C	5.20	0.0467	0.33 gal/min	25.7
3.30	1400	19.0°C	5.20	0.0468	0.33	4.31
4.95	1405	19.0°C	5.20	0.0466	0.33	3.24
6.60	1410	19.0°C	5.20	0.0466	0.33	2.71
8.25	1415	19.0°C	5.20	0.0465	0.33	2.02
9.90	1420	19.0°C	5.22	0.0464	0.33	1.72
11.55	1425	18.9°C	5.22	0.0464	0.33	1.16
13.20	1430	18.9°C	5.22	0.0464	0.33	1.02
14.85	1435	18.9°C	5.21	0.0464	0.38	0.88

Notes:

Well Developers Signature: _____

Well Development Log

Well No.: MW-09-18D

Client Name: RBTC	Project Name: Ft. Irwin		Checked By:
Well Installation Date:		Start Date:	Finish Date:
Well Development Date: 12-9-14		Start Time: 1545	Finish Time:
Initial Water Level (ft.): 18.20 TOC			
Water Level during **Initial** Pumping/Purging (ft).:			
Water Level at **Termination** of Pumping/Purging (ft).:			
Weather: Clear, cold @ 45° F			

Height of Water Column: 69.8 (ft.) x
✓ 0.16 gal.lft. (2 in.)
0.65 gal/ft. (4 in.)
1.5 gal/ft. (6 in.)
gal/ft. (in.) = 11.1 Well Volume (gal./ft.)

DTB = 88.0 TOC

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
10	1555	17.1	8.26	0.0094	1.0	>999
20	1605	17.3	8.24	0.0941	1.0	>999
DRY	1608					
	1700 -	Slow to	recharge -	Considered	developed	

Notes:

Well Developers Signature: Lori Manka

Well Development Log

Well No.: MW-09-19D

Client Name: RBTC	Project Name: Ft. INN	Checked By:
Well Installation Date:	Start Date:	Finish Date:
Well Development Date: 12-9-14	Start Time: 955	Finish Time: 1040
Initial Water Level (ft.): 18.55		
Water Level during **Initial** Pumping/Purging (ft).:		
Water Level at **Termination** of Pumping/Purging (ft).:		
Weather: Clear, Cold 45° F		

Height of Water Column: ✓ 0.16 gal./ft. (2 in.)
6.215 (ft.) x _____ 0.65 gal/ft. (4 in.)
_____ 1.5 gal/ft. (6 in.)
10.13 gal/ft. (____ in.) = 10.13 Well Volume (gal./ft.)

DTB = 80.7

Gallons Purged:	Time:	°C Temperature:	pH:	mS/cm Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
20	1005	18.7	7.56	0.1334		245
30	1015	17.7	6.80	0.1335	2.0	99.5
35	1020	17.6	6.78	0.1337	1.0	46.7
40	1025	17.6	6.76	0.1341	1.0	27.8
45	1030	17.6	6.78	0.1342	1.0	17.4
50	1035	17.6	6.77	0.1342	1.0	6.7
55	1040	17.6	6.77	0.1342	1.0	5.2

Notes:

Wyterra pump - Stuck on high

Well Developers Signature: Lw Marks

15.0

Well Development Log

Well No.: MW-03-20

Client Name:	Project Name:	Checked By:
Well Installation Date:	Start Date: 1410	Finish Date:
Well Development Date:	Start Time:	Finish Time:

Initial Water Level (ft.): 14.36

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 11.5 (ft.) x
- X 0.16 gal./ft. (2 in.)
- 0.65 gal/ft. (4 in.)
- 1.5 gal/ft. (6 in.)
- gal/ft. (in.) = 1.84 Well Volume (gal./ft.)

x5 = 9.23 gallons

TD= 25.86

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
Initial	1415	15.2	5.30	0.0439	0.53 gal/min	1000
2.65	1420	15.3	5.29	0.0439		23.6
5.30	1425	15.4	5.29	0.0437		13.9
7.95	1430	15.4	5.30	0.0436		94.8
10.60	1435	15.4	5.29	0.0437		19.1
13.25	1440	15.5	5.29	0.0437		14.2
15.90	1445	15.5	5.29	0.0437		6.90

surged well

Notes:

Well Developers Signature: ————————————————

_____

Well Development Log

Well No.: mw-03-21

Client Name:	Project Name:	Checked By:
Well Installation Date:	Start Date:	Finish Date:
Well Development Date:	Start Time:	Finish Time:

Initial Water Level (ft.): 14.83

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 12.07 (ft.) x
- X 0.16 gal.lft. (2 in.)
- 0.65 gal/ft. (4 in.)
- 1.5 gal/ft. (6 in.)
- gal/ft. (in.) = 1.93 Well Volume (gal./ft.)

TD = 26.9

x5 = 9.66 gallons

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):	
Initial	1455	15.5	5.26	0.0437		>1000	
~~6.5~~	1500	15.5	5.25	0.0439	1.39 gal/min	>1000	surged well
13	1505	15.6	5.24	0.0440		23.4	
19.5	1510	15.7	5.24	0.0442		5.23	
26	1515	15.9	5.23	0.0443		>1000	surged well
32.5	1520	16.0	5.22	0.0445		>1000	surged well
39	1525	16.1	5.21	0.0445		99.7	
45.5	1530	16.2	5.22	0.0445		20.9	
52	1535	16.2	5.22	0.0444		9.95	

Notes:

Well Developers Signature:

Well Development Log

Well No.: MW-04-22

Client Name:	Project Name: RBTC Fountain Run	Checked By:
Well Installation Date:	Start Date: 11/19/14	Finish Date:
Well Development Date:	Start Time: 1015	Finish Time:

Initial Water Level (ft.): 16.85

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

Height of Water Column: 7.55 (ft.) x
- X 0.16 gal./ft. (2 in.)
- ____ 0.65 gal/ft. (4 in.)
- ____ 1.5 gal/ft. (6 in.)
- ____ gal/ft. (____ in.)

= 11.325 Well Volume (gal./ft.)
x3 = 57 gallons

TD: 24.40

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
Initial	1020	6.9°C	5.50	0.0323	~1.0	+1000
~~5~~ 2.5	1040	7.4°C	5.49	0.0365	~1.0 .5 gal/min	+1000
~~10~~ 5.3	1050	7.9°C	5.44	0.0364	2.0 gal/min	517
~~20~~ 8.0	1055	8.2°C	5.45	0.0363	2.0 gal/min	121
~~25~~ 10.6	1100	8.1°C	5.45	0.0363	2.0 gal/min	225
13.25	1105	9.0°C	5.45	0.0324	.5 gal/min	38.8
15.90	1110	9.9°C	5.39	0.0383	.5 gal/min	117.0
18.55	1115	10.1°C	5.37	0.0382	.5 gal/min	13.1
21.2	1120	10.9°C	5.35	0.0387	.5 gal/min	3.50
23.85	1125	10.9°C	5.34	0.0387	.5 gal/min	3.12
26.50	1130	10.9°C	5.33	0.0388	.5 gal/min	2.89
29.15	1135	11.3°C	5.32	0.0392	.5 gal/min	1.12
31.8	1140	11.7°C	5.31	0.0395	.5 gal/min	1.09
34.45	1145	11.9°C	5.30	0.0396	.5 gal/min	2.57

*Problems with pump. -RAA

Notes:
- Between initial reading & 10 gallon reading problems occured with development pump. Pumping continued correctly at 1050. -RAA

Well Developers Signature: [signature]

Well Development Log

Well No.: MW-04-23

Client Name:	Project Name: RBTC Fountain Inn	Checked By:
Well Installation Date:	Start Date: 11/19/2014	Finish Date:
Well Development Date:	Start Time: 1205	Finish Time:

Initial Water Level (ft.): 15.25

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather: Clear, Sunny

Height of Water Column: ____(ft.) x
- X 0.16 gal./ft. (2 in.)
- ____ 0.65 gal/ft. (4 in.)
- ____ 1.5 gal/ft. (6 in.)
- ____ gal/ft. (____ in.) = 1.475 Well Volume (gal./ft.)

TD: 24.47

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
~4	1210	12.7°C	5.42	0.0411	0.8 gal/min	41000
8	1225	12.9°C	5.41	0.0412	0.8 gal/min	126
12	1230	13.1°C	5.40	0.0416		24.7
16	1235	13.4°C	5.39	0.0418		13.5
20	1240	13.7°C	5.37	0.0420		4.78
24	1245	14.1°C	5.34	0.0425		3.61
28	1250	14.3°C	5.33	0.0428		3.17

Notes:

Well Developers Signature: [signature]

Well Development Log

Well No.: MW-02-24

Client Name:	Project Name:	Checked By:
Well Installation Date:	Start Date: 11/19/2019	Finish Date:
Well Development Date:	Start Time:	Finish Time:

Initial Water Level (ft.): 20.4

Water Level during **Initial** Pumping/Purging (ft).:

Water Level at **Termination** of Pumping/Purging (ft).:

Weather:

3.9 Height of Water Column (ft.) x X 0.16 gal./ft. (2 in.) / 0.65 gal/ft. (4 in.) / 1.5 gal/ft. (6 in.) / ____ gal/ft. (____ in.) = 0.624 Well Volume (gal./ft.)

TD: 24.3

x5 = 3.12 gallons

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	Approximate Pumping Rate (gal/min.):	Turbidity (NTU's):
Initial	1545	18.0°C	5.07	0.0445	0.53 gal/min	+1000
2.64	1550	18.0°C	5.06	0.0442		4.93
5.28	1555	18.0°C	5.06	0.0443		~~1000~~ 30.9 - Surged
7.92	1600	17.9°C	5.06	0.0444		4.14
10.56	1605	17.8°C	5.06	0.0447		25.8 - Surged
13.20	1610	17.8°C	5.06	0.0448		10.6
15.84	1615	17.7°C	5.06	0.0449		11.17
	1620	17.7°C	5.07	0.0450		6.55

Notes:

Well Developers Signature: _____

Well Development Log

Well No.: MW-09-25

Client Name: RBTC	Project Name: Ft. Inn	Checked By:
Well Installation Date: 7-13-15	Start Date:	Finish Date:
Well Development Date: 7-17-15	Start Time: 1140	Finish Time:
Initial Water Level (ft.): 8.90		
Water Level during **Initial** Pumping/Purging (ft).:		
Water Level at **Termination** of Pumping/Purging (ft).:		
Weather: Warm, clear		

TD 18.75

Height of Water Column: _____(ft.) x _____0.16 gal./ft. (2 in.) _____0.65 gal/ft. (4 in.) _____1.5 gal/ft. (6 in.) _____gal/ft. (_____in.) = _____Well Volume (gal./ft.)

Gallons Purged:	Time:	Temperature:	pH:	Conductivity:	ORP Approximate ~~Pumping~~ Rate (~~gal/min~~.):	Turbidity (NTU's):	
5	1145	DRY					
8	1152	22.44	5.73	0.063	-79.7	62.5	2.07
12	1200	23.53	5.54	0.055	-117.1	38.1	1.04
15	1205	23.50	5.44	0.051	-134.7	12.3	0.22
18	1210	23.50	5.48	0.051	-171.8	9.8	0.22
20	1215	23.50	5.48	0.050	-171.8	7.6	

Notes:

Sampled at 1215

Well Developers Signature: Lw Mauk

APPENDIX F

HYDRAULIC GRADIENT CALCULATIONS

APPENDIX F

Summary of Groundwater Gradient Calculations
Former RBTC Fountain Inn Division
Fountain Inn, South Carolina
Amec Foster Wheeler Project 6251121007.03.01

Vertical Hydraulic Gradients			
Wells	Δ head (feet)	Δ screen midpoint (feet)	vertical gradient
MW-08-01/MW-08-02D	0.46	59.25	0.008
MW-09-07/MW-09-8D	-0.02	69.66	-0.0003
MW-09-11/MW-09-12D	-0.16	56.60	-0.003
MW-09-15/MW-09-16D	0.03	54.58	0.001
MW-09-17/MW-09-18D	2.80	69.21	0.040
Average Downward Vertical Gradient			0.022
Average Upward Vertical Gradient			-0.002
Notes:			
Negative head values indicates upward vertical gradient			

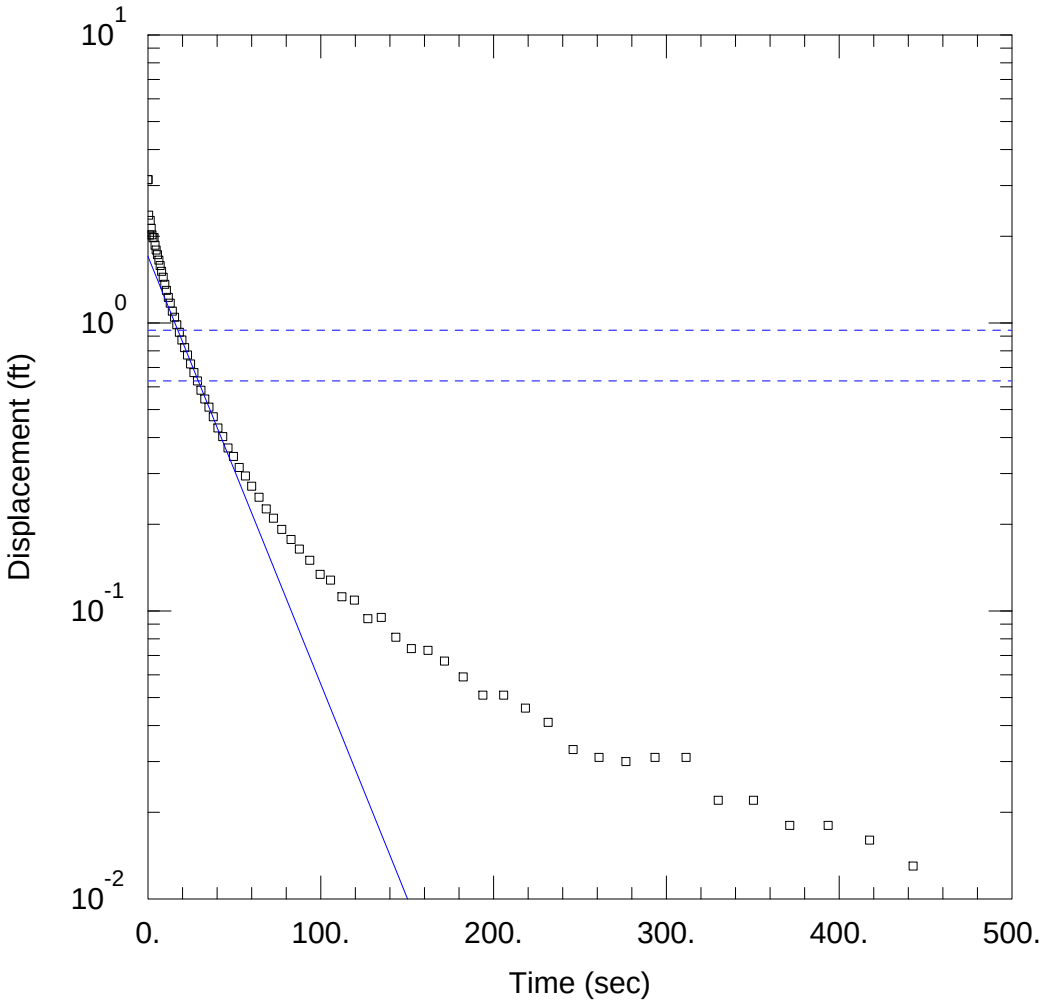
Groundwater Velocity (V)				
where *V (ft/day) = K*i/ne*				
	K = 0.3995	K = 10.91	*V (ft/year)*	
Wells	ne = 0.25	ne = 0.25	Minimum	Maximum
MW-08-01 to MW-09-25	0.04	1.07	14.33	391.45
MW-08-2D to MW-09-8D	0.03	0.85	11.36	310.14
MW-09-8D to MW-09-12D	0.02	0.64	8.57	233.95
MW-09-09 to MW-09-13	0.03	0.95	12.73	347.61
MW-09-11 to MW-09-17	0.05	1.45	19.42	530.21
MW-08-01 to MW-08-06	0.04	1.05	14.04	383.51
MW-09-8D to MW-09-16D	0.03	0.87	11.58	316.37
MW-08-2D to MW-09-18D	0.04	1.16	15.52	423.77

Horizontal Hydraulic Gradients (i)			
Wells	Δ L (feet)	Δ head (feet)	horizontal gradient
MW-08-01 to MW-09-25	1154	28.36	0.025
MW-08-2D to MW-09-8D	510	9.93	0.019
MW-09-8D to MW-09-12D	224	3.29	0.015
MW-09-09 to MW-09-13	373	8.14	0.022
MW-09-11 to MW-09-17	286	9.52	0.033
MW-08-01 to MW-09-06	547	13.17	0.024
MW-09-8D to MW-09-16D	362	7.19	0.020
MW-08-2D to MW-09-18D	966	25.70	0.027
Average Horizontal Gradient			0.023
Average Horizontal Gradient - Overburden Wells			0.026
Average Horizontal Gradient - Bedrock Wells			0.020

Prepared By/Date: LLM 11/06/15
Checked By/Date: PSJ 03/03/16

APPENDIX G

HYDRAULIC CONDUCTIVITY TEST DATA



MW-1 FALLING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-1
Test Date: 2-4-15

AQUIFER DATA

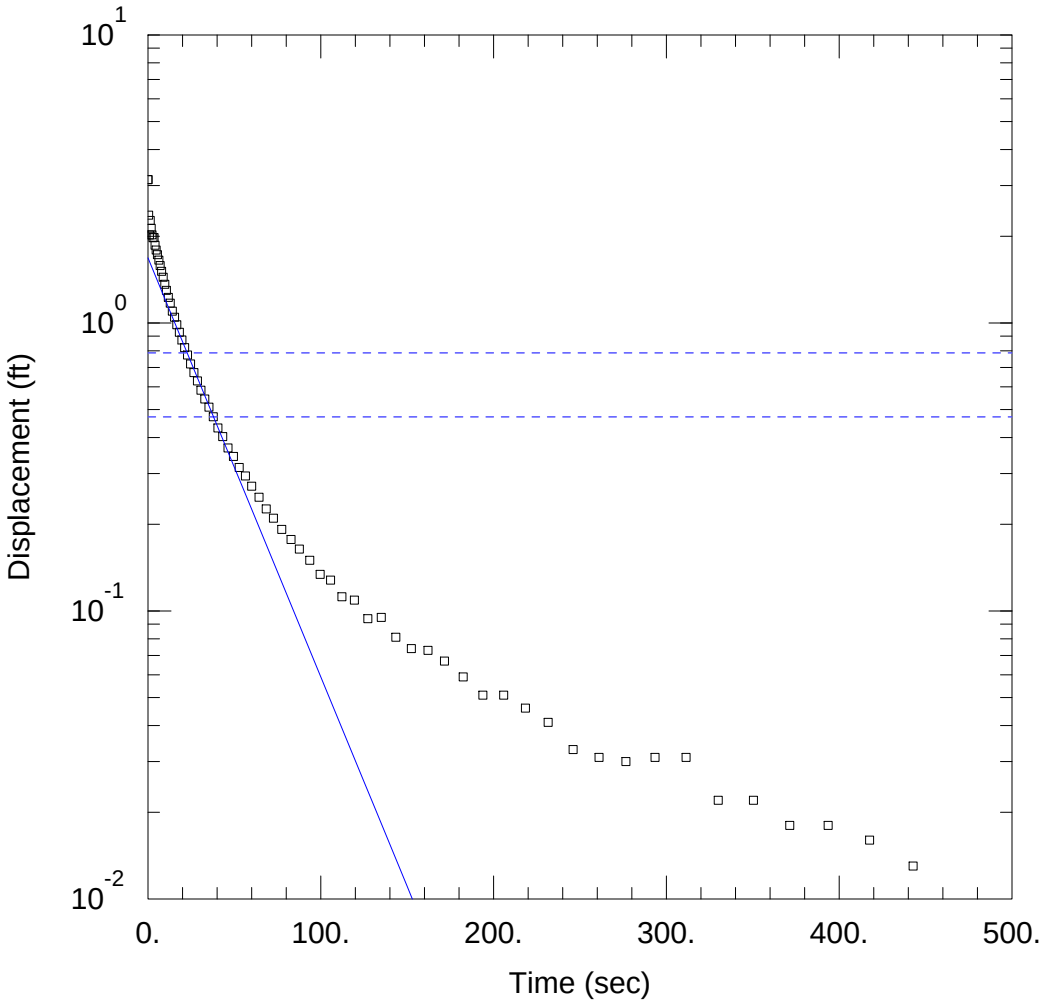
Saturated Thickness: 12.18 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 3.145 ft
Total Well Penetration Depth: 12.18 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12.18 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.000915 cm/sec
y0 = 1.702 ft



MW-1 FALLING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-1
Test Date: 2-4-15

AQUIFER DATA

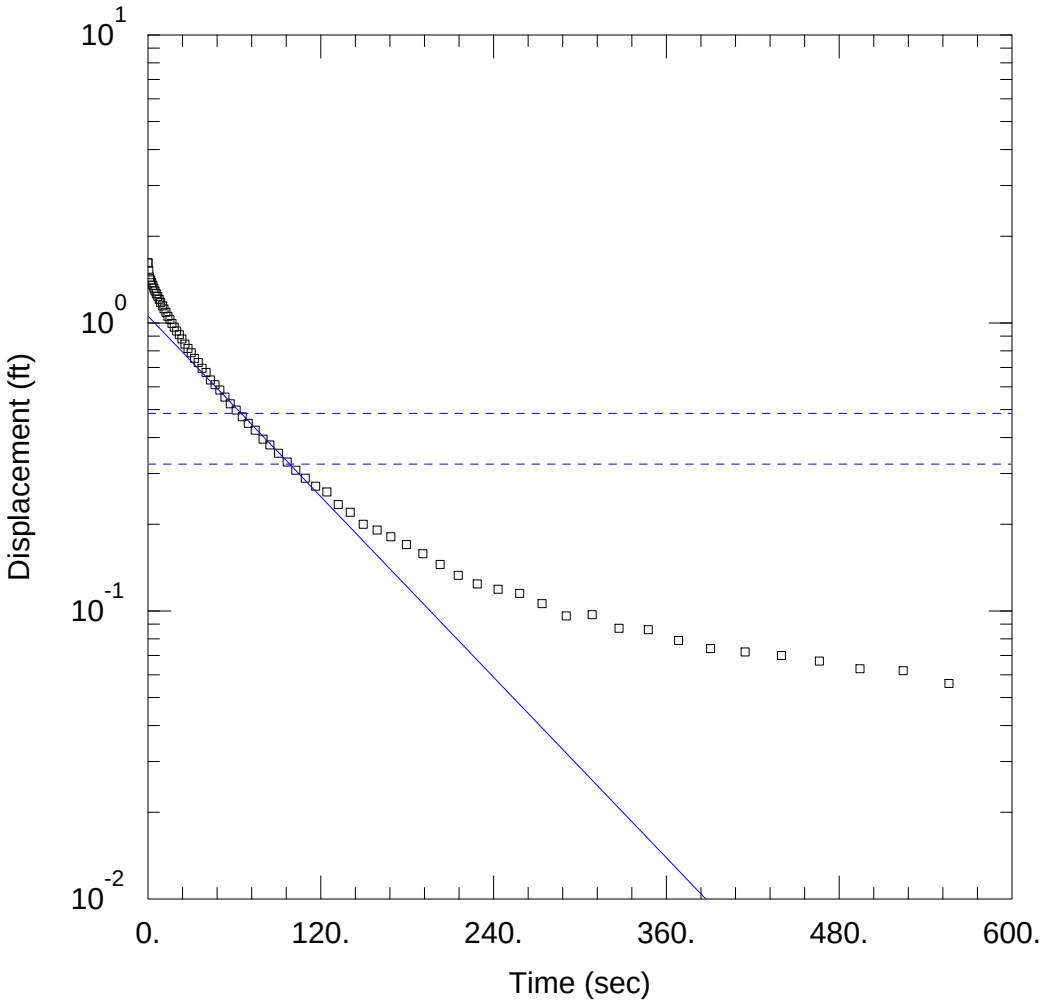
Saturated Thickness: 12.18 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 3.145 ft
Total Well Penetration Depth: 12.18 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12.18 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.001337 cm/sec
y0 = 1.682 ft



MW-1 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-1
Test Date: 2-4-15

AQUIFER DATA

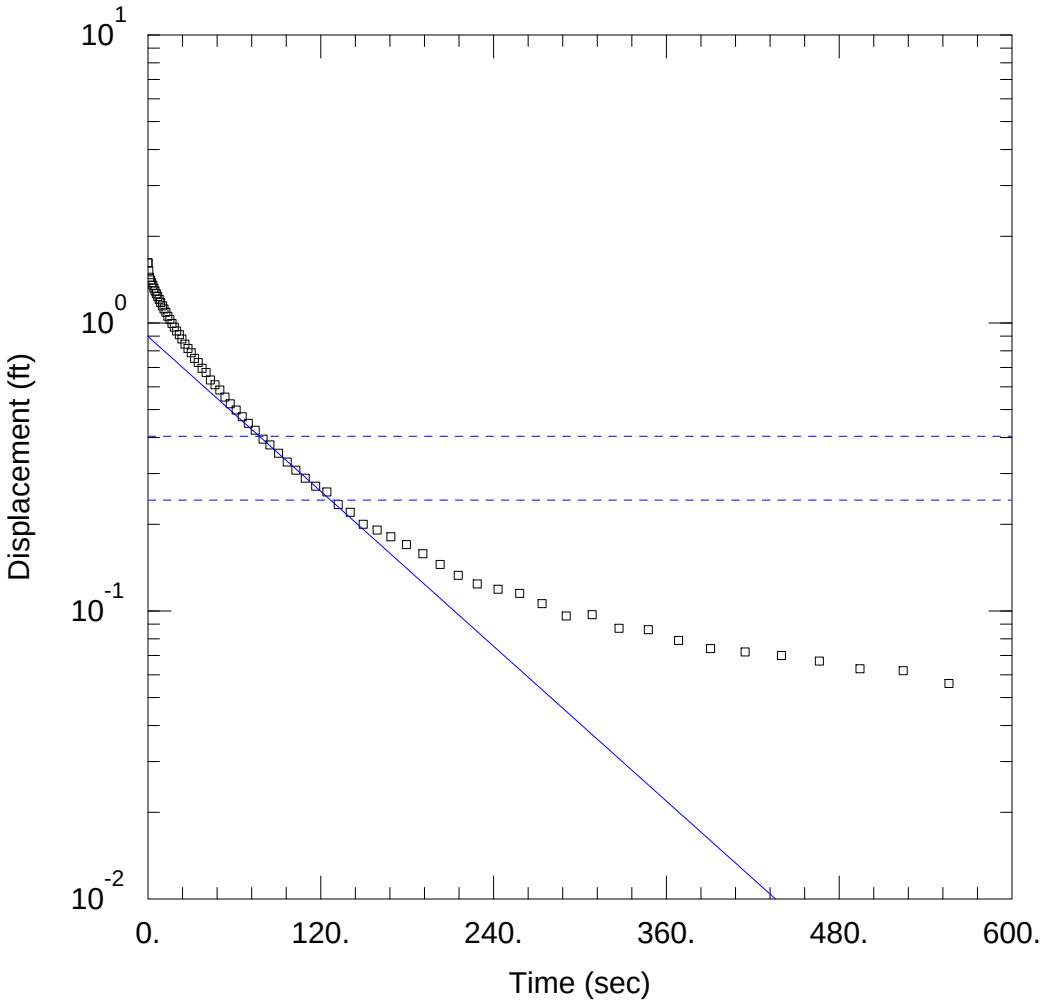
Saturated Thickness: 12.18 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 1.617 ft
Total Well Penetration Depth: 12.18 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12.18 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0003219 cm/sec
y0 = 1.056 ft



MW-1 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-1
Test Date: 2-4-15

AQUIFER DATA

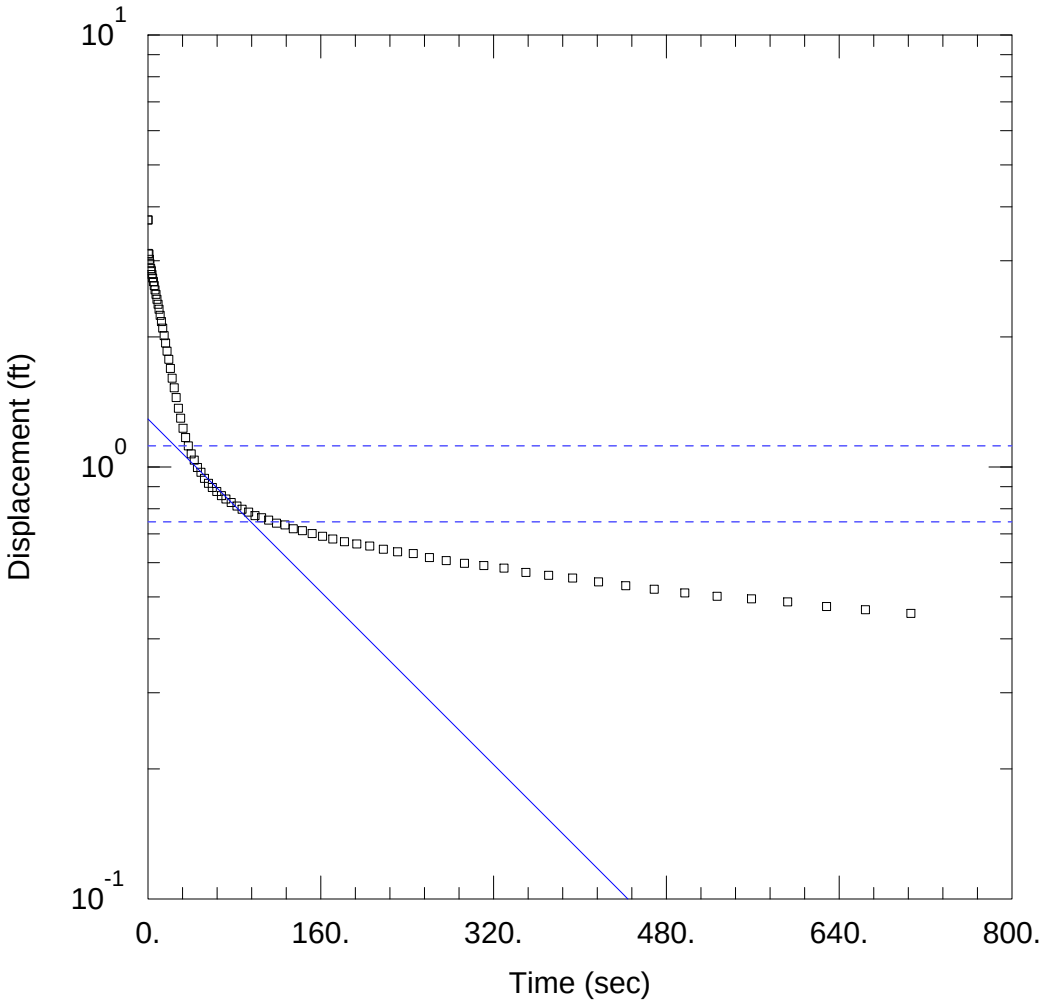
Saturated Thickness: 12.18 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 1.617 ft
Total Well Penetration Depth: 12.18 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12.18 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.000412 cm/sec
y0 = 0.8973 ft



MW-3 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-3
Test Date: 2-4-15

AQUIFER DATA

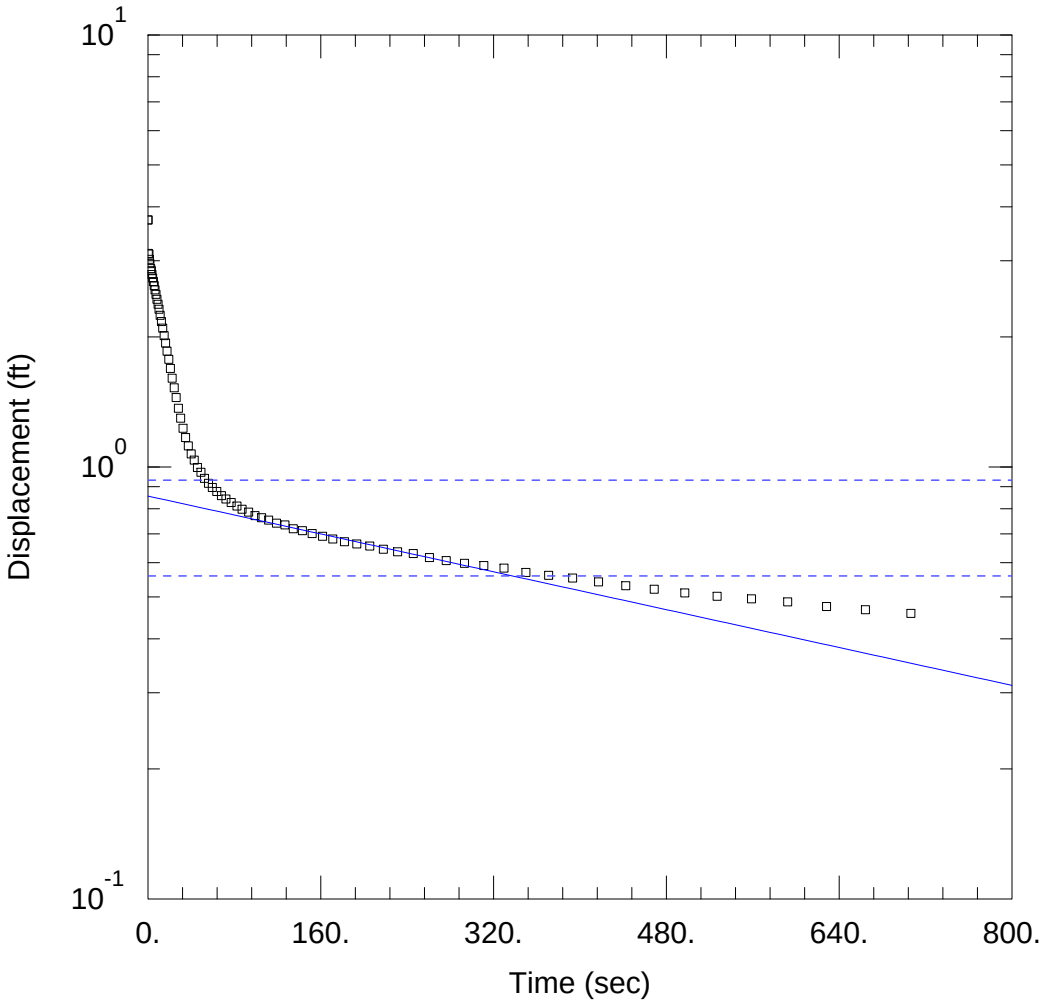
Saturated Thickness: 7.26 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3)

Initial Displacement: 3.729 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 7.26 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.000198 cm/sec
y0 = 1.292 ft



MW-3 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-3
Test Date: 2-4-15

AQUIFER DATA

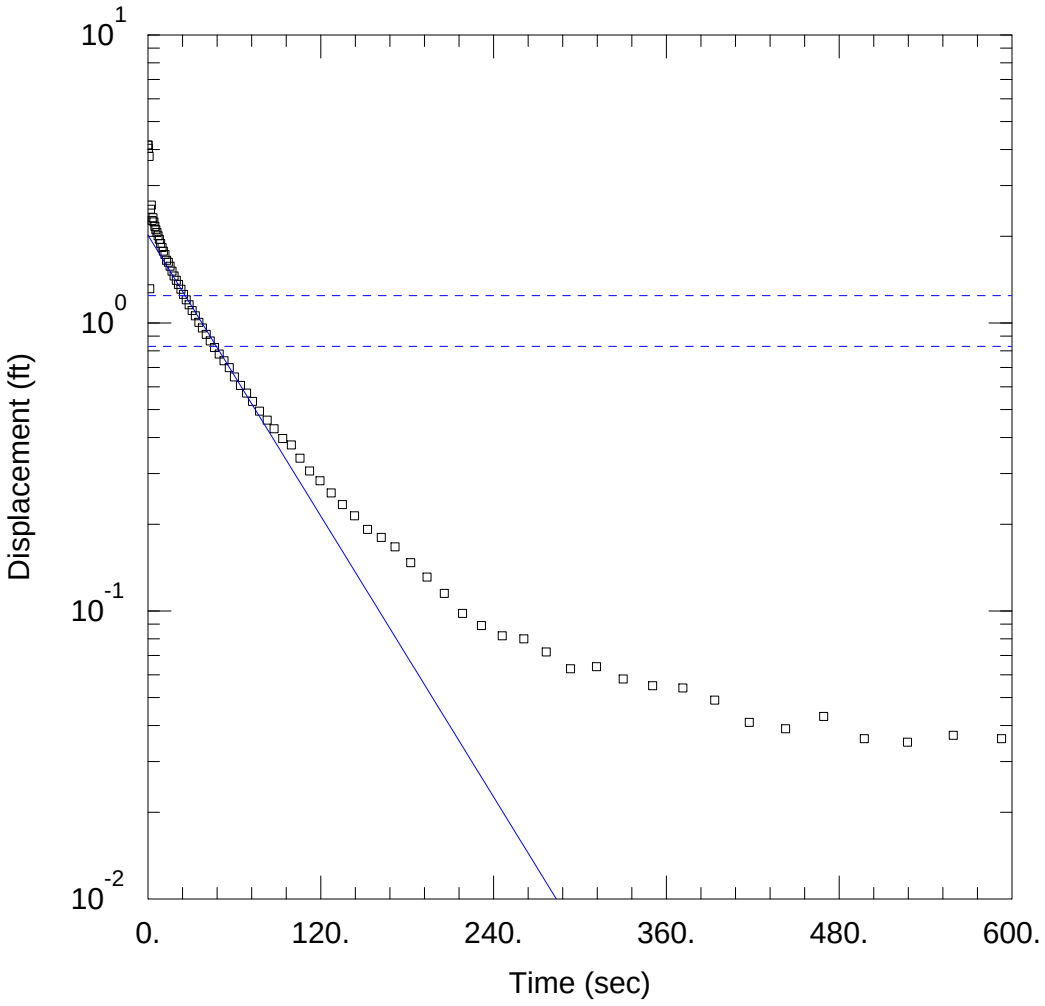
Saturated Thickness: 7.26 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3)

Initial Displacement: 3.729 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 7.26 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 8.385E-5 cm/sec
y0 = 0.856 ft



MW-4 FALLING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-4
Test Date: 2-4-15

AQUIFER DATA

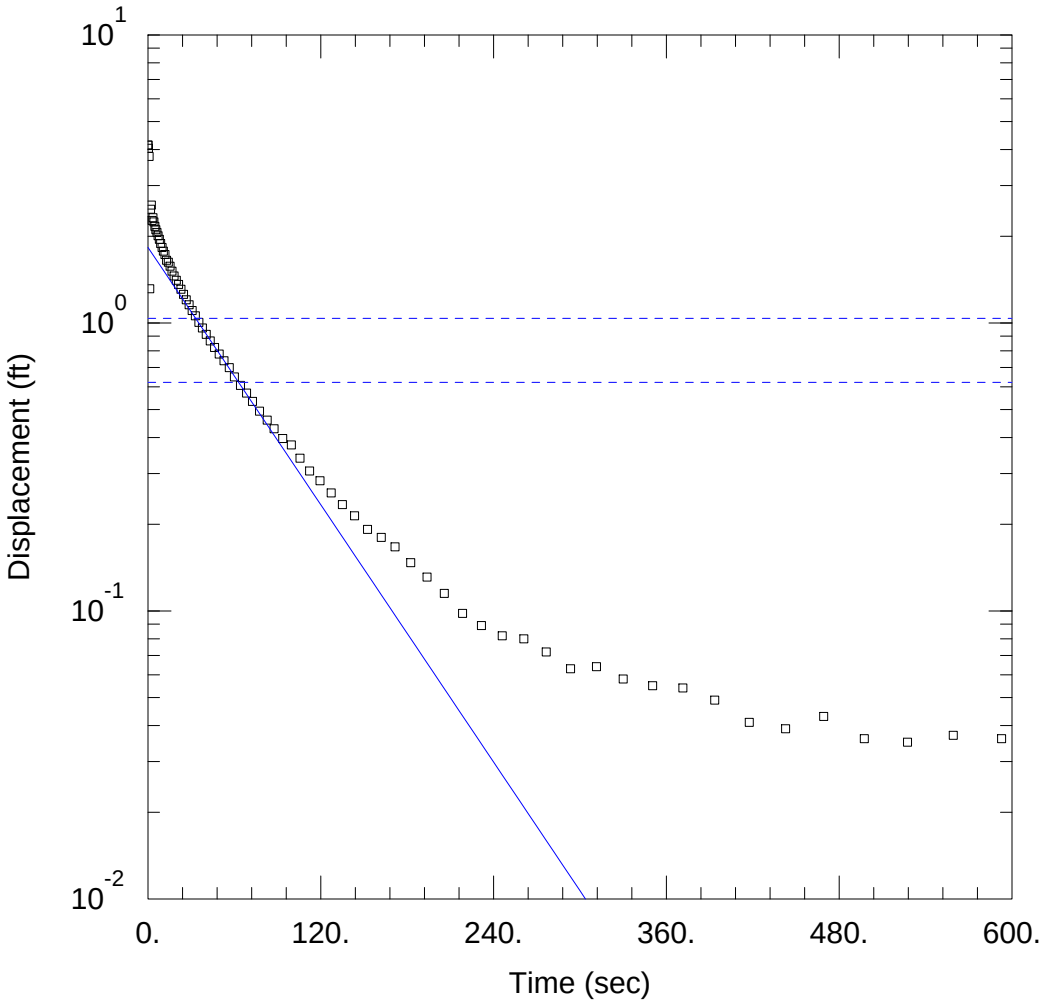
Saturated Thickness: 12.78 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 4.146 ft
Total Well Penetration Depth: 12.78 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12.78 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0005058 cm/sec
y0 = 2.016 ft



MW-4 FALLING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-4
Test Date: 2-4-15

AQUIFER DATA

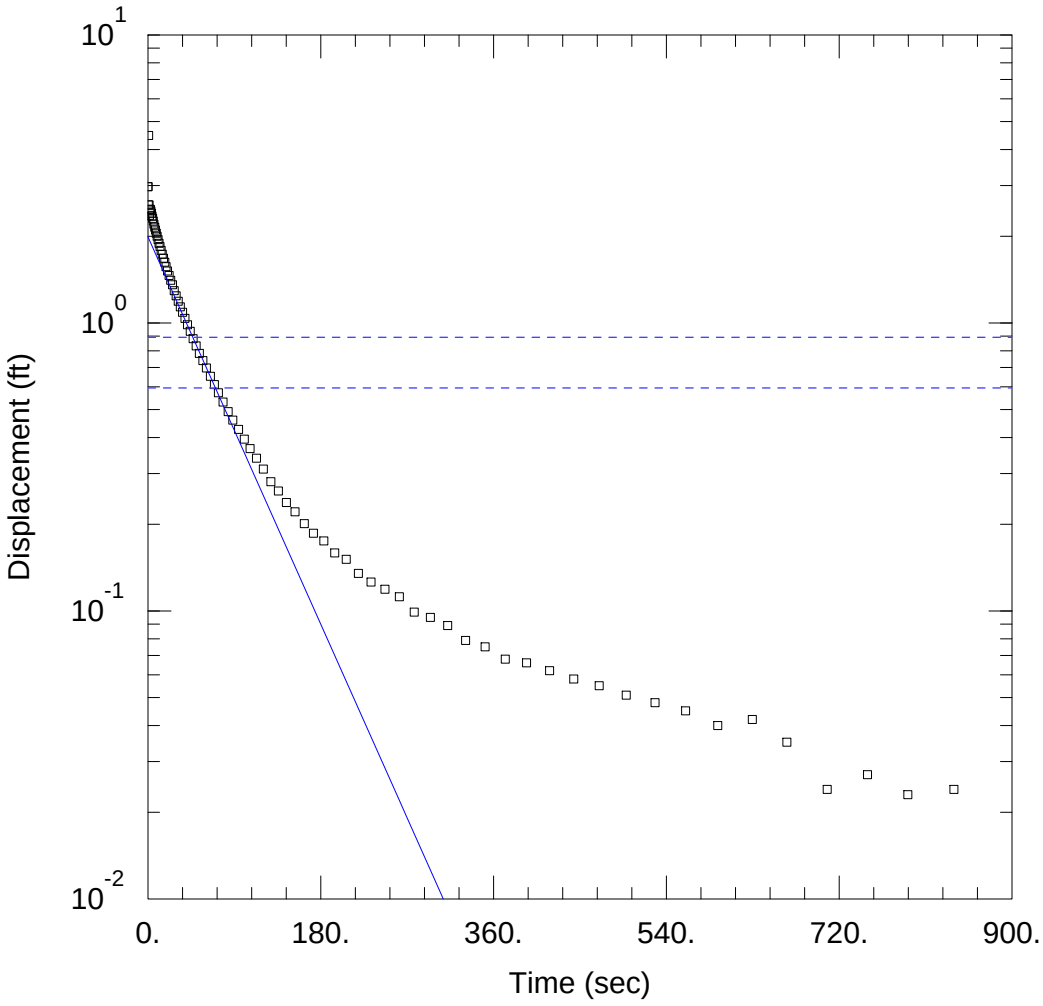
Saturated Thickness: 12.78 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 4.146 ft
Total Well Penetration Depth: 12.78 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12.78 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.0006845 cm/sec
y0 = 1.829 ft



MW-4 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-4
Test Date: 2-4-15

AQUIFER DATA

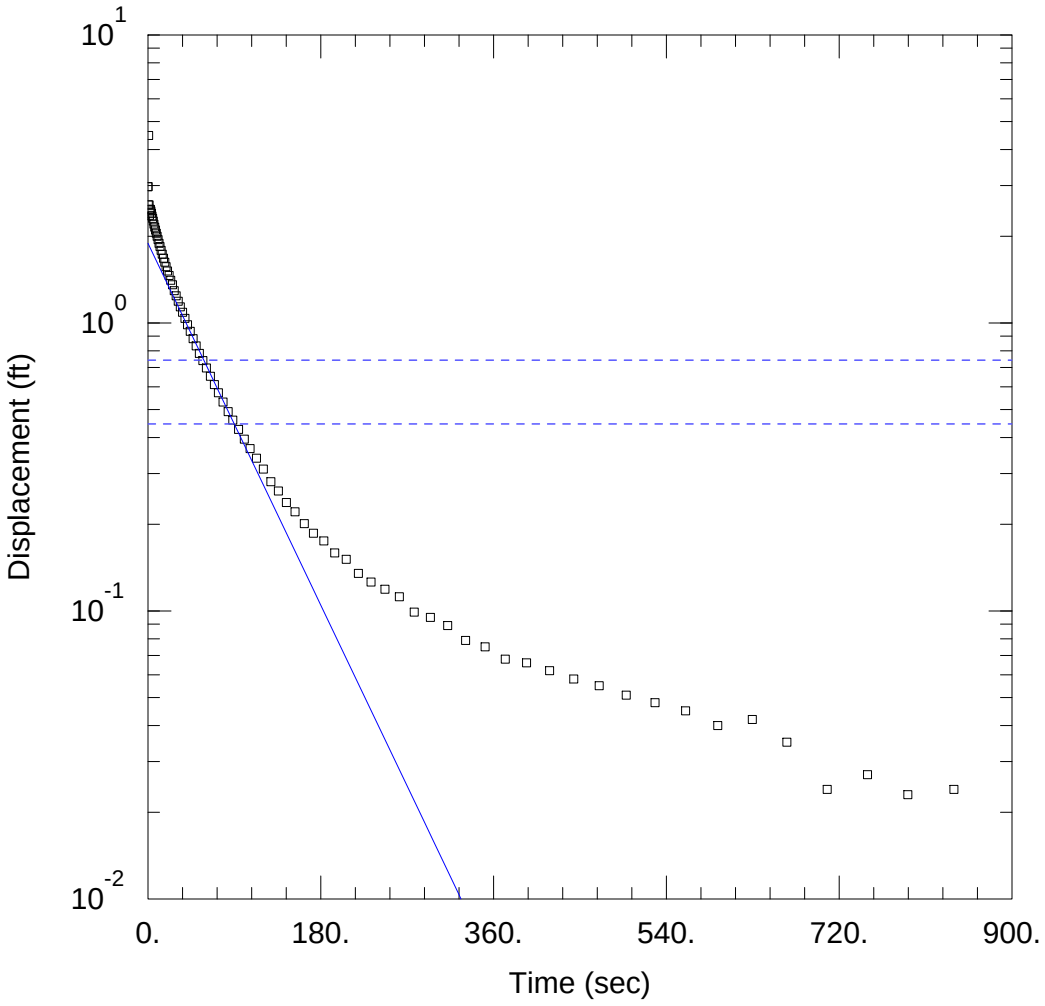
Saturated Thickness: 12.78 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 2.972 ft
Total Well Penetration Depth: 12.78 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12.78 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0004651 cm/sec
y0 = 1.989 ft



MW-4 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-4
Test Date: 2-4-15

AQUIFER DATA

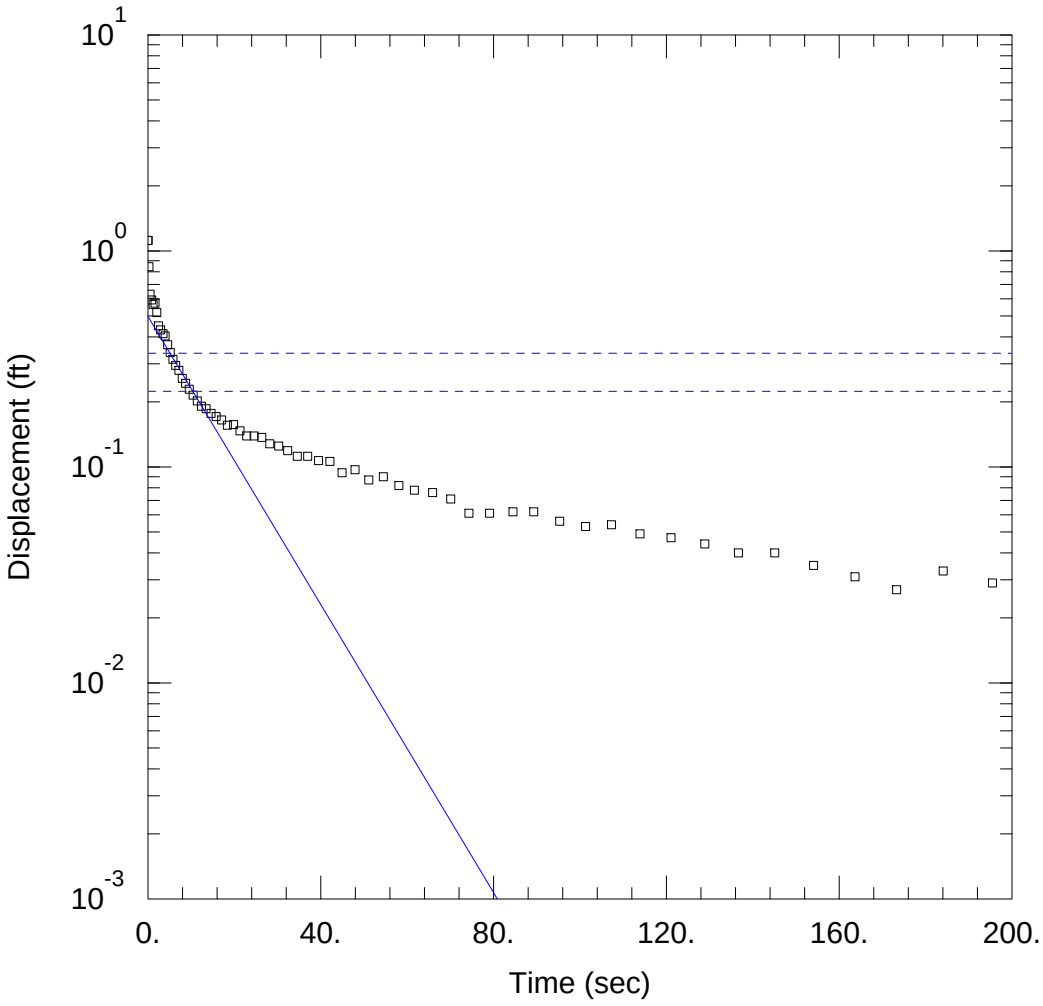
Saturated Thickness: 12.78 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 2.972 ft
Total Well Penetration Depth: 12.78 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12.78 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.0006417 cm/sec
y0 = 1.89 ft



MW-9 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-9
Test Date: 2-4-15

AQUIFER DATA

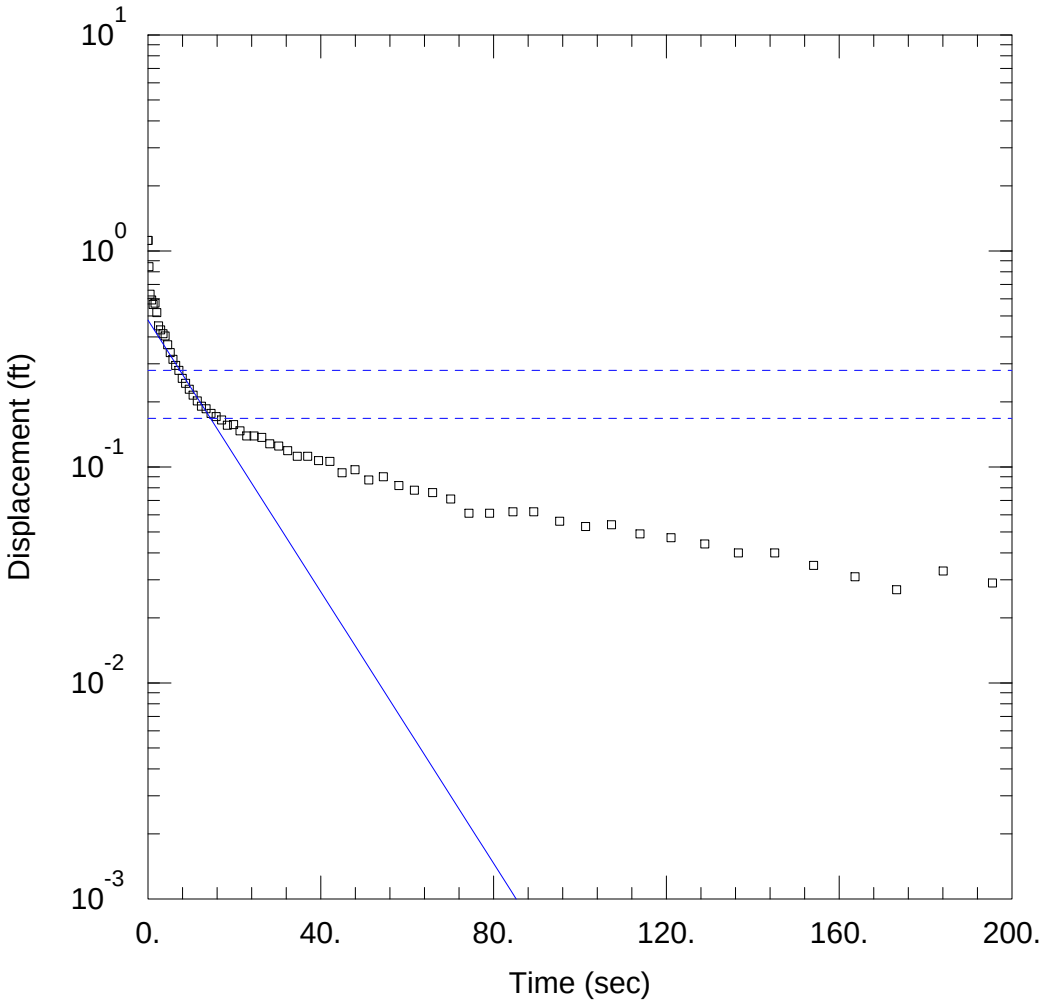
Saturated Thickness: 7.02 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9)

Initial Displacement: 1.119 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 7.02 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.002721 cm/sec
y0 = 0.4969 ft



MW-9 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-9
Test Date: 2-4-15

AQUIFER DATA

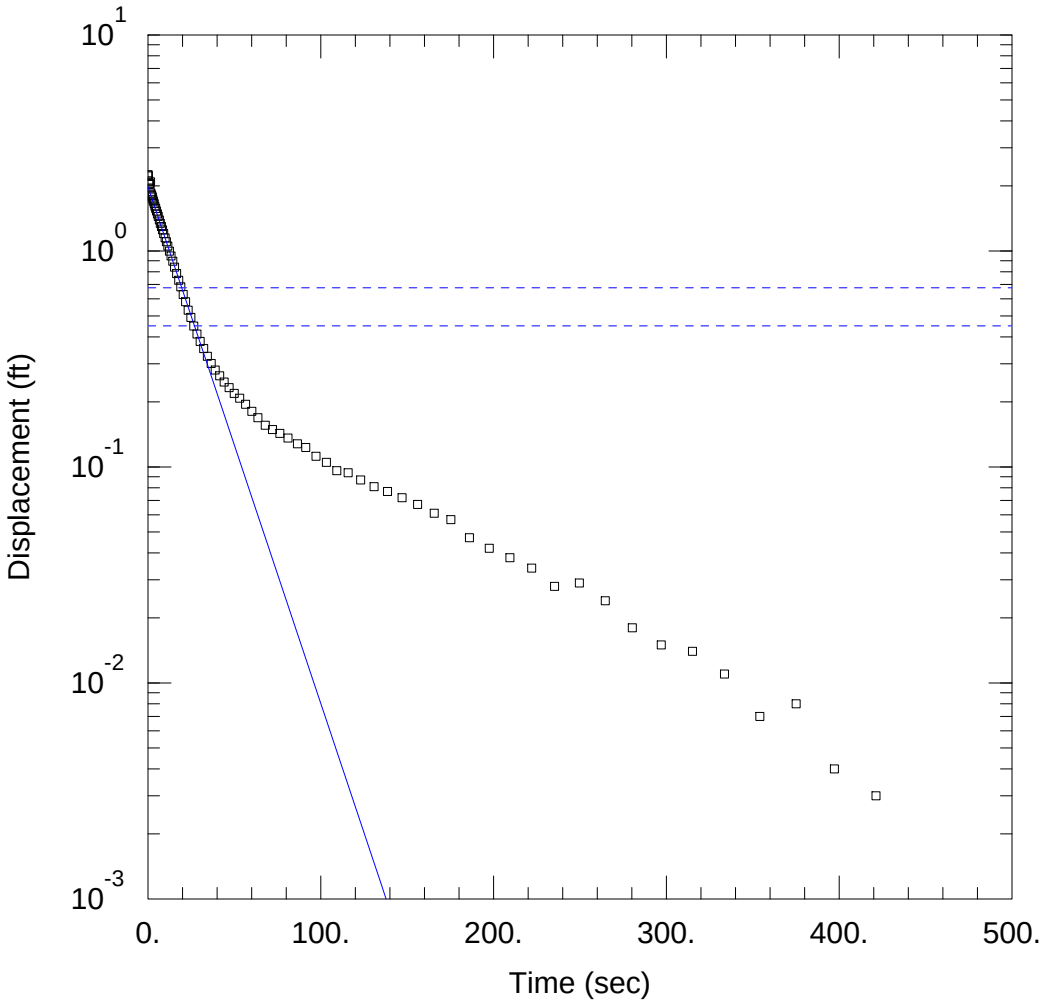
Saturated Thickness: 7.02 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9)

Initial Displacement: 1.119 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 7.02 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.004977 cm/sec
y0 = 0.4779 ft



MW-11 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-11
Test Date: 2-4-15

AQUIFER DATA

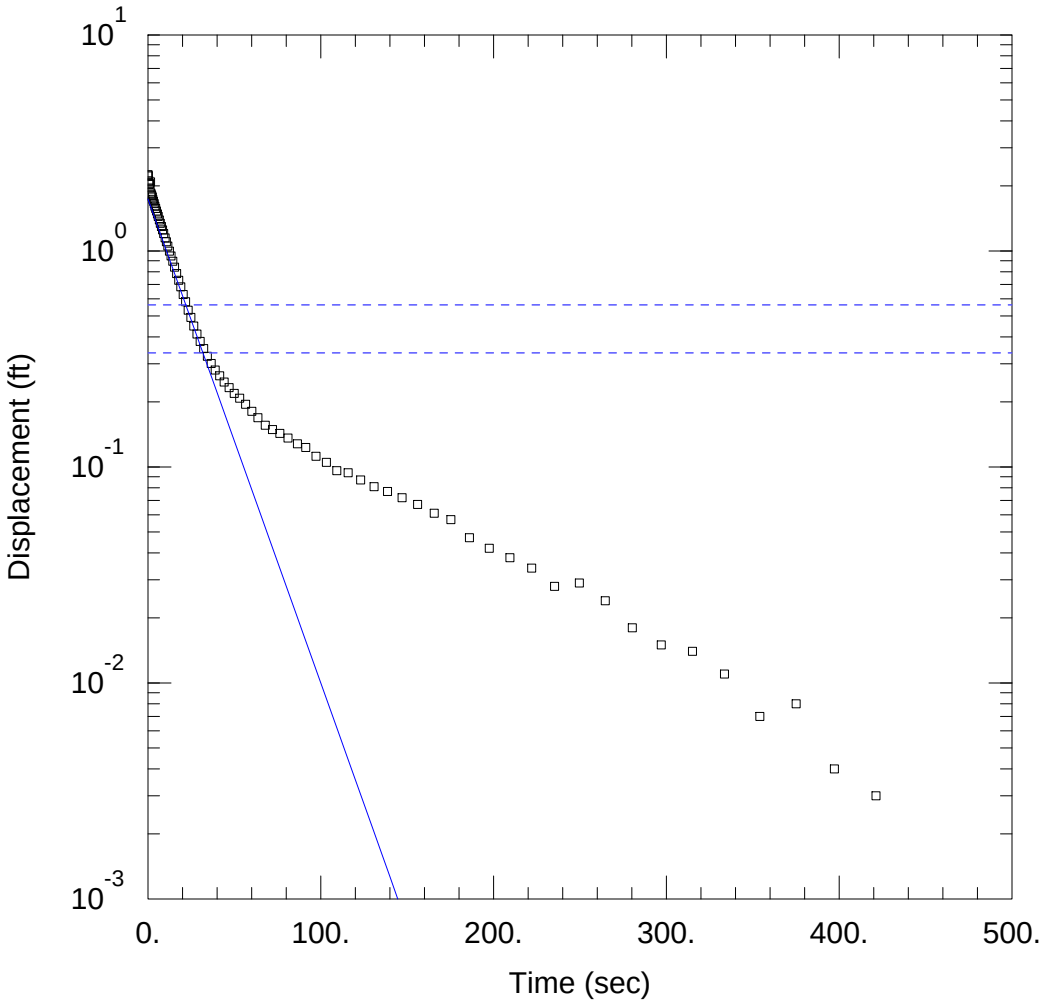
Saturated Thickness: 9.96 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11)

Initial Displacement: 2.249 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9.96 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.001416 cm/sec
y0 = 1.978 ft



MW-11 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-11
Test Date: 2-4-15

AQUIFER DATA

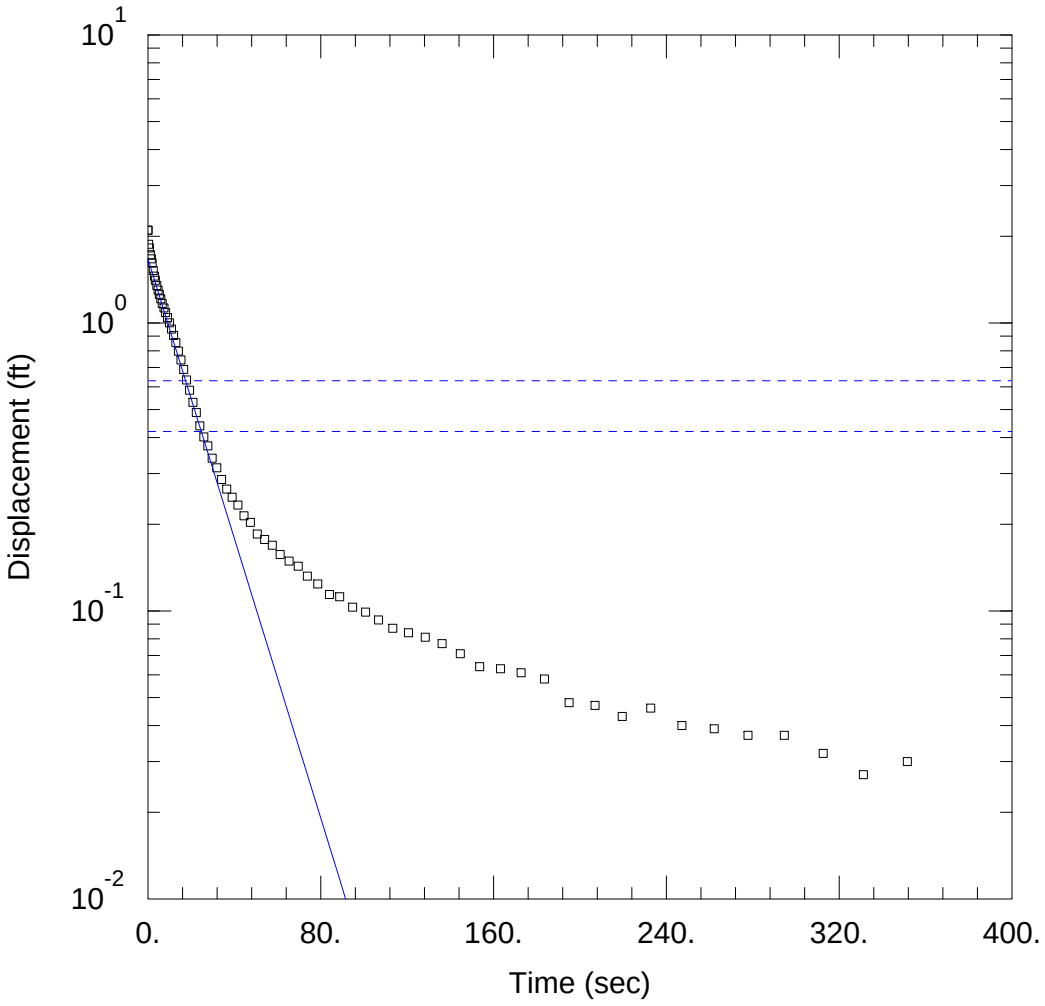
Saturated Thickness: 9.96 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11)

Initial Displacement: 2.249 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9.96 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.0025 cm/sec
y0 = 1.738 ft



MW-15 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-15
Test Date: 2-4-15

AQUIFER DATA

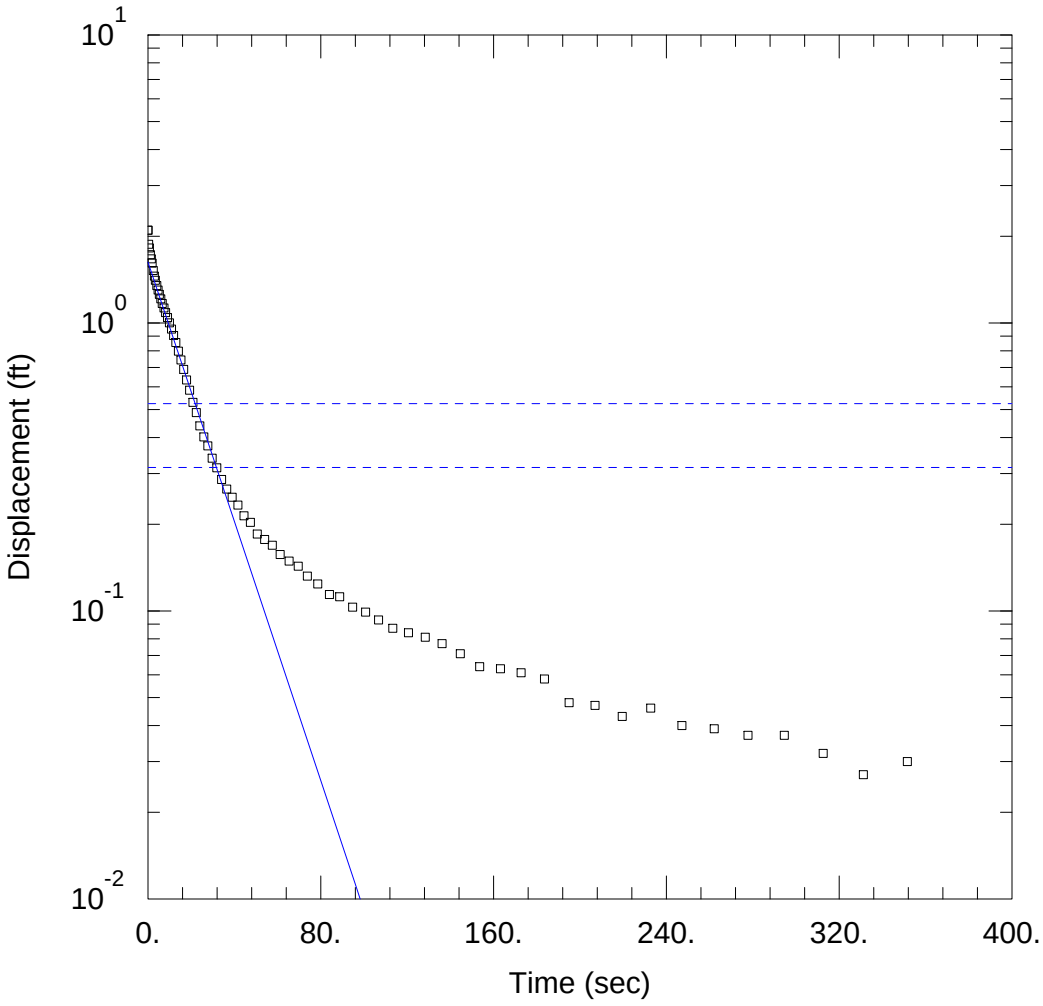
Saturated Thickness: 9.26 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-15)

Initial Displacement: 2.099 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9.26 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.001538 cm/sec
y0 = 1.667 ft



MW-15 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-15
Test Date: 2-4-15

AQUIFER DATA

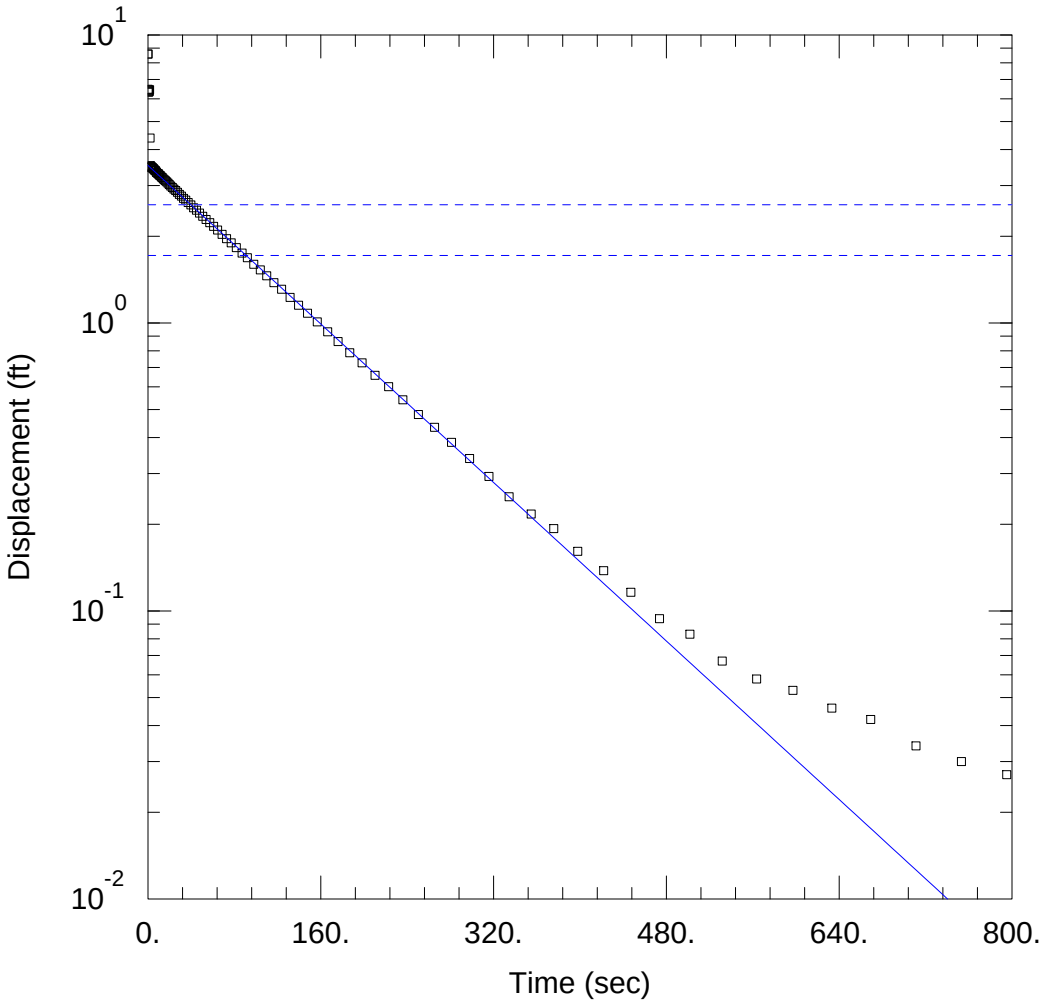
Saturated Thickness: 9.26 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-15)

Initial Displacement: 2.099 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9.26 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.002701 cm/sec
y0 = 1.626 ft



MW-16D FALLING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-16D
Test Date: 2-4-15

AQUIFER DATA

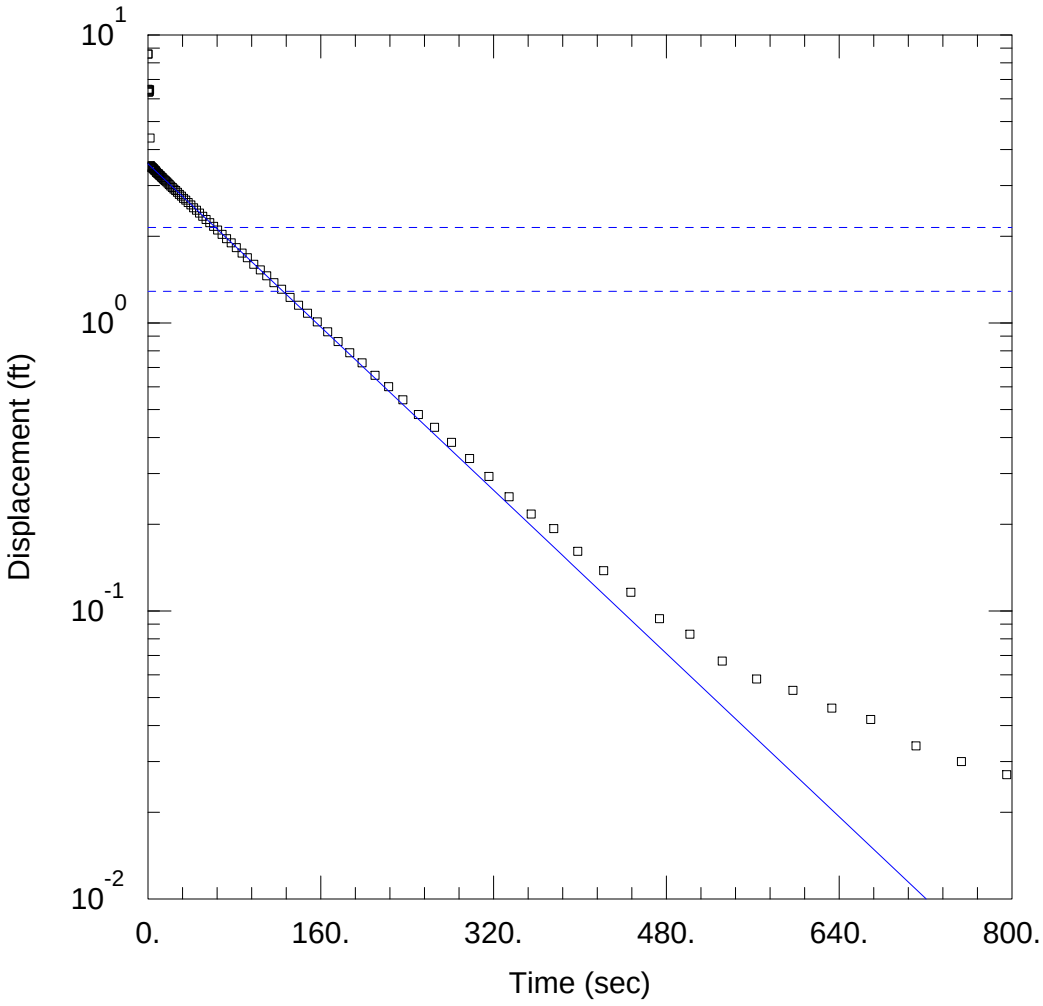
Saturated Thickness: 51.4 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-16D)

Initial Displacement: 8.578 ft
Total Well Penetration Depth: 56.4 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 51.4 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0002771 cm/sec
y0 = 3.522 ft



MW-16D FALLING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-16D
Test Date: 2-4-15

AQUIFER DATA

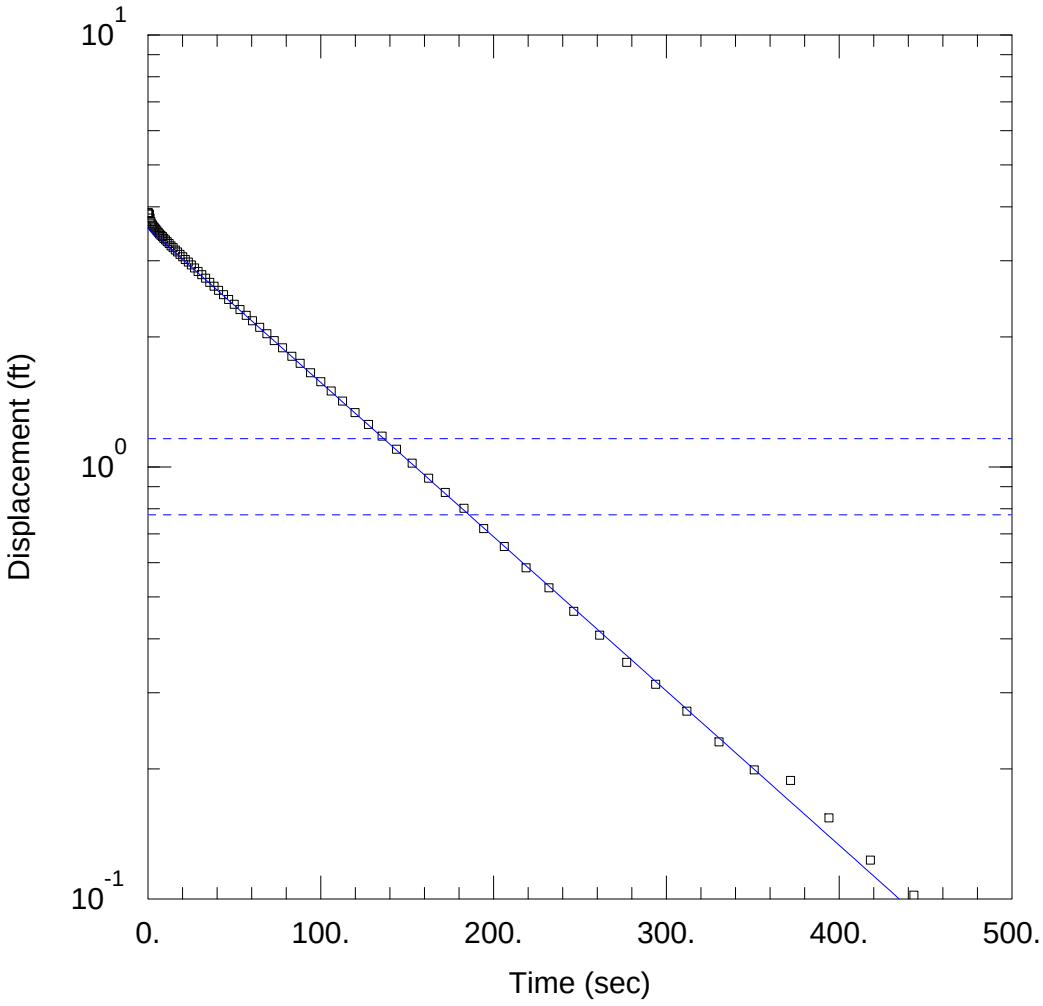
Saturated Thickness: 51.4 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-16D)

Initial Displacement: 8.578 ft
Total Well Penetration Depth: 56.4 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 51.4 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.0003256 cm/sec
y0 = 3.568 ft



MW-16D RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-16D
Test Date: 2-4-15

AQUIFER DATA

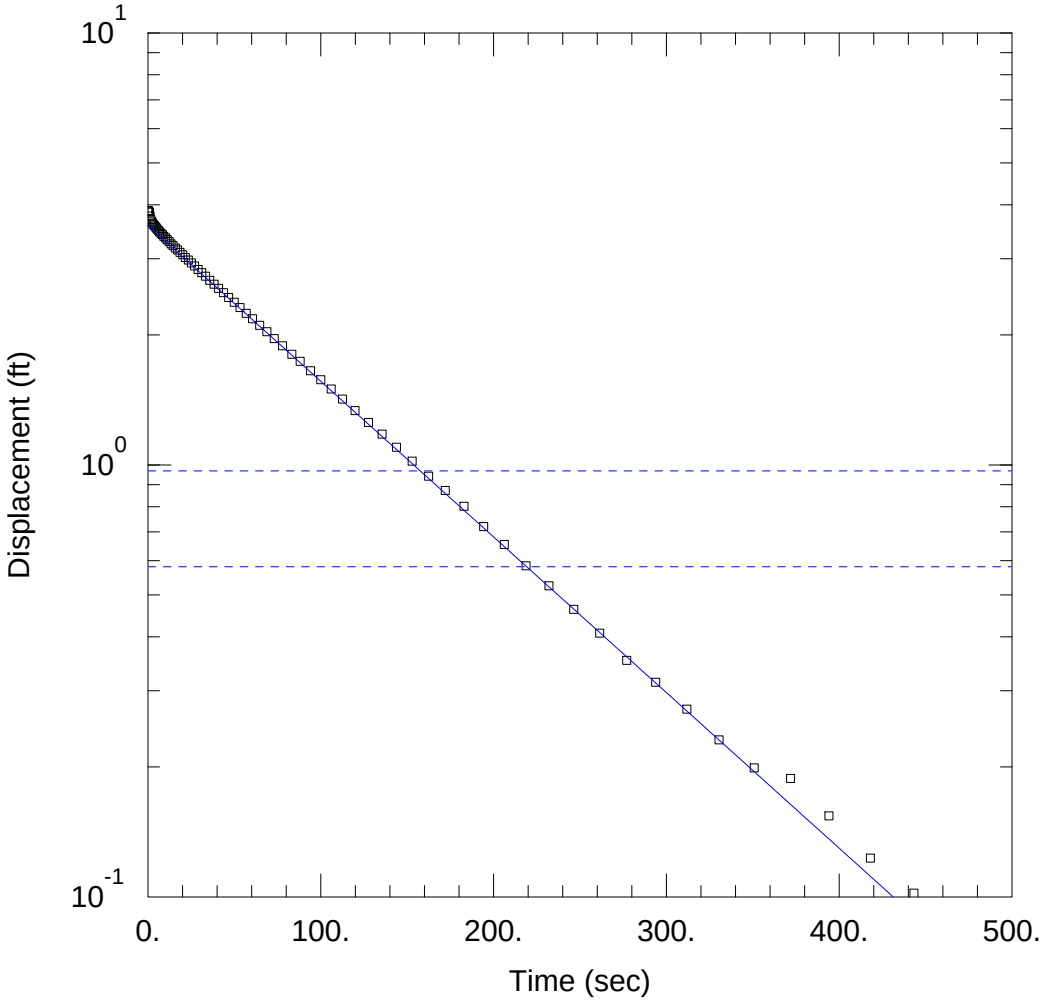
Saturated Thickness: 51.4 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-16D)

Initial Displacement: 3.874 ft
Total Well Penetration Depth: 56.4 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 51.4 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0002876 cm/sec
y0 = 3.568 ft



MW-16D RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-16D
Test Date: 2-4-15

AQUIFER DATA

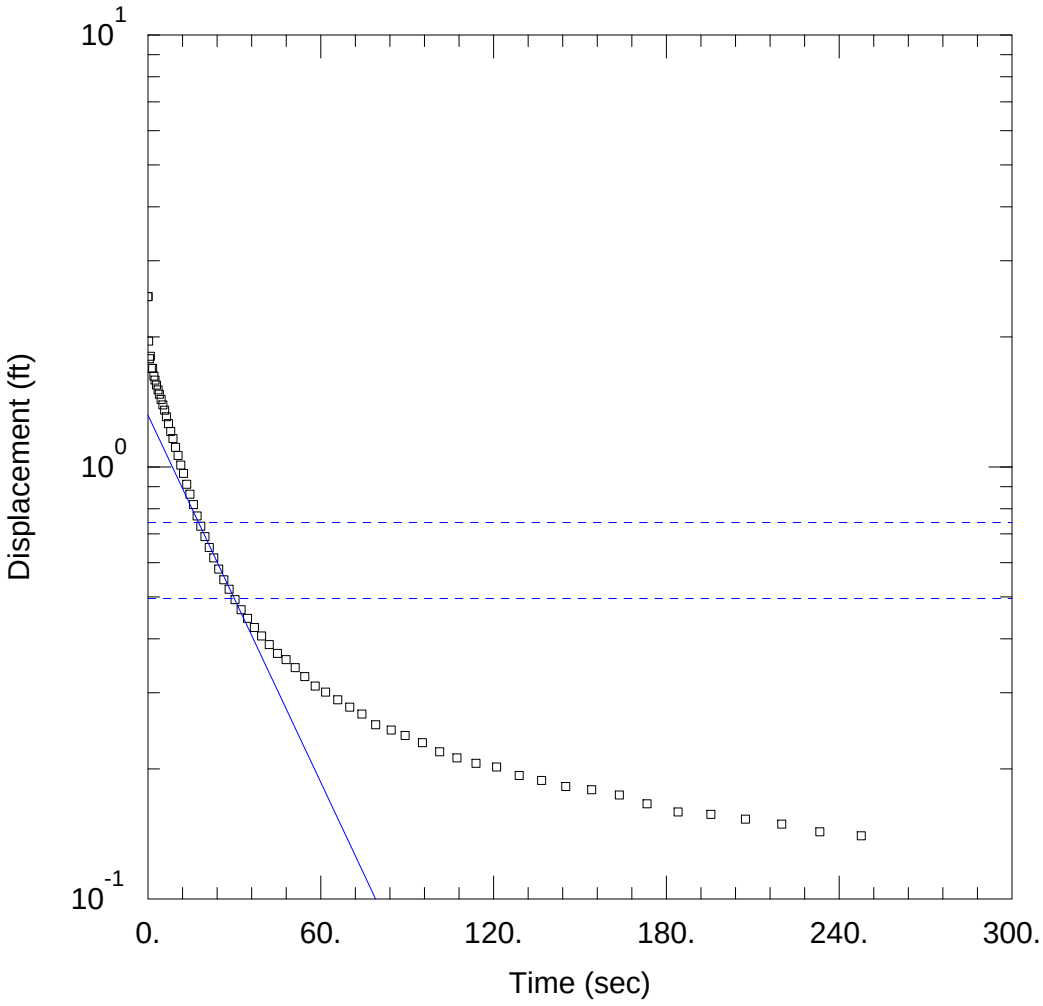
Saturated Thickness: 51.4 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-16D)

Initial Displacement: 3.874 ft
Total Well Penetration Depth: 56.4 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 51.4 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.0003312 cm/sec
y0 = 3.579 ft



MW-17 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-17
Test Date: 2-4-15

AQUIFER DATA

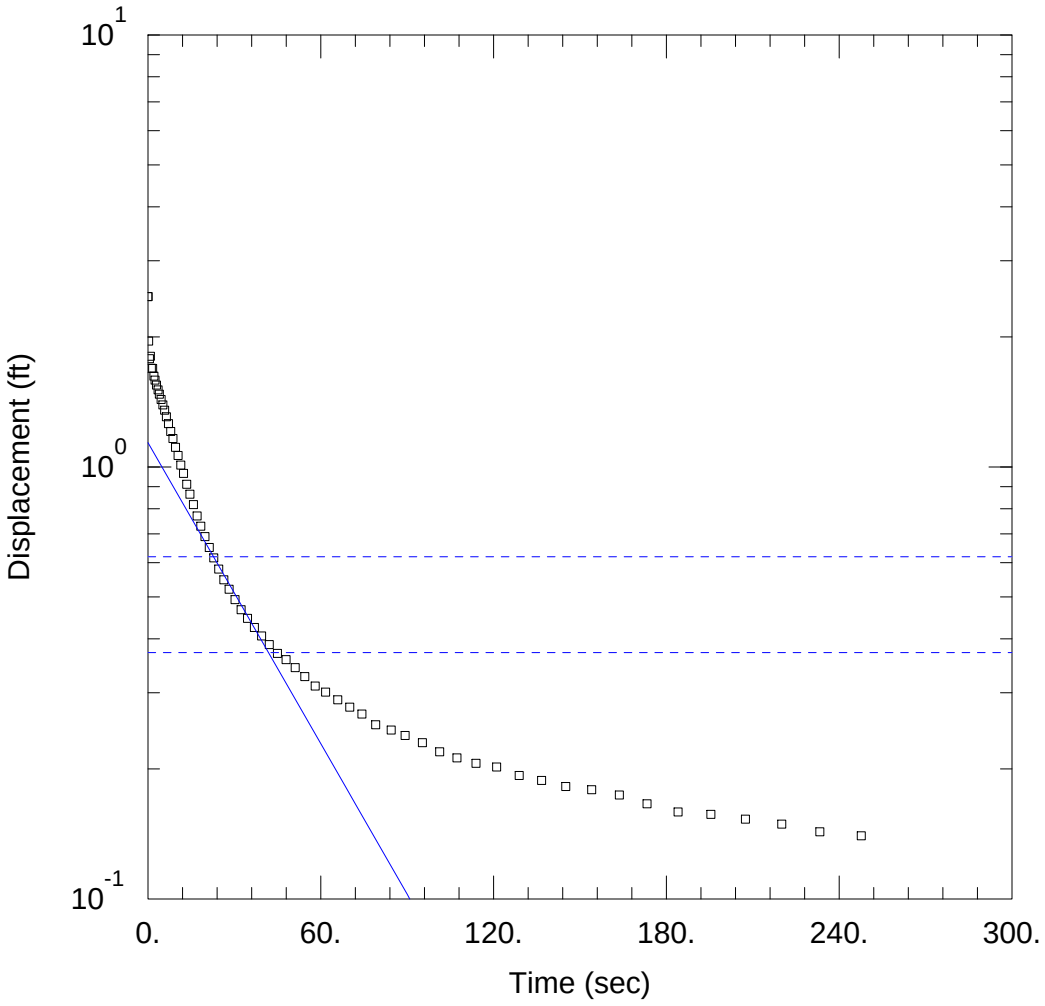
Saturated Thickness: 5.13 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-17)

Initial Displacement: 2.479 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 5.13 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.001525 cm/sec
y0 = 1.318 ft



MW-17 RISING HEAD TEST

PROJECT INFORMATION

Company: AMEC Foster Wheeler
Client: RBTC
Project: 6251-12-1007
Location: Fountan Inn, SC
Test Well: MW-17
Test Date: 2-4-15

AQUIFER DATA

Saturated Thickness: 5.13 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-17)

Initial Displacement: 2.479 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 5.13 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Hvorslev
K = 0.002516 cm/sec
y0 = 1.138 ft

APPENDIX H

LABORATORY ANALYTICAL RESULTS

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

November 11, 2014

Paul Johnstone
AMEC E&I, Inc.
37 Villa Rd.
Greenville SC 29615

TEL: (864) 552-9624
FAX: (864) 552-9699

RE: RBTC Fountain Inn

Dear Paul Johnstone: Order No: 1411153

Analytical Environmental Services, Inc. received 30 samples on 11/4/2014 12:25:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-South Carolina Certification number 98016003 for Clean Water Act and for Solid and Hazardous Waste, effective until 6/30/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Tara Esbeck

Tara Esbeck
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1411153

Date: 11-3-14 Page 1 of ____

COMPANY: AMEC
37 Villa Rd. Ste 301
Greenville SC 29615

ADDRESS:

PHONE:

FAX:

SAMPLED BY: Ryan Adams

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE (2014)	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260	8270	PRESERVATION (See codes) H+I	PRESERVATION (See codes) I	REMARKS	No # of Containers
1	TB-00-001	11-3	—	G		W	X					2
2	TB-00-002		—	G		W	X					2
3	RB-00-001		1435	G		W	X	X				3
4	FB-00-001		1430	G		W	X	X				3
5	SB-09-08X010XX		1110	G		SO	X	X				5
6	SB-09-03X009XD		1305	G			X	X				5
7	SB-09-02X008XX		1135	G			X	X				5
8	SB-09-01X010XX		1100	G			X	X				5
9	SB-09-06X010XX		1030	G			X	X				5
10	SB-09-06X008XX		1020	G			X	X				5
11	SB-08-07X010XX		1050	G			X	X				5
12	SB-09-04X008XX		1155	G			X	X				5
13	SB-08-02X010XX		1140	G			X	X				5
14	SB-08-07X008XX		1040	G			X	X				5

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

ANALYSIS REQUESTED

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Ryan Adams	11/04 0950	1:	11/04 9:50
2:	11/07 12:27	2: Cataya Reeves	11/4/14 12:25p
3:		3:	

PROJECT INFORMATION

PROJECT NAME: RBTC - Ft. Inn

PROJECT #: 60251121007

SITE ADDRESS:

SEND REPORT TO: Paul Johnstone

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any): SC

E-mail? (Y) N; Fax? Y / N

DATA PACKAGE: I (II) III IV

SPECIAL INSTRUCTIONS/COMMENTS:

Temp 3.2° & 2.9°C

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1411153

Date: 11-3-14 Page 2 of ____

COMPANY: AMEC

ADDRESS:

PHONE:

FAX:

SAMPLED BY: Ryan Adams

SIGNATURE:

ANALYSIS REQUESTED: 8260 | 8270

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SB-08-01X008XX	11.3.2014	1055	G		SO	X X		5
2	SB-04-03X002XX		1350				X X		5
3	SB-04-01X002XX		1340				X X		5
4	SB-08-03X010XX		1320				X X		5
5	SB-06-01X001XX		1400				X X		5
6	SB-08-04X010XX		1200				X X		5
7	SB-06-02X001XX		1415				X X		5
8	SB-06-01X002MD		1405				X X		5
9	SB-08-05X010XX		1335				X X		5
10	SB-04-02X002XX		1345				X X		5
11	SB-06-01X002MS		1405				X X		5
12	SB-06-01X002XX		1405				X X		5
13	SB-06-02X002XX		1420				X X		5
14	SB-08-08X008XX		1105				X X		5

RELINQUISHED BY / DATE/TIME

1: Ryan Adams 11/04 0950

2: 11/04 12:15

3:

RECEIVED BY / DATE/TIME

1: 11/04 9:50

2: CatoyaReeves 11/4/14 12:25

3:

PROJECT INFORMATION

PROJECT NAME: RBTC-Ft. Irwin

PROJECT #: 623112007

SITE ADDRESS:

SEND REPORT TO: Paul Johnstone

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any): SC

E-mail? (Y) N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS: Temp 3.2°C & 2.9°C

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER____

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1411153

Date: 11-3-14 Page 3 of ____

COMPANY: AMEC

ADDRESS:

PHONE:

FAX:

SAMPLED BY: Ryan Adams

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260	8270	PRESERVATION (See codes)														REMARKS	No # of Containers
1	SB-08-03X008XX	11-3	1330	G		SO	X	X																5
2	SB-08-03X008XX	11-3	1305	G		SO	X	X																5
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY / DATE/TIME

1: [signature] 11/04 0950

2: [signature] 11/07 12:25

3:

RECEIVED BY / DATE/TIME

1: [signature] 11/07 9:50

2: Cataya Rivera 11/4/14 12:25p

3:

SPECIAL INSTRUCTIONS/COMMENTS:

Temp 3.2°C ; 2.9°C

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: RBTC - Ft. Inn

PROJECT #: 625112007

SITE ADDRESS:

SEND REPORT TO: Paul Johnstone

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers

Turnaround Time Request

- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush **(auth req.)**
- ( ) Other _____

STATE PROGRAM (if any): SC

E-mail? (Y) N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 11-Nov-14

Client: AMEC E&I, Inc.
Project: RBTC Fountain Inn
Lab ID: 1411153

Case Narrative

Volatile Organic Compounds Analysis by Method 8260B:

LCS-198787 recovery for 1,2,4-Trichlorobenzene, & Tetrachloroethene was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

LCS-198980 recovery for Tetrachloroethene was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Semi-Volatile Organics Analysis by Method 8270:

LCS-198709 recovery for hexachlorobutadiene was outside control limits biased low.

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014
Lab ID:	1411153-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	198947	1	11/08/2014 12:51	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	198947	1	11/08/2014 12:51	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	198947	1	11/08/2014 12:51	NP
2-Butanone	BRL		2.0	10	ug/L	198947	1	11/08/2014 12:51	NP
2-Hexanone	BRL		0.59	10	ug/L	198947	1	11/08/2014 12:51	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	198947	1	11/08/2014 12:51	NP
Acetone	BRL		5.6	20	ug/L	198947	1	11/08/2014 12:51	NP
Benzene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Bromoform	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Bromomethane	BRL		0.54	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	198947	1	11/08/2014 12:51	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	198947	1	11/08/2014 12:51	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Chloroethane	BRL		0.71	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Chloroform	BRL		0.45	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Chloromethane	BRL		0.60	1.0	ug/L	198947	1	11/08/2014 12:51	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 12:51	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Cyclohexane	BRL		1.7	2.0	ug/L	198947	1	11/08/2014 12:51	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Freon-113	BRL		0.59	5.0	ug/L	198947	1	11/08/2014 12:51	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	198947	1	11/08/2014 12:51	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Methyl acetate	BRL		1.5	2.0	ug/L	198947	1	11/08/2014 12:51	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	198947	1	11/08/2014 12:51	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014
Lab ID:	1411153-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		0.91	5.0	ug/L	198947	1	11/08/2014 12:51	NP
o-Xylene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Styrene	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Toluene	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 12:51	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	198947	1	11/08/2014 12:51	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	198947	1	11/08/2014 12:51	NP
Trichloroethene	BRL		0.43	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	198947	1	11/08/2014 12:51	NP
Surr: 4-Bromofluorobenzene	84.5		0	70-130	%REC	198947	1	11/08/2014 12:51	NP
Surr: Dibromofluoromethane	110		0	70-130	%REC	198947	1	11/08/2014 12:51	NP
Surr: Toluene-d8	99.2		0	70-130	%REC	198947	1	11/08/2014 12:51	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-002
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014
Lab ID:	1411153-002	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	198947	1	11/08/2014 13:16	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	198947	1	11/08/2014 13:16	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	198947	1	11/08/2014 13:16	NP
2-Butanone	BRL		2.0	10	ug/L	198947	1	11/08/2014 13:16	NP
2-Hexanone	BRL		0.59	10	ug/L	198947	1	11/08/2014 13:16	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	198947	1	11/08/2014 13:16	NP
Acetone	BRL		5.6	20	ug/L	198947	1	11/08/2014 13:16	NP
Benzene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Bromoform	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Bromomethane	BRL		0.54	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	198947	1	11/08/2014 13:16	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	198947	1	11/08/2014 13:16	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Chloroethane	BRL		0.71	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Chloroform	BRL		0.45	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Chloromethane	BRL		0.60	1.0	ug/L	198947	1	11/08/2014 13:16	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 13:16	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Cyclohexane	BRL		1.7	2.0	ug/L	198947	1	11/08/2014 13:16	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Freon-113	BRL		0.59	5.0	ug/L	198947	1	11/08/2014 13:16	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	198947	1	11/08/2014 13:16	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Methyl acetate	BRL		1.5	2.0	ug/L	198947	1	11/08/2014 13:16	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	198947	1	11/08/2014 13:16	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-002
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014
Lab ID:	1411153-002	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		0.91	5.0	ug/L	198947	1	11/08/2014 13:16	NP
o-Xylene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Styrene	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Toluene	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 13:16	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	198947	1	11/08/2014 13:16	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	198947	1	11/08/2014 13:16	NP
Trichloroethene	BRL		0.43	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	198947	1	11/08/2014 13:16	NP
Surr: 4-Bromofluorobenzene	83.6		0	70-130	%REC	198947	1	11/08/2014 13:16	NP
Surr: Dibromofluoromethane	109		0	70-130	%REC	198947	1	11/08/2014 13:16	NP
Surr: Toluene-d8	98		0	70-130	%REC	198947	1	11/08/2014 13:16	NP

Qualifiers:

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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:35:00 PM
Lab ID:	1411153-003	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
1,1´-Biphenyl	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
2,4,5-Trichlorophenol	BRL		1.4	25	ug/L	198709	1	11/07/2014 18:10	YH
2,4,6-Trichlorophenol	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:10	YH
2,4-Dichlorophenol	BRL		1.8	10	ug/L	198709	1	11/07/2014 18:10	YH
2,4-Dimethylphenol	BRL		1.8	10	ug/L	198709	1	11/07/2014 18:10	YH
2,4-Dinitrophenol	BRL		0.72	25	ug/L	198709	1	11/07/2014 18:10	YH
2,4-Dinitrotoluene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:10	YH
2,6-Dinitrotoluene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:10	YH
2-Chloronaphthalene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:10	YH
2-Chlorophenol	BRL		2.1	10	ug/L	198709	1	11/07/2014 18:10	YH
2-Methylnaphthalene	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:10	YH
2-Methylphenol	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:10	YH
2-Nitroaniline	BRL		1.4	25	ug/L	198709	1	11/07/2014 18:10	YH
2-Nitrophenol	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:10	YH
3,3´-Dichlorobenzidine	BRL		2.7	10	ug/L	198709	1	11/07/2014 18:10	YH
3-Nitroaniline	BRL		3.3	25	ug/L	198709	1	11/07/2014 18:10	YH
4,6-Dinitro-2-methylphenol	BRL		1.0	25	ug/L	198709	1	11/07/2014 18:10	YH
4-Bromophenyl phenyl ether	BRL		1.7	10	ug/L	198709	1	11/07/2014 18:10	YH
4-Chloro-3-methylphenol	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
4-Chloroaniline	BRL		4.2	10	ug/L	198709	1	11/07/2014 18:10	YH
4-Chlorophenyl phenyl ether	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
4-Methylphenol	BRL		3.3	10	ug/L	198709	1	11/07/2014 18:10	YH
4-Nitroaniline	BRL		1.3	25	ug/L	198709	1	11/07/2014 18:10	YH
4-Nitrophenol	BRL		1.2	25	ug/L	198709	1	11/07/2014 18:10	YH
Acenaphthene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
Acenaphthylene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Acetophenone	BRL		3.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Anthracene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:10	YH
Atrazine	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:10	YH
Benz(a)anthracene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
Benzaldehyde	BRL		6.2	10	ug/L	198709	1	11/07/2014 18:10	YH
Benzo(a)pyrene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
Benzo(b)fluoranthene	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:10	YH
Benzo(g,h,i)perylene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:10	YH
Benzo(k)fluoranthene	BRL		2.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Bis(2-chloroethoxy)methane	BRL		1.7	10	ug/L	198709	1	11/07/2014 18:10	YH
Bis(2-chloroethyl)ether	BRL		2.2	10	ug/L	198709	1	11/07/2014 18:10	YH
Bis(2-chloroisopropyl)ether	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:10	YH
Bis(2-ethylhexyl)phthalate	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:10	YH

Qualifiers:

- * Value exceeds maximum contaminant level
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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:35:00 PM
Lab ID:	1411153-003	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
Butyl benzyl phthalate	BRL		1.3	10	ug/L	198709	1	11/07/2014 18:10	YH
Caprolactam	BRL		0.35	10	ug/L	198709	1	11/07/2014 18:10	YH
Carbazole	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Chrysene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
Di-n-butyl phthalate	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Di-n-octyl phthalate	BRL		1.3	10	ug/L	198709	1	11/07/2014 18:10	YH
Dibenz(a,h)anthracene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Dibenzofuran	BRL		1.7	10	ug/L	198709	1	11/07/2014 18:10	YH
Diethyl phthalate	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:10	YH
Dimethyl phthalate	BRL		1.3	10	ug/L	198709	1	11/07/2014 18:10	YH
Fluoranthene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:10	YH
Fluorene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Hexachlorobenzene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
Hexachlorobutadiene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
Hexachlorocyclopentadiene	BRL		1.3	10	ug/L	198709	1	11/07/2014 18:10	YH
Hexachloroethane	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:10	YH
Indeno(1,2,3-cd)pyrene	BRL		2.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Isophorone	BRL		1.7	10	ug/L	198709	1	11/07/2014 18:10	YH
N-Nitrosodi-n-propylamine	BRL		1.8	10	ug/L	198709	1	11/07/2014 18:10	YH
N-Nitrosodiphenylamine	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Naphthalene	BRL		1.8	10	ug/L	198709	1	11/07/2014 18:10	YH
Nitrobenzene	BRL		2.3	10	ug/L	198709	1	11/07/2014 18:10	YH
Pentachlorophenol	BRL		1.1	25	ug/L	198709	1	11/07/2014 18:10	YH
Phenanthrene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:10	YH
Phenol	BRL		1.2	10	ug/L	198709	1	11/07/2014 18:10	YH
Pyrene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:10	YH
Surr: 2,4,6-Tribromophenol	81.8		0	51.5-124	%REC	198709	1	11/07/2014 18:10	YH
Surr: 2-Fluorobiphenyl	81.7		0	51.7-118	%REC	198709	1	11/07/2014 18:10	YH
Surr: 2-Fluorophenol	39.4		0	26-120	%REC	198709	1	11/07/2014 18:10	YH
Surr: 4-Terphenyl-d14	82.3		0	45.2-137	%REC	198709	1	11/07/2014 18:10	YH
Surr: Nitrobenzene-d5	86.3		0	42-120	%REC	198709	1	11/07/2014 18:10	YH
Surr: Phenol-d5	64.4		0	12.3-120	%REC	198709	1	11/07/2014 18:10	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	198947	1	11/08/2014 18:59	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:35:00 PM
Lab ID:	1411153-003	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	198947	1	11/08/2014 18:59	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	198947	1	11/08/2014 18:59	NP
2-Butanone	BRL		2.0	10	ug/L	198947	1	11/08/2014 18:59	NP
2-Hexanone	BRL		0.59	10	ug/L	198947	1	11/08/2014 18:59	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	198947	1	11/08/2014 18:59	NP
Acetone	BRL		5.6	20	ug/L	198947	1	11/08/2014 18:59	NP
Benzene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Bromoform	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Bromomethane	BRL		0.54	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	198947	1	11/08/2014 18:59	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	198947	1	11/08/2014 18:59	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Chloroethane	BRL		0.71	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Chloroform	BRL		0.45	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Chloromethane	BRL		0.60	1.0	ug/L	198947	1	11/08/2014 18:59	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 18:59	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Cyclohexane	BRL		1.7	2.0	ug/L	198947	1	11/08/2014 18:59	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Freon-113	BRL		0.59	5.0	ug/L	198947	1	11/08/2014 18:59	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	198947	1	11/08/2014 18:59	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Methyl acetate	BRL		1.5	2.0	ug/L	198947	1	11/08/2014 18:59	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	198947	1	11/08/2014 18:59	NP
Methylene chloride	BRL		0.91	5.0	ug/L	198947	1	11/08/2014 18:59	NP
o-Xylene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Styrene	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Toluene	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 18:59	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:35:00 PM
Lab ID:	1411153-003	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	198947	1	11/08/2014 18:59	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	198947	1	11/08/2014 18:59	NP
Trichloroethene	BRL		0.43	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	198947	1	11/08/2014 18:59	NP
Surr: 4-Bromofluorobenzene	83.2		0	70-130	%REC	198947	1	11/08/2014 18:59	NP
Surr: Dibromofluoromethane	108		0	70-130	%REC	198947	1	11/08/2014 18:59	NP
Surr: Toluene-d8	100		0	70-130	%REC	198947	1	11/08/2014 18:59	NP

Qualifiers:

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- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:30:00 PM
Lab ID:	1411153-004	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
1,1´-Biphenyl	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
2,4,5-Trichlorophenol	BRL		1.4	25	ug/L	198709	1	11/07/2014 18:37	YH
2,4,6-Trichlorophenol	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:37	YH
2,4-Dichlorophenol	BRL		1.8	10	ug/L	198709	1	11/07/2014 18:37	YH
2,4-Dimethylphenol	BRL		1.8	10	ug/L	198709	1	11/07/2014 18:37	YH
2,4-Dinitrophenol	BRL		0.72	25	ug/L	198709	1	11/07/2014 18:37	YH
2,4-Dinitrotoluene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:37	YH
2,6-Dinitrotoluene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:37	YH
2-Chloronaphthalene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:37	YH
2-Chlorophenol	BRL		2.1	10	ug/L	198709	1	11/07/2014 18:37	YH
2-Methylnaphthalene	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:37	YH
2-Methylphenol	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:37	YH
2-Nitroaniline	BRL		1.4	25	ug/L	198709	1	11/07/2014 18:37	YH
2-Nitrophenol	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:37	YH
3,3´-Dichlorobenzidine	BRL		2.7	10	ug/L	198709	1	11/07/2014 18:37	YH
3-Nitroaniline	BRL		3.3	25	ug/L	198709	1	11/07/2014 18:37	YH
4,6-Dinitro-2-methylphenol	BRL		1.0	25	ug/L	198709	1	11/07/2014 18:37	YH
4-Bromophenyl phenyl ether	BRL		1.7	10	ug/L	198709	1	11/07/2014 18:37	YH
4-Chloro-3-methylphenol	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
4-Chloroaniline	BRL		4.2	10	ug/L	198709	1	11/07/2014 18:37	YH
4-Chlorophenyl phenyl ether	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
4-Methylphenol	BRL		3.3	10	ug/L	198709	1	11/07/2014 18:37	YH
4-Nitroaniline	BRL		1.3	25	ug/L	198709	1	11/07/2014 18:37	YH
4-Nitrophenol	BRL		1.2	25	ug/L	198709	1	11/07/2014 18:37	YH
Acenaphthene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
Acenaphthylene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Acetophenone	BRL		3.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Anthracene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:37	YH
Atrazine	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:37	YH
Benz(a)anthracene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
Benzaldehyde	BRL		6.2	10	ug/L	198709	1	11/07/2014 18:37	YH
Benzo(a)pyrene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
Benzo(b)fluoranthene	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:37	YH
Benzo(g,h,i)perylene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:37	YH
Benzo(k)fluoranthene	BRL		2.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Bis(2-chloroethoxy)methane	BRL		1.7	10	ug/L	198709	1	11/07/2014 18:37	YH
Bis(2-chloroethyl)ether	BRL		2.2	10	ug/L	198709	1	11/07/2014 18:37	YH
Bis(2-chloroisopropyl)ether	BRL		1.9	10	ug/L	198709	1	11/07/2014 18:37	YH
Bis(2-ethylhexyl)phthalate	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:37	YH

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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:30:00 PM
Lab ID:	1411153-004	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3520)**				
Butyl benzyl phthalate	BRL		1.3	10	ug/L	198709	1	11/07/2014 18:37	YH
Caprolactam	BRL		0.35	10	ug/L	198709	1	11/07/2014 18:37	YH
Carbazole	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Chrysene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
Di-n-butyl phthalate	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Di-n-octyl phthalate	BRL		1.3	10	ug/L	198709	1	11/07/2014 18:37	YH
Dibenz(a,h)anthracene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Dibenzofuran	BRL		1.7	10	ug/L	198709	1	11/07/2014 18:37	YH
Diethyl phthalate	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:37	YH
Dimethyl phthalate	BRL		1.3	10	ug/L	198709	1	11/07/2014 18:37	YH
Fluoranthene	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:37	YH
Fluorene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Hexachlorobenzene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
Hexachlorobutadiene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
Hexachlorocyclopentadiene	BRL		1.3	10	ug/L	198709	1	11/07/2014 18:37	YH
Hexachloroethane	BRL		1.6	10	ug/L	198709	1	11/07/2014 18:37	YH
Indeno(1,2,3-cd)pyrene	BRL		2.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Isophorone	BRL		1.7	10	ug/L	198709	1	11/07/2014 18:37	YH
N-Nitrosodi-n-propylamine	BRL		1.8	10	ug/L	198709	1	11/07/2014 18:37	YH
N-Nitrosodiphenylamine	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Naphthalene	BRL		1.8	10	ug/L	198709	1	11/07/2014 18:37	YH
Nitrobenzene	BRL		2.3	10	ug/L	198709	1	11/07/2014 18:37	YH
Pentachlorophenol	BRL		1.1	25	ug/L	198709	1	11/07/2014 18:37	YH
Phenanthrene	BRL		1.5	10	ug/L	198709	1	11/07/2014 18:37	YH
Phenol	BRL		1.2	10	ug/L	198709	1	11/07/2014 18:37	YH
Pyrene	BRL		1.4	10	ug/L	198709	1	11/07/2014 18:37	YH
Surr: 2,4,6-Tribromophenol	79.7		0	51.5-124	%REC	198709	1	11/07/2014 18:37	YH
Surr: 2-Fluorobiphenyl	73.9		0	51.7-118	%REC	198709	1	11/07/2014 18:37	YH
Surr: 2-Fluorophenol	53.7		0	26-120	%REC	198709	1	11/07/2014 18:37	YH
Surr: 4-Terphenyl-d14	76		0	45.2-137	%REC	198709	1	11/07/2014 18:37	YH
Surr: Nitrobenzene-d5	76.8		0	42-120	%REC	198709	1	11/07/2014 18:37	YH
Surr: Phenol-d5	70.1		0	12.3-120	%REC	198709	1	11/07/2014 18:37	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	198947	1	11/08/2014 19:24	NP

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- J Estimated value detected below Reporting Limit
- > Greater than Result value
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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:30:00 PM
Lab ID:	1411153-004	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	198947	1	11/08/2014 19:24	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	198947	1	11/08/2014 19:24	NP
2-Butanone	BRL		2.0	10	ug/L	198947	1	11/08/2014 19:24	NP
2-Hexanone	BRL		0.59	10	ug/L	198947	1	11/08/2014 19:24	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	198947	1	11/08/2014 19:24	NP
Acetone	BRL		5.6	20	ug/L	198947	1	11/08/2014 19:24	NP
Benzene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Bromoform	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Bromomethane	BRL		0.54	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	198947	1	11/08/2014 19:24	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	198947	1	11/08/2014 19:24	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Chloroethane	BRL		0.71	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Chloroform	BRL		0.45	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Chloromethane	BRL		0.60	1.0	ug/L	198947	1	11/08/2014 19:24	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 19:24	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Cyclohexane	BRL		1.7	2.0	ug/L	198947	1	11/08/2014 19:24	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Freon-113	BRL		0.59	5.0	ug/L	198947	1	11/08/2014 19:24	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	198947	1	11/08/2014 19:24	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Methyl acetate	BRL		1.5	2.0	ug/L	198947	1	11/08/2014 19:24	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	198947	1	11/08/2014 19:24	NP
Methylene chloride	BRL		0.91	5.0	ug/L	198947	1	11/08/2014 19:24	NP
o-Xylene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Styrene	BRL		0.26	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Toluene	BRL		0.38	1.0	ug/L	198947	1	11/08/2014 19:24	NP

Qualifiers:

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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
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- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:30:00 PM
Lab ID:	1411153-004	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	198947	1	11/08/2014 19:24	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	198947	1	11/08/2014 19:24	NP
Trichloroethene	BRL		0.43	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	198947	1	11/08/2014 19:24	NP
Surr: 4-Bromofluorobenzene	82.4		0	70-130	%REC	198947	1	11/08/2014 19:24	NP
Surr: Dibromofluoromethane	109		0	70-130	%REC	198947	1	11/08/2014 19:24	NP
Surr: Toluene-d8	98.8		0	70-130	%REC	198947	1	11/08/2014 19:24	NP

Qualifiers:

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- BRL Not detected at MDL
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-08X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:10:00 AM
Lab ID:	1411153-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.033	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2,4,5-Trichlorophenol	BRL		0.050	2.2	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2,4,6-Trichlorophenol	BRL		0.026	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2,4-Dichlorophenol	BRL		0.025	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2,4-Dimethylphenol	BRL		0.040	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2,4-Dinitrophenol	BRL		0.43	2.2	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2,4-Dinitrotoluene	BRL		0.040	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2,6-Dinitrotoluene	BRL		0.048	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2-Chloronaphthalene	BRL		0.027	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2-Chlorophenol	BRL		0.039	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2-Methylnaphthalene	BRL		0.042	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2-Methylphenol	BRL		0.041	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2-Nitroaniline	BRL		0.042	2.2	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
2-Nitrophenol	BRL		0.053	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
3,3´-Dichlorobenzidine	BRL		0.055	0.86	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
3-Nitroaniline	BRL		0.043	2.2	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
4,6-Dinitro-2-methylphenol	BRL		0.030	2.2	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
4-Bromophenyl phenyl ether	BRL		0.040	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
4-Chloro-3-methylphenol	BRL		0.023	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
4-Chloroaniline	BRL		0.065	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
4-Chlorophenyl phenyl ether	BRL		0.047	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
4-Methylphenol	BRL		0.073	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
4-Nitroaniline	BRL		0.047	2.2	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
4-Nitrophenol	BRL		0.39	2.2	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Acenaphthene	BRL		0.049	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Acenaphthylene	BRL		0.026	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Acetophenone	BRL		0.019	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Anthracene	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Atrazine	BRL		0.044	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Benz(a)anthracene	BRL		0.030	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Benzaldehyde	BRL		0.069	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Benzo(a)pyrene	BRL		0.037	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Benzo(b)fluoranthene	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Benzo(g,h,i)perylene	BRL		0.039	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Benzo(k)fluoranthene	BRL		0.059	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Bis(2-chloroethoxy)methane	BRL		0.028	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Bis(2-chloroethyl)ether	BRL		0.069	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Bis(2-chloroisopropyl)ether	BRL		0.030	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Bis(2-ethylhexyl)phthalate	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-08X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:10:00 AM
Lab ID:	1411153-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.037	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Caprolactam	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Carbazole	BRL		0.047	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Chrysene	BRL		0.046	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Di-n-butyl phthalate	BRL		0.040	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Di-n-octyl phthalate	BRL		0.023	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Dibenz(a,h)anthracene	BRL		0.035	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Dibenzofuran	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Diethyl phthalate	0.061	J	0.042	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Dimethyl phthalate	BRL		0.025	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Fluoranthene	BRL		0.033	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Fluorene	BRL		0.031	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Hexachlorobenzene	BRL		0.083	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Hexachlorobutadiene	BRL		0.039	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Hexachlorocyclopentadiene	BRL		0.042	0.85	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Hexachloroethane	BRL		0.063	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Indeno(1,2,3-cd)pyrene	BRL		0.031	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Isophorone	BRL		0.024	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
N-Nitrosodi-n-propylamine	BRL		0.024	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
N-Nitrosodiphenylamine	BRL		0.032	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Naphthalene	BRL		0.024	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Nitrobenzene	BRL		0.038	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Pentachlorophenol	BRL		0.034	2.2	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Phenanthrene	BRL		0.041	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Phenol	BRL		0.031	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Pyrene	BRL		0.042	0.42	mg/Kg-dry	196951	1	11/06/2014 16:04	YH
Surr: 2,4,6-Tribromophenol	95.5		0	40.2-120	%REC	196951	1	11/06/2014 16:04	YH
Surr: 2-Fluorobiphenyl	90.1		0	45.6-120	%REC	196951	1	11/06/2014 16:04	YH
Surr: 2-Fluorophenol	86.4		0	35.2-120	%REC	196951	1	11/06/2014 16:04	YH
Surr: 4-Terphenyl-d14	89.8		0	51-121	%REC	196951	1	11/06/2014 16:04	YH
Surr: Nitrobenzene-d5	89.7		0	37.8-120	%REC	196951	1	11/06/2014 16:04	YH
Surr: Phenol-d5	89.6		0	39.9-120	%REC	196951	1	11/06/2014 16:04	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00044	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,1,2,2-Tetrachloroethane	BRL		0.0011	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,1,2-Trichloroethane	BRL		0.00055	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,1-Dichloroethane	BRL		0.00034	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,1-Dichloroethene	BRL		0.00053	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-08X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:10:00 AM
Lab ID:	1411153-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00073	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,2-Dibromo-3-chloropropane	BRL		0.00034	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,2-Dibromoethane	BRL		0.00039	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,2-Dichlorobenzene	BRL		0.0014	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,2-Dichloroethane	BRL		0.00059	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,2-Dichloropropane	BRL		0.00037	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,3-Dichlorobenzene	BRL		0.0016	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
1,4-Dichlorobenzene	BRL		0.00046	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
2-Butanone	BRL		0.0093	0.046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
2-Hexanone	BRL		0.0014	0.0091	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
4-Methyl-2-pentanone	BRL		0.00078	0.0091	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Acetone	BRL		0.012	0.091	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Benzene	BRL		0.0013	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Bromodichloromethane	BRL		0.00045	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Bromoform	BRL		0.00067	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Bromomethane	BRL		0.0015	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Carbon disulfide	BRL		0.0034	0.0091	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Carbon tetrachloride	BRL		0.00059	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Chlorobenzene	BRL		0.00039	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Chloroethane	BRL		0.00039	0.0091	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Chloroform	BRL		0.00039	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Chloromethane	BRL		0.00043	0.0091	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
cis-1,2-Dichloroethene	BRL		0.00049	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
cis-1,3-Dichloropropene	BRL		0.00038	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Cyclohexane	BRL		0.0013	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Dibromochloromethane	BRL		0.00044	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Dichlorodifluoromethane	BRL		0.00067	0.0091	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Ethylbenzene	BRL		0.00038	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Freon-113	BRL		0.00067	0.0091	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Isopropylbenzene	BRL		0.00048	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
m,p-Xylene	BRL		0.00074	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Methyl acetate	BRL		0.00088	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Methyl tert-butyl ether	BRL		0.00055	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Methylcyclohexane	BRL		0.00070	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Methylene chloride	0.0094	J	0.00056	0.018	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
o-Xylene	BRL		0.00030	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Styrene	BRL		0.00038	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Tetrachloroethene	BRL		0.00038	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Toluene	BRL		0.00096	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-08X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:10:00 AM
Lab ID:	1411153-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00059	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
trans-1,3-Dichloropropene	BRL		0.00035	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Trichloroethene	BRL		0.00066	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Trichlorofluoromethane	BRL		0.00091	0.0046	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Vinyl chloride	BRL		0.00077	0.0091	mg/Kg-dry	198787	1	11/06/2014 03:39	MD
Surr: 4-Bromofluorobenzene	91.5		0	70-128	%REC	198787	1	11/06/2014 03:39	MD
Surr: Dibromofluoromethane	95.3		0	78.2-128	%REC	198787	1	11/06/2014 03:39	MD
Surr: Toluene-d8	96.7		0	76.5-116	%REC	198787	1	11/06/2014 03:39	MD
PERCENT MOISTURE D2216									
Percent Moisture	22.0		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:05:00 PM
Lab ID:	1411153-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.031	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2,4,5-Trichlorophenol	BRL		0.048	2.1	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2,4,6-Trichlorophenol	BRL		0.025	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2,4-Dichlorophenol	BRL		0.024	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2,4-Dimethylphenol	BRL		0.039	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2,4-Dinitrophenol	BRL		0.41	2.1	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2,4-Dinitrotoluene	BRL		0.038	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2,6-Dinitrotoluene	BRL		0.046	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2-Chloronaphthalene	BRL		0.026	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2-Chlorophenol	BRL		0.038	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2-Methylnaphthalene	BRL		0.041	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2-Methylphenol	BRL		0.039	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2-Nitroaniline	BRL		0.041	2.1	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
2-Nitrophenol	BRL		0.051	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
3,3´-Dichlorobenzidine	BRL		0.053	0.83	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
3-Nitroaniline	BRL		0.042	2.1	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
4,6-Dinitro-2-methylphenol	BRL		0.029	2.1	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
4-Bromophenyl phenyl ether	BRL		0.039	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
4-Chloro-3-methylphenol	BRL		0.022	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
4-Chloroaniline	BRL		0.062	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
4-Chlorophenyl phenyl ether	BRL		0.045	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
4-Methylphenol	BRL		0.070	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
4-Nitroaniline	BRL		0.045	2.1	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
4-Nitrophenol	BRL		0.37	2.1	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Acenaphthene	BRL		0.047	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Acenaphthylene	BRL		0.025	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Acetophenone	BRL		0.019	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Anthracene	BRL		0.035	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Atrazine	BRL		0.042	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Benz(a)anthracene	BRL		0.029	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Benzaldehyde	BRL		0.067	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Benzo(a)pyrene	BRL		0.036	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Benzo(b)fluoranthene	BRL		0.035	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Benzo(g,h,i)perylene	BRL		0.037	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Benzo(k)fluoranthene	BRL		0.057	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Bis(2-chloroethoxy)methane	BRL		0.027	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Bis(2-chloroethyl)ether	BRL		0.067	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Bis(2-chloroisopropyl)ether	BRL		0.029	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Bis(2-ethylhexyl)phthalate	BRL		0.034	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:05:00 PM
Lab ID:	1411153-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.036	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Caprolactam	BRL		0.035	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Carbazole	BRL		0.046	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Chrysene	BRL		0.044	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Di-n-butyl phthalate	BRL		0.039	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Di-n-octyl phthalate	BRL		0.022	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Dibenz(a,h)anthracene	BRL		0.034	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Dibenzofuran	BRL		0.034	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Diethyl phthalate	0.049	J	0.041	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Dimethyl phthalate	BRL		0.024	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Fluoranthene	BRL		0.032	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Fluorene	BRL		0.030	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Hexachlorobenzene	BRL		0.080	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Hexachlorobutadiene	BRL		0.038	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Hexachlorocyclopentadiene	BRL		0.040	0.82	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Hexachloroethane	BRL		0.060	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Indeno(1,2,3-cd)pyrene	BRL		0.030	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Isophorone	BRL		0.023	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
N-Nitrosodi-n-propylamine	BRL		0.023	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
N-Nitrosodiphenylamine	BRL		0.031	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Naphthalene	BRL		0.024	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Nitrobenzene	BRL		0.037	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Pentachlorophenol	BRL		0.033	2.1	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Phenanthrene	BRL		0.039	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Phenol	BRL		0.030	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Pyrene	BRL		0.040	0.41	mg/Kg-dry	196951	1	11/06/2014 16:30	YH
Surr: 2,4,6-Tribromophenol	87.5		0	40.2-120	%REC	196951	1	11/06/2014 16:30	YH
Surr: 2-Fluorobiphenyl	85		0	45.6-120	%REC	196951	1	11/06/2014 16:30	YH
Surr: 2-Fluorophenol	80.8		0	35.2-120	%REC	196951	1	11/06/2014 16:30	YH
Surr: 4-Terphenyl-d14	85		0	51-121	%REC	196951	1	11/06/2014 16:30	YH
Surr: Nitrobenzene-d5	84.6		0	37.8-120	%REC	196951	1	11/06/2014 16:30	YH
Surr: Phenol-d5	85.5		0	39.9-120	%REC	196951	1	11/06/2014 16:30	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00046	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,1,2,2-Tetrachloroethane	BRL		0.0012	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,1,2-Trichloroethane	BRL		0.00058	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,1-Dichloroethane	BRL		0.00036	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,1-Dichloroethene	BRL		0.00055	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD

Qualifiers:

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- BRL Not detected at MDL
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:05:00 PM
Lab ID:	1411153-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00076	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,2-Dibromo-3-chloropropane	BRL		0.00035	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,2-Dibromoethane	BRL		0.00041	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,2-Dichlorobenzene	BRL		0.0015	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,2-Dichloroethane	BRL		0.00062	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,2-Dichloropropane	BRL		0.00039	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,3-Dichlorobenzene	BRL		0.0017	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
1,4-Dichlorobenzene	BRL		0.00048	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
2-Butanone	BRL		0.0098	0.048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
2-Hexanone	BRL		0.0015	0.0096	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
4-Methyl-2-pentanone	BRL		0.00082	0.0096	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Acetone	BRL		0.012	0.096	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Benzene	BRL		0.0013	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Bromodichloromethane	BRL		0.00048	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Bromoform	BRL		0.00070	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Bromomethane	BRL		0.0016	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Carbon disulfide	BRL		0.0035	0.0096	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Carbon tetrachloride	BRL		0.00062	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Chlorobenzene	BRL		0.00041	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Chloroethane	BRL		0.00041	0.0096	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Chloroform	BRL		0.00041	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Chloromethane	BRL		0.00045	0.0096	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
cis-1,2-Dichloroethene	BRL		0.00051	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
cis-1,3-Dichloropropene	BRL		0.00040	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Cyclohexane	BRL		0.0014	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Dibromochloromethane	BRL		0.00046	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Dichlorodifluoromethane	BRL		0.00070	0.0096	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Ethylbenzene	BRL		0.00040	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Freon-113	BRL		0.00070	0.0096	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Isopropylbenzene	BRL		0.00051	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
m,p-Xylene	BRL		0.00078	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Methyl acetate	BRL		0.00092	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Methyl tert-butyl ether	BRL		0.00058	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Methylcyclohexane	BRL		0.00073	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Methylene chloride	0.018	J	0.00058	0.019	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
o-Xylene	BRL		0.00031	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Styrene	BRL		0.00040	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Tetrachloroethene	BRL		0.00040	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Toluene	BRL		0.0010	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:05:00 PM
Lab ID:	1411153-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00061	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
trans-1,3-Dichloropropene	BRL		0.00037	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Trichloroethene	BRL		0.00069	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Trichlorofluoromethane	BRL		0.00095	0.0048	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Vinyl chloride	BRL		0.00081	0.0096	mg/Kg-dry	198787	1	11/06/2014 04:08	MD
Surr: 4-Bromofluorobenzene	93		0	70-128	%REC	198787	1	11/06/2014 04:08	MD
Surr: Dibromofluoromethane	94.3		0	78.2-128	%REC	198787	1	11/06/2014 04:08	MD
Surr: Toluene-d8	94.5		0	76.5-116	%REC	198787	1	11/06/2014 04:08	MD
PERCENT MOISTURE D2216									
Percent Moisture	19.2		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-02X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:35:00 AM
Lab ID:	1411153-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.038	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2,4,5-Trichlorophenol	BRL		0.058	2.5	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2,4,6-Trichlorophenol	BRL		0.031	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2,4-Dichlorophenol	BRL		0.029	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2,4-Dimethylphenol	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2,4-Dinitrophenol	BRL		0.50	2.5	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2,4-Dinitrotoluene	BRL		0.046	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2,6-Dinitrotoluene	BRL		0.055	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2-Chloronaphthalene	BRL		0.032	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2-Chlorophenol	BRL		0.045	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2-Methylnaphthalene	BRL		0.049	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2-Methylphenol	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2-Nitroaniline	BRL		0.049	2.5	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
2-Nitrophenol	BRL		0.061	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
3,3´-Dichlorobenzidine	BRL		0.063	1.0	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
3-Nitroaniline	BRL		0.050	2.5	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
4,6-Dinitro-2-methylphenol	BRL		0.035	2.5	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
4-Bromophenyl phenyl ether	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
4-Chloro-3-methylphenol	BRL		0.027	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
4-Chloroaniline	BRL		0.075	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
4-Chlorophenyl phenyl ether	BRL		0.055	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
4-Methylphenol	BRL		0.084	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
4-Nitroaniline	BRL		0.055	2.5	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
4-Nitrophenol	BRL		0.45	2.5	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Acenaphthene	BRL		0.057	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Acenaphthylene	BRL		0.030	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Acetophenone	BRL		0.023	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Anthracene	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Atrazine	BRL		0.051	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Benz(a)anthracene	BRL		0.035	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Benzaldehyde	BRL		0.081	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Benzo(a)pyrene	BRL		0.043	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Benzo(b)fluoranthene	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Benzo(g,h,i)perylene	BRL		0.045	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Benzo(k)fluoranthene	BRL		0.068	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Bis(2-chloroethoxy)methane	BRL		0.032	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Bis(2-chloroethyl)ether	BRL		0.080	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Bis(2-chloroisopropyl)ether	BRL		0.035	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Bis(2-ethylhexyl)phthalate	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
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- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-02X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:35:00 AM
Lab ID:	1411153-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.043	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Caprolactam	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Carbazole	BRL		0.055	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Chrysene	BRL		0.053	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Di-n-butyl phthalate	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Di-n-octyl phthalate	BRL		0.026	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Dibenz(a,h)anthracene	BRL		0.041	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Dibenzofuran	BRL		0.041	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Diethyl phthalate	BRL		0.049	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Dimethyl phthalate	BRL		0.029	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Fluoranthene	BRL		0.038	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Fluorene	BRL		0.036	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Hexachlorobenzene	BRL		0.096	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Hexachlorobutadiene	BRL		0.046	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Hexachlorocyclopentadiene	BRL		0.049	0.98	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Hexachloroethane	BRL		0.073	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Indeno(1,2,3-cd)pyrene	BRL		0.036	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Isophorone	BRL		0.028	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
N-Nitrosodi-n-propylamine	BRL		0.028	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
N-Nitrosodiphenylamine	BRL		0.037	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Naphthalene	BRL		0.028	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Nitrobenzene	BRL		0.045	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Pentachlorophenol	BRL		0.039	2.5	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Phenanthrene	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Phenol	BRL		0.036	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Pyrene	BRL		0.048	0.49	mg/Kg-dry	196951	1	11/06/2014 16:56	YH
Surr: 2,4,6-Tribromophenol	93.1		0	40.2-120	%REC	196951	1	11/06/2014 16:56	YH
Surr: 2-Fluorobiphenyl	89.2		0	45.6-120	%REC	196951	1	11/06/2014 16:56	YH
Surr: 2-Fluorophenol	85.2		0	35.2-120	%REC	196951	1	11/06/2014 16:56	YH
Surr: 4-Terphenyl-d14	88.1		0	51-121	%REC	196951	1	11/06/2014 16:56	YH
Surr: Nitrobenzene-d5	88.4		0	37.8-120	%REC	196951	1	11/06/2014 16:56	YH
Surr: Phenol-d5	91.2		0	39.9-120	%REC	196951	1	11/06/2014 16:56	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00037	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,1,2,2-Tetrachloroethane	BRL		0.00095	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,1,2-Trichloroethane	BRL		0.00046	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,1-Dichloroethane	BRL		0.00029	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,1-Dichloroethene	BRL		0.00044	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD

Qualifiers:

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- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-02X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:35:00 AM
Lab ID:	1411153-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00061	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,2-Dibromo-3-chloropropane	BRL		0.00028	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,2-Dibromoethane	BRL		0.00033	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,2-Dichlorobenzene	BRL		0.0012	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,2-Dichloroethane	BRL		0.00050	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,2-Dichloropropane	BRL		0.00031	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,3-Dichlorobenzene	BRL		0.0014	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
1,4-Dichlorobenzene	BRL		0.00038	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
2-Butanone	BRL		0.0078	0.038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
2-Hexanone	BRL		0.0012	0.0076	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
4-Methyl-2-pentanone	BRL		0.00065	0.0076	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Acetone	BRL		0.0098	0.076	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Benzene	BRL		0.0011	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Bromodichloromethane	BRL		0.00038	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Bromoform	BRL		0.00056	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Bromomethane	BRL		0.0013	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Carbon disulfide	BRL		0.0028	0.0076	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Carbon tetrachloride	BRL		0.00050	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Chlorobenzene	BRL		0.00032	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Chloroethane	BRL		0.00033	0.0076	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Chloroform	BRL		0.00033	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Chloromethane	BRL		0.00036	0.0076	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
cis-1,2-Dichloroethene	BRL		0.00041	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
cis-1,3-Dichloropropene	BRL		0.00032	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Cyclohexane	BRL		0.0011	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Dibromochloromethane	BRL		0.00037	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Dichlorodifluoromethane	BRL		0.00056	0.0076	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Ethylbenzene	BRL		0.00032	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Freon-113	BRL		0.00056	0.0076	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Isopropylbenzene	BRL		0.00040	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
m,p-Xylene	BRL		0.00062	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Methyl acetate	BRL		0.00074	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Methyl tert-butyl ether	BRL		0.00046	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Methylcyclohexane	BRL		0.00058	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Methylene chloride	0.011	J	0.00047	0.015	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
o-Xylene	BRL		0.00025	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Styrene	BRL		0.00032	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Tetrachloroethene	BRL		0.00032	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Toluene	BRL		0.00080	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD

Qualifiers:

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- E Estimated value above quantitation range
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- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-02X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:35:00 AM
Lab ID:	1411153-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00049	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
trans-1,3-Dichloropropene	BRL		0.00030	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Trichloroethene	BRL		0.00055	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Trichlorofluoromethane	BRL		0.00076	0.0038	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Vinyl chloride	BRL		0.00064	0.0076	mg/Kg-dry	198787	1	11/06/2014 04:37	MD
Surr: 4-Bromofluorobenzene	92.2		0	70-128	%REC	198787	1	11/06/2014 04:37	MD
Surr: Dibromofluoromethane	96.7		0	78.2-128	%REC	198787	1	11/06/2014 04:37	MD
Surr: Toluene-d8	96.7		0	76.5-116	%REC	198787	1	11/06/2014 04:37	MD
PERCENT MOISTURE D2216									
Percent Moisture	33.1		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-01X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:00:00 AM
Lab ID:	1411153-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.036	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2,4,5-Trichlorophenol	BRL		0.054	2.4	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2,4,6-Trichlorophenol	BRL		0.029	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2,4-Dichlorophenol	BRL		0.027	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2,4-Dimethylphenol	BRL		0.044	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2,4-Dinitrophenol	BRL		0.47	2.4	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2,4-Dinitrotoluene	BRL		0.043	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2,6-Dinitrotoluene	BRL		0.052	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2-Chloronaphthalene	BRL		0.030	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2-Chlorophenol	BRL		0.042	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2-Methylnaphthalene	BRL		0.046	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2-Methylphenol	BRL		0.044	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2-Nitroaniline	BRL		0.046	2.4	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
2-Nitrophenol	BRL		0.057	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
3,3´-Dichlorobenzidine	BRL		0.059	0.94	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
3-Nitroaniline	BRL		0.047	2.4	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
4,6-Dinitro-2-methylphenol	BRL		0.033	2.4	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
4-Bromophenyl phenyl ether	BRL		0.044	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
4-Chloro-3-methylphenol	BRL		0.025	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
4-Chloroaniline	BRL		0.070	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
4-Chlorophenyl phenyl ether	BRL		0.051	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
4-Methylphenol	BRL		0.079	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
4-Nitroaniline	BRL		0.051	2.4	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
4-Nitrophenol	BRL		0.42	2.4	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Acenaphthene	BRL		0.053	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Acenaphthylene	BRL		0.028	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Acetophenone	BRL		0.021	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Anthracene	BRL		0.040	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Atrazine	BRL		0.048	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Benz(a)anthracene	BRL		0.033	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Benzaldehyde	BRL		0.075	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Benzo(a)pyrene	BRL		0.041	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Benzo(b)fluoranthene	BRL		0.039	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Benzo(g,h,i)perylene	BRL		0.042	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Benzo(k)fluoranthene	BRL		0.064	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Bis(2-chloroethoxy)methane	BRL		0.030	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Bis(2-chloroethyl)ether	BRL		0.075	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Bis(2-chloroisopropyl)ether	BRL		0.033	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Bis(2-ethylhexyl)phthalate	BRL		0.039	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-01X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:00:00 AM
Lab ID:	1411153-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.040	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Caprolactam	BRL		0.040	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Carbazole	BRL		0.052	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Chrysene	BRL		0.050	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Di-n-butyl phthalate	BRL		0.044	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Di-n-octyl phthalate	BRL		0.025	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Dibenz(a,h)anthracene	BRL		0.039	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Dibenzofuran	BRL		0.039	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Diethyl phthalate	BRL		0.046	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Dimethyl phthalate	BRL		0.028	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Fluoranthene	BRL		0.036	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Fluorene	BRL		0.034	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Hexachlorobenzene	BRL		0.090	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Hexachlorobutadiene	BRL		0.043	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Hexachlorocyclopentadiene	BRL		0.045	0.92	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Hexachloroethane	BRL		0.068	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Indeno(1,2,3-cd)pyrene	BRL		0.034	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Isophorone	BRL		0.027	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
N-Nitrosodi-n-propylamine	BRL		0.026	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
N-Nitrosodiphenylamine	BRL		0.035	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Naphthalene	BRL		0.027	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Nitrobenzene	BRL		0.042	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Pentachlorophenol	BRL		0.037	2.4	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Phenanthrene	BRL		0.044	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Phenol	BRL		0.034	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Pyrene	BRL		0.045	0.46	mg/Kg-dry	196951	1	11/06/2014 17:23	YH
Surr: 2,4,6-Tribromophenol	89.6		0	40.2-120	%REC	196951	1	11/06/2014 17:23	YH
Surr: 2-Fluorobiphenyl	87		0	45.6-120	%REC	196951	1	11/06/2014 17:23	YH
Surr: 2-Fluorophenol	83.8		0	35.2-120	%REC	196951	1	11/06/2014 17:23	YH
Surr: 4-Terphenyl-d14	85.1		0	51-121	%REC	196951	1	11/06/2014 17:23	YH
Surr: Nitrobenzene-d5	82.9		0	37.8-120	%REC	196951	1	11/06/2014 17:23	YH
Surr: Phenol-d5	87.1		0	39.9-120	%REC	196951	1	11/06/2014 17:23	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00046	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,1,2,2-Tetrachloroethane	BRL		0.0012	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,1,2-Trichloroethane	BRL		0.00058	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,1-Dichloroethane	BRL		0.00036	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,1-Dichloroethene	BRL		0.00055	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD

Qualifiers:

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-01X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:00:00 AM
Lab ID:	1411153-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00076	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,2-Dibromo-3-chloropropane	BRL		0.00035	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,2-Dibromoethane	BRL		0.00041	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,2-Dichlorobenzene	BRL		0.0015	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,2-Dichloroethane	BRL		0.00062	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,2-Dichloropropane	BRL		0.00039	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,3-Dichlorobenzene	BRL		0.0017	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
1,4-Dichlorobenzene	BRL		0.00048	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
2-Butanone	BRL		0.0098	0.048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
2-Hexanone	BRL		0.0015	0.0096	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
4-Methyl-2-pentanone	BRL		0.00082	0.0096	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Acetone	BRL		0.012	0.096	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Benzene	BRL		0.0013	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Bromodichloromethane	BRL		0.00048	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Bromoform	BRL		0.00070	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Bromomethane	BRL		0.0016	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Carbon disulfide	BRL		0.0035	0.0096	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Carbon tetrachloride	BRL		0.00062	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Chlorobenzene	BRL		0.00041	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Chloroethane	BRL		0.00041	0.0096	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Chloroform	BRL		0.00041	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Chloromethane	BRL		0.00045	0.0096	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
cis-1,2-Dichloroethene	BRL		0.00051	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
cis-1,3-Dichloropropene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Cyclohexane	BRL		0.0014	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Dibromochloromethane	BRL		0.00046	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Dichlorodifluoromethane	BRL		0.00070	0.0096	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Ethylbenzene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Freon-113	BRL		0.00070	0.0096	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Isopropylbenzene	BRL		0.00051	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
m,p-Xylene	BRL		0.00078	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Methyl acetate	BRL		0.00092	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Methyl tert-butyl ether	BRL		0.00058	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Methylcyclohexane	BRL		0.00073	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Methylene chloride	0.014	J	0.00058	0.019	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
o-Xylene	BRL		0.00031	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Styrene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Tetrachloroethene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Toluene	BRL		0.0010	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-01X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:00:00 AM
Lab ID:	1411153-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00061	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
trans-1,3-Dichloropropene	BRL		0.00037	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Trichloroethene	BRL		0.00069	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Trichlorofluoromethane	BRL		0.00095	0.0048	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Vinyl chloride	BRL		0.00080	0.0096	mg/Kg-dry	198845	1	11/07/2014 00:16	MD
Surr: 4-Bromofluorobenzene	91.4		0	70-128	%REC	198845	1	11/07/2014 00:16	MD
Surr: Dibromofluoromethane	96.9		0	78.2-128	%REC	198845	1	11/07/2014 00:16	MD
Surr: Toluene-d8	95.7		0	76.5-116	%REC	198845	1	11/07/2014 00:16	MD
PERCENT MOISTURE D2216									
Percent Moisture	28.4		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-06X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:30:00 AM
Lab ID:	1411153-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.037	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2,4,5-Trichlorophenol	BRL		0.056	2.5	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2,4,6-Trichlorophenol	BRL		0.030	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2,4-Dichlorophenol	BRL		0.028	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2,4-Dimethylphenol	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2,4-Dinitrophenol	BRL		0.48	2.5	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2,4-Dinitrotoluene	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2,6-Dinitrotoluene	BRL		0.054	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2-Chloronaphthalene	BRL		0.031	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2-Chlorophenol	BRL		0.044	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2-Methylnaphthalene	BRL		0.048	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2-Methylphenol	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2-Nitroaniline	BRL		0.048	2.5	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
2-Nitrophenol	BRL		0.060	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
3,3´-Dichlorobenzidine	BRL		0.062	0.97	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
3-Nitroaniline	BRL		0.049	2.5	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
4,6-Dinitro-2-methylphenol	BRL		0.034	2.5	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
4-Bromophenyl phenyl ether	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
4-Chloro-3-methylphenol	BRL		0.026	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
4-Chloroaniline	BRL		0.073	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
4-Chlorophenyl phenyl ether	BRL		0.053	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
4-Methylphenol	BRL		0.082	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
4-Nitroaniline	BRL		0.053	2.5	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
4-Nitrophenol	BRL		0.44	2.5	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Acenaphthene	BRL		0.055	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Acenaphthylene	BRL		0.029	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Acetophenone	BRL		0.022	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Anthracene	BRL		0.041	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Atrazine	BRL		0.050	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Benz(a)anthracene	BRL		0.034	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Benzaldehyde	BRL		0.078	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Benzo(a)pyrene	BRL		0.042	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Benzo(b)fluoranthene	BRL		0.040	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Benzo(g,h,i)perylene	BRL		0.044	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Benzo(k)fluoranthene	BRL		0.066	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Bis(2-chloroethoxy)methane	BRL		0.031	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Bis(2-chloroethyl)ether	BRL		0.078	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Bis(2-chloroisopropyl)ether	BRL		0.034	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Bis(2-ethylhexyl)phthalate	BRL		0.040	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH

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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-06X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:30:00 AM
Lab ID:	1411153-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.042	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Caprolactam	BRL		0.041	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Carbazole	BRL		0.054	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Chrysene	BRL		0.051	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Di-n-butyl phthalate	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Di-n-octyl phthalate	BRL		0.026	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Dibenz(a,h)anthracene	BRL		0.040	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Dibenzofuran	BRL		0.040	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Diethyl phthalate	BRL		0.048	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Dimethyl phthalate	BRL		0.029	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Fluoranthene	BRL		0.037	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Fluorene	BRL		0.035	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Hexachlorobenzene	BRL		0.094	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Hexachlorobutadiene	BRL		0.044	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Hexachlorocyclopentadiene	BRL		0.047	0.96	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Hexachloroethane	BRL		0.071	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Indeno(1,2,3-cd)pyrene	BRL		0.035	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Isophorone	BRL		0.027	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
N-Nitrosodi-n-propylamine	BRL		0.027	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
N-Nitrosodiphenylamine	BRL		0.036	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Naphthalene	BRL		0.028	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Nitrobenzene	BRL		0.043	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Pentachlorophenol	BRL		0.038	2.5	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Phenanthrene	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Phenol	BRL		0.035	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Pyrene	BRL		0.047	0.48	mg/Kg-dry	196951	1	11/06/2014 17:50	YH
Surr: 2,4,6-Tribromophenol	102		0	40.2-120	%REC	196951	1	11/06/2014 17:50	YH
Surr: 2-Fluorobiphenyl	97.5		0	45.6-120	%REC	196951	1	11/06/2014 17:50	YH
Surr: 2-Fluorophenol	95		0	35.2-120	%REC	196951	1	11/06/2014 17:50	YH
Surr: 4-Terphenyl-d14	96.9		0	51-121	%REC	196951	1	11/06/2014 17:50	YH
Surr: Nitrobenzene-d5	101		0	37.8-120	%REC	196951	1	11/06/2014 17:50	YH
Surr: Phenol-d5	100		0	39.9-120	%REC	196951	1	11/06/2014 17:50	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00044	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,1,2,2-Tetrachloroethane	BRL		0.0012	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,1,2-Trichloroethane	BRL		0.00056	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,1-Dichloroethane	BRL		0.00035	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,1-Dichloroethene	BRL		0.00053	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-06X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:30:00 AM
Lab ID:	1411153-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00073	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,2-Dibromo-3-chloropropane	BRL		0.00034	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,2-Dibromoethane	BRL		0.00040	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,2-Dichlorobenzene	BRL		0.0014	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,2-Dichloroethane	BRL		0.00060	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,2-Dichloropropane	BRL		0.00037	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,3-Dichlorobenzene	BRL		0.0016	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
1,4-Dichlorobenzene	BRL		0.00046	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
2-Butanone	BRL		0.0094	0.046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
2-Hexanone	BRL		0.0014	0.0092	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
4-Methyl-2-pentanone	BRL		0.00079	0.0092	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Acetone	BRL		0.012	0.092	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Benzene	BRL		0.0013	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Bromodichloromethane	BRL		0.00046	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Bromoform	BRL		0.00068	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Bromomethane	BRL		0.0015	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Carbon disulfide	BRL		0.0034	0.0092	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Carbon tetrachloride	BRL		0.00060	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Chlorobenzene	BRL		0.00039	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Chloroethane	BRL		0.00040	0.0092	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Chloroform	BRL		0.00040	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Chloromethane	BRL		0.00044	0.0092	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
cis-1,2-Dichloroethene	BRL		0.00049	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
cis-1,3-Dichloropropene	BRL		0.00039	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Cyclohexane	BRL		0.0013	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Dibromochloromethane	BRL		0.00044	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Dichlorodifluoromethane	BRL		0.00068	0.0092	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Ethylbenzene	BRL		0.00039	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Freon-113	BRL		0.00067	0.0092	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Isopropylbenzene	BRL		0.00049	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
m,p-Xylene	BRL		0.00075	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Methyl acetate	BRL		0.00089	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Methyl tert-butyl ether	BRL		0.00056	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Methylcyclohexane	BRL		0.00071	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Methylene chloride	0.013	J	0.00056	0.018	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
o-Xylene	BRL		0.00030	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Styrene	BRL		0.00038	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Tetrachloroethene	BRL		0.00039	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Toluene	BRL		0.00097	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-06X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:30:00 AM
Lab ID:	1411153-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00059	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
trans-1,3-Dichloropropene	BRL		0.00036	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Trichloroethene	BRL		0.00067	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Trichlorofluoromethane	BRL		0.00092	0.0046	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Vinyl chloride	BRL		0.00078	0.0092	mg/Kg-dry	198845	1	11/06/2014 23:47	MD
Surr: 4-Bromofluorobenzene	92.7		0	70-128	%REC	198845	1	11/06/2014 23:47	MD
Surr: Dibromofluoromethane	98		0	78.2-128	%REC	198845	1	11/06/2014 23:47	MD
Surr: Toluene-d8	97.1		0	76.5-116	%REC	198845	1	11/06/2014 23:47	MD
PERCENT MOISTURE D2216									
Percent Moisture	30.9		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-06X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:20:00 AM
Lab ID:	1411153-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.037	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2,4,5-Trichlorophenol	BRL		0.056	2.5	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2,4,6-Trichlorophenol	BRL		0.030	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2,4-Dichlorophenol	BRL		0.028	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2,4-Dimethylphenol	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2,4-Dinitrophenol	BRL		0.48	2.5	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2,4-Dinitrotoluene	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2,6-Dinitrotoluene	BRL		0.054	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2-Chloronaphthalene	BRL		0.031	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2-Chlorophenol	BRL		0.044	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2-Methylnaphthalene	BRL		0.048	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2-Methylphenol	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2-Nitroaniline	BRL		0.048	2.5	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
2-Nitrophenol	BRL		0.060	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
3,3´-Dichlorobenzidine	BRL		0.062	0.97	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
3-Nitroaniline	BRL		0.049	2.5	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
4,6-Dinitro-2-methylphenol	BRL		0.034	2.5	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
4-Bromophenyl phenyl ether	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
4-Chloro-3-methylphenol	BRL		0.026	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
4-Chloroaniline	BRL		0.073	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
4-Chlorophenyl phenyl ether	BRL		0.053	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
4-Methylphenol	BRL		0.082	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
4-Nitroaniline	BRL		0.053	2.5	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
4-Nitrophenol	BRL		0.44	2.5	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Acenaphthene	BRL		0.056	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Acenaphthylene	BRL		0.029	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Acetophenone	BRL		0.022	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Anthracene	BRL		0.041	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Atrazine	BRL		0.050	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Benz(a)anthracene	BRL		0.034	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Benzaldehyde	BRL		0.078	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Benzo(a)pyrene	BRL		0.042	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Benzo(b)fluoranthene	BRL		0.041	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Benzo(g,h,i)perylene	BRL		0.044	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Benzo(k)fluoranthene	BRL		0.066	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Bis(2-chloroethoxy)methane	BRL		0.031	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Bis(2-chloroethyl)ether	BRL		0.078	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Bis(2-chloroisopropyl)ether	BRL		0.034	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Bis(2-ethylhexyl)phthalate	BRL		0.040	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-06X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:20:00 AM
Lab ID:	1411153-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.042	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Caprolactam	BRL		0.041	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Carbazole	BRL		0.054	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Chrysene	BRL		0.052	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Di-n-butyl phthalate	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Di-n-octyl phthalate	BRL		0.026	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Dibenz(a,h)anthracene	BRL		0.040	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Dibenzofuran	BRL		0.040	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Diethyl phthalate	BRL		0.048	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Dimethyl phthalate	BRL		0.029	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Fluoranthene	BRL		0.037	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Fluorene	BRL		0.035	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Hexachlorobenzene	BRL		0.094	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Hexachlorobutadiene	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Hexachlorocyclopentadiene	BRL		0.047	0.96	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Hexachloroethane	BRL		0.071	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Indeno(1,2,3-cd)pyrene	BRL		0.035	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Isophorone	BRL		0.028	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
N-Nitrosodi-n-propylamine	BRL		0.027	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
N-Nitrosodiphenylamine	BRL		0.036	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Naphthalene	BRL		0.028	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Nitrobenzene	BRL		0.043	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Pentachlorophenol	BRL		0.038	2.5	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Phenanthrene	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Phenol	BRL		0.036	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Pyrene	BRL		0.047	0.48	mg/Kg-dry	196951	1	11/06/2014 18:16	YH
Surr: 2,4,6-Tribromophenol	95.8		0	40.2-120	%REC	196951	1	11/06/2014 18:16	YH
Surr: 2-Fluorobiphenyl	96.3		0	45.6-120	%REC	196951	1	11/06/2014 18:16	YH
Surr: 2-Fluorophenol	84.2		0	35.2-120	%REC	196951	1	11/06/2014 18:16	YH
Surr: 4-Terphenyl-d14	91.4		0	51-121	%REC	196951	1	11/06/2014 18:16	YH
Surr: Nitrobenzene-d5	92.6		0	37.8-120	%REC	196951	1	11/06/2014 18:16	YH
Surr: Phenol-d5	92.3		0	39.9-120	%REC	196951	1	11/06/2014 18:16	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00046	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,1,2,2-Tetrachloroethane	BRL		0.0012	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,1,2-Trichloroethane	BRL		0.00058	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,1-Dichloroethane	BRL		0.00036	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,1-Dichloroethene	BRL		0.00056	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-06X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:20:00 AM
Lab ID:	1411153-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00076	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,2-Dibromo-3-chloropropane	BRL		0.00035	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,2-Dibromoethane	BRL		0.00041	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,2-Dichlorobenzene	BRL		0.0015	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,2-Dichloroethane	BRL		0.00063	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,2-Dichloropropane	BRL		0.00039	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,3-Dichlorobenzene	BRL		0.0017	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
1,4-Dichlorobenzene	BRL		0.00048	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
2-Butanone	BRL		0.0098	0.048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
2-Hexanone	BRL		0.0015	0.0096	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
4-Methyl-2-pentanone	BRL		0.00082	0.0096	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Acetone	BRL		0.012	0.096	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Benzene	BRL		0.0014	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Bromodichloromethane	BRL		0.00048	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Bromoform	BRL		0.00071	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Bromomethane	BRL		0.0016	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Carbon disulfide	BRL		0.0036	0.0096	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Carbon tetrachloride	BRL		0.00062	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Chlorobenzene	BRL		0.00041	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Chloroethane	BRL		0.00041	0.0096	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Chloroform	BRL		0.00041	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Chloromethane	BRL		0.00045	0.0096	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
cis-1,2-Dichloroethene	BRL		0.00051	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
cis-1,3-Dichloropropene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Cyclohexane	BRL		0.0014	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Dibromochloromethane	BRL		0.00046	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Dichlorodifluoromethane	BRL		0.00071	0.0096	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Ethylbenzene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Freon-113	BRL		0.00070	0.0096	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Isopropylbenzene	BRL		0.00051	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
m,p-Xylene	BRL		0.00078	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Methyl acetate	BRL		0.00093	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Methyl tert-butyl ether	BRL		0.00058	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Methylcyclohexane	BRL		0.00074	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Methylene chloride	0.011	J	0.00059	0.019	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
o-Xylene	BRL		0.00031	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Styrene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Tetrachloroethene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Toluene	BRL		0.0010	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-06X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:20:00 AM
Lab ID:	1411153-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00062	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
trans-1,3-Dichloropropene	BRL		0.00037	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Trichloroethene	BRL		0.00070	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Trichlorofluoromethane	BRL		0.00096	0.0048	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Vinyl chloride	BRL		0.00081	0.0096	mg/Kg-dry	198845	1	11/06/2014 23:17	MD
Surr: 4-Bromofluorobenzene	91.7		0	70-128	%REC	198845	1	11/06/2014 23:17	MD
Surr: Dibromofluoromethane	96.2		0	78.2-128	%REC	198845	1	11/06/2014 23:17	MD
Surr: Toluene-d8	94.4		0	76.5-116	%REC	198845	1	11/06/2014 23:17	MD
PERCENT MOISTURE D2216									
Percent Moisture	31.1		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-07X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:50:00 AM
Lab ID:	1411153-011	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.041	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2,4,5-Trichlorophenol	BRL		0.062	2.7	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2,4,6-Trichlorophenol	BRL		0.033	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2,4-Dichlorophenol	BRL		0.031	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2,4-Dimethylphenol	BRL		0.050	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2,4-Dinitrophenol	BRL		0.54	2.7	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2,4-Dinitrotoluene	BRL		0.050	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2,6-Dinitrotoluene	BRL		0.060	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2-Chloronaphthalene	BRL		0.034	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2-Chlorophenol	BRL		0.049	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2-Methylnaphthalene	BRL		0.053	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2-Methylphenol	BRL		0.051	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2-Nitroaniline	BRL		0.053	2.7	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
2-Nitrophenol	BRL		0.066	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
3,3´-Dichlorobenzidine	BRL		0.068	1.1	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
3-Nitroaniline	BRL		0.054	2.7	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
4,6-Dinitro-2-methylphenol	BRL		0.038	2.7	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
4-Bromophenyl phenyl ether	BRL		0.050	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
4-Chloro-3-methylphenol	BRL		0.029	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
4-Chloroaniline	BRL		0.081	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
4-Chlorophenyl phenyl ether	BRL		0.059	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
4-Methylphenol	BRL		0.091	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
4-Nitroaniline	BRL		0.059	2.7	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
4-Nitrophenol	BRL		0.49	2.7	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Acenaphthene	BRL		0.062	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Acenaphthylene	BRL		0.032	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Acetophenone	BRL		0.024	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Anthracene	BRL		0.046	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Atrazine	BRL		0.055	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Benz(a)anthracene	BRL		0.038	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Benzaldehyde	BRL		0.087	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Benzo(a)pyrene	BRL		0.047	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Benzo(b)fluoranthene	BRL		0.045	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Benzo(g,h,i)perylene	BRL		0.049	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Benzo(k)fluoranthene	BRL		0.074	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Bis(2-chloroethoxy)methane	BRL		0.035	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Bis(2-chloroethyl)ether	BRL		0.086	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Bis(2-chloroisopropyl)ether	BRL		0.038	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Bis(2-ethylhexyl)phthalate	BRL		0.045	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH

Qualifiers:

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- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
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- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-07X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:50:00 AM
Lab ID:	1411153-011	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.046	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Caprolactam	BRL		0.046	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Carbazole	BRL		0.060	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Chrysene	BRL		0.057	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Di-n-butyl phthalate	BRL		0.051	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Di-n-octyl phthalate	BRL		0.028	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Dibenz(a,h)anthracene	BRL		0.044	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Dibenzofuran	BRL		0.045	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Diethyl phthalate	BRL		0.053	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Dimethyl phthalate	BRL		0.032	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Fluoranthene	BRL		0.041	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Fluorene	BRL		0.039	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Hexachlorobenzene	BRL		0.10	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Hexachlorobutadiene	BRL		0.049	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Hexachlorocyclopentadiene	BRL		0.052	1.1	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Hexachloroethane	BRL		0.078	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Indeno(1,2,3-cd)pyrene	BRL		0.039	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Isophorone	BRL		0.031	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
N-Nitrosodi-n-propylamine	BRL		0.030	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
N-Nitrosodiphenylamine	BRL		0.040	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Naphthalene	BRL		0.031	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Nitrobenzene	BRL		0.048	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Pentachlorophenol	BRL		0.042	2.7	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Phenanthrene	BRL		0.051	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Phenol	BRL		0.039	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Pyrene	BRL		0.052	0.53	mg/Kg-dry	196951	1	11/06/2014 18:42	YH
Surr: 2,4,6-Tribromophenol	92.1		0	40.2-120	%REC	196951	1	11/06/2014 18:42	YH
Surr: 2-Fluorobiphenyl	88		0	45.6-120	%REC	196951	1	11/06/2014 18:42	YH
Surr: 2-Fluorophenol	83.6		0	35.2-120	%REC	196951	1	11/06/2014 18:42	YH
Surr: 4-Terphenyl-d14	86.8		0	51-121	%REC	196951	1	11/06/2014 18:42	YH
Surr: Nitrobenzene-d5	86		0	37.8-120	%REC	196951	1	11/06/2014 18:42	YH
Surr: Phenol-d5	89.1		0	39.9-120	%REC	196951	1	11/06/2014 18:42	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00051	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,1,2,2-Tetrachloroethane	BRL		0.0013	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,1,2-Trichloroethane	BRL		0.00064	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,1-Dichloroethane	BRL		0.00040	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,1-Dichloroethene	BRL		0.00061	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD

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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-07X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:50:00 AM
Lab ID:	1411153-011	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00085	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,2-Dibromo-3-chloropropane	BRL		0.00039	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,2-Dibromoethane	BRL		0.00046	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,2-Dichlorobenzene	BRL		0.0016	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,2-Dichloroethane	BRL		0.00069	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,2-Dichloropropane	BRL		0.00043	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,3-Dichlorobenzene	BRL		0.0019	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
1,4-Dichlorobenzene	BRL		0.00053	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
2-Butanone	BRL		0.011	0.053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
2-Hexanone	BRL		0.0016	0.011	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
4-Methyl-2-pentanone	BRL		0.00091	0.011	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Acetone	BRL		0.014	0.11	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Benzene	BRL		0.0015	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Bromodichloromethane	BRL		0.00053	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Bromoform	BRL		0.00078	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Bromomethane	BRL		0.0018	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Carbon disulfide	BRL		0.0039	0.011	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Carbon tetrachloride	BRL		0.00069	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Chlorobenzene	BRL		0.00045	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Chloroethane	BRL		0.00046	0.011	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Chloroform	BRL		0.00046	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Chloromethane	BRL		0.00050	0.011	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
cis-1,2-Dichloroethene	BRL		0.00057	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
cis-1,3-Dichloropropene	BRL		0.00044	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Cyclohexane	BRL		0.0015	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Dibromochloromethane	BRL		0.00051	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Dichlorodifluoromethane	BRL		0.00078	0.011	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Ethylbenzene	BRL		0.00044	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Freon-113	BRL		0.00077	0.011	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Isopropylbenzene	BRL		0.00056	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
m,p-Xylene	BRL		0.00086	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Methyl acetate	BRL		0.0010	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Methyl tert-butyl ether	BRL		0.00064	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Methylcyclohexane	BRL		0.00081	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Methylene chloride	0.012	J	0.00065	0.021	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
o-Xylene	BRL		0.00035	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Styrene	BRL		0.00044	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Tetrachloroethene	BRL		0.00045	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Toluene	BRL		0.0011	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD

Qualifiers:

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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-07X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:50:00 AM
Lab ID:	1411153-011	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
trans-1,2-Dichloroethene	BRL		0.00068	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
trans-1,3-Dichloropropene	BRL		0.00041	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Trichloroethene	BRL		0.00077	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Trichlorofluoromethane	BRL		0.0011	0.0053	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Vinyl chloride	BRL		0.00089	0.011	mg/Kg-dry	198845	1	11/07/2014 00:46	MD
Surr: 4-Bromofluorobenzene	91.5		0	70-128	%REC	198845	1	11/07/2014 00:46	MD
Surr: Dibromofluoromethane	95.2		0	78.2-128	%REC	198845	1	11/07/2014 00:46	MD
Surr: Toluene-d8	96.6		0	76.5-116	%REC	198845	1	11/07/2014 00:46	MD
PERCENT MOISTURE D2216									
Percent Moisture	37.9		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-04X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:55:00 AM
Lab ID:	1411153-012	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.038	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2,4,5-Trichlorophenol	BRL		0.058	2.5	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2,4,6-Trichlorophenol	BRL		0.031	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2,4-Dichlorophenol	BRL		0.029	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2,4-Dimethylphenol	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2,4-Dinitrophenol	BRL		0.50	2.5	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2,4-Dinitrotoluene	BRL		0.046	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2,6-Dinitrotoluene	BRL		0.055	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2-Chloronaphthalene	BRL		0.032	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2-Chlorophenol	BRL		0.045	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2-Methylnaphthalene	BRL		0.049	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2-Methylphenol	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2-Nitroaniline	BRL		0.049	2.5	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
2-Nitrophenol	BRL		0.061	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
3,3´-Dichlorobenzidine	BRL		0.063	1.0	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
3-Nitroaniline	BRL		0.050	2.5	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
4,6-Dinitro-2-methylphenol	BRL		0.035	2.5	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
4-Bromophenyl phenyl ether	BRL		0.046	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
4-Chloro-3-methylphenol	BRL		0.027	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
4-Chloroaniline	BRL		0.075	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
4-Chlorophenyl phenyl ether	BRL		0.055	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
4-Methylphenol	BRL		0.084	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
4-Nitroaniline	BRL		0.055	2.5	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
4-Nitrophenol	BRL		0.45	2.5	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Acenaphthene	BRL		0.057	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Acenaphthylene	BRL		0.030	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Acetophenone	BRL		0.023	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Anthracene	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Atrazine	BRL		0.051	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Benz(a)anthracene	BRL		0.035	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Benzaldehyde	BRL		0.080	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Benzo(a)pyrene	BRL		0.043	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Benzo(b)fluoranthene	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Benzo(g,h,i)perylene	BRL		0.045	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Benzo(k)fluoranthene	BRL		0.068	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Bis(2-chloroethoxy)methane	BRL		0.032	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Bis(2-chloroethyl)ether	BRL		0.080	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Bis(2-chloroisopropyl)ether	BRL		0.035	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Bis(2-ethylhexyl)phthalate	BRL		0.041	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-04X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:55:00 AM
Lab ID:	1411153-012	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.043	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Caprolactam	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Carbazole	BRL		0.055	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Chrysene	BRL		0.053	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Di-n-butyl phthalate	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Di-n-octyl phthalate	BRL		0.026	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Dibenz(a,h)anthracene	BRL		0.041	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Dibenzofuran	BRL		0.041	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Diethyl phthalate	BRL		0.049	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Dimethyl phthalate	BRL		0.029	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Fluoranthene	BRL		0.038	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Fluorene	BRL		0.036	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Hexachlorobenzene	BRL		0.096	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Hexachlorobutadiene	BRL		0.046	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Hexachlorocyclopentadiene	BRL		0.048	0.98	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Hexachloroethane	BRL		0.073	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Indeno(1,2,3-cd)pyrene	BRL		0.036	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Isophorone	BRL		0.028	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
N-Nitrosodi-n-propylamine	BRL		0.028	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
N-Nitrosodiphenylamine	BRL		0.037	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Naphthalene	BRL		0.028	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Nitrobenzene	BRL		0.044	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Pentachlorophenol	BRL		0.039	2.5	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Phenanthrene	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Phenol	BRL		0.036	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Pyrene	BRL		0.048	0.49	mg/Kg-dry	196951	1	11/06/2014 19:09	YH
Surr: 2,4,6-Tribromophenol	92.6		0	40.2-120	%REC	196951	1	11/06/2014 19:09	YH
Surr: 2-Fluorobiphenyl	88.5		0	45.6-120	%REC	196951	1	11/06/2014 19:09	YH
Surr: 2-Fluorophenol	86		0	35.2-120	%REC	196951	1	11/06/2014 19:09	YH
Surr: 4-Terphenyl-d14	87		0	51-121	%REC	196951	1	11/06/2014 19:09	YH
Surr: Nitrobenzene-d5	89		0	37.8-120	%REC	196951	1	11/06/2014 19:09	YH
Surr: Phenol-d5	91.7		0	39.9-120	%REC	196951	1	11/06/2014 19:09	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00062	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,1,2,2-Tetrachloroethane	BRL		0.0016	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,1,2-Trichloroethane	BRL		0.00079	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,1-Dichloroethane	BRL		0.00049	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,1-Dichloroethene	BRL		0.00075	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD

Qualifiers:

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- BRL Not detected at MDL
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- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-04X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:55:00 AM
Lab ID:	1411153-012	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.0010	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,2-Dibromo-3-chloropropane	BRL		0.00048	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,2-Dibromoethane	BRL		0.00056	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,2-Dichlorobenzene	BRL		0.0020	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,2-Dichloroethane	BRL		0.00085	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,2-Dichloropropane	BRL		0.00053	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,3-Dichlorobenzene	BRL		0.0023	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
1,4-Dichlorobenzene	BRL		0.00065	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
2-Butanone	BRL		0.013	0.065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
2-Hexanone	BRL		0.0020	0.013	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
4-Methyl-2-pentanone	BRL		0.0011	0.013	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Acetone	BRL		0.017	0.13	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Benzene	BRL		0.0018	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Bromodichloromethane	BRL		0.00065	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Bromoform	BRL		0.00096	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Bromomethane	BRL		0.0022	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Carbon disulfide	BRL		0.0048	0.013	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Carbon tetrachloride	BRL		0.00085	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Chlorobenzene	BRL		0.00055	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Chloroethane	BRL		0.00056	0.013	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Chloroform	BRL		0.00056	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Chloromethane	BRL		0.00061	0.013	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
cis-1,2-Dichloroethene	BRL		0.00070	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
cis-1,3-Dichloropropene	BRL		0.00054	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Cyclohexane	BRL		0.0019	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Dibromochloromethane	BRL		0.00063	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Dichlorodifluoromethane	BRL		0.00096	0.013	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Ethylbenzene	BRL		0.00054	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Freon-113	BRL		0.00095	0.013	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Isopropylbenzene	BRL		0.00069	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
m,p-Xylene	BRL		0.0011	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Methyl acetate	BRL		0.0013	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Methyl tert-butyl ether	BRL		0.00079	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Methylcyclohexane	BRL		0.0010	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Methylene chloride	0.020	J	0.00080	0.026	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
o-Xylene	BRL		0.00042	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Styrene	BRL		0.00054	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Tetrachloroethene	BRL		0.00055	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Toluene	BRL		0.0014	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD

Qualifiers:

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- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-04X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:55:00 AM
Lab ID:	1411153-012	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00084	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
trans-1,3-Dichloropropene	BRL		0.00050	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Trichloroethene	BRL		0.00095	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Trichlorofluoromethane	BRL		0.0013	0.0065	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Vinyl chloride	BRL		0.0011	0.013	mg/Kg-dry	198845	1	11/07/2014 01:15	MD
Surr: 4-Bromofluorobenzene	91.1		0	70-128	%REC	198845	1	11/07/2014 01:15	MD
Surr: Dibromofluoromethane	94.3		0	78.2-128	%REC	198845	1	11/07/2014 01:15	MD
Surr: Toluene-d8	95.7		0	76.5-116	%REC	198845	1	11/07/2014 01:15	MD
PERCENT MOISTURE D2216									
Percent Moisture	32.9		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-02X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:40:00 AM
Lab ID:	1411153-013	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.037	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2,4,5-Trichlorophenol	BRL		0.057	2.5	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2,4,6-Trichlorophenol	BRL		0.030	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2,4-Dichlorophenol	BRL		0.028	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2,4-Dimethylphenol	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2,4-Dinitrophenol	BRL		0.49	2.5	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2,4-Dinitrotoluene	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2,6-Dinitrotoluene	BRL		0.054	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2-Chloronaphthalene	BRL		0.031	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2-Chlorophenol	BRL		0.044	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2-Methylnaphthalene	BRL		0.048	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2-Methylphenol	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2-Nitroaniline	BRL		0.048	2.5	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
2-Nitrophenol	BRL		0.060	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
3,3´-Dichlorobenzidine	BRL		0.062	0.98	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
3-Nitroaniline	BRL		0.049	2.5	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
4,6-Dinitro-2-methylphenol	BRL		0.034	2.5	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
4-Bromophenyl phenyl ether	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
4-Chloro-3-methylphenol	BRL		0.026	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
4-Chloroaniline	BRL		0.074	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
4-Chlorophenyl phenyl ether	BRL		0.054	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
4-Methylphenol	BRL		0.083	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
4-Nitroaniline	BRL		0.054	2.5	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
4-Nitrophenol	BRL		0.44	2.5	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Acenaphthene	BRL		0.056	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Acenaphthylene	BRL		0.030	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Acetophenone	BRL		0.022	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Anthracene	BRL		0.042	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Atrazine	BRL		0.050	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Benz(a)anthracene	BRL		0.034	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Benzaldehyde	BRL		0.079	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Benzo(a)pyrene	BRL		0.043	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Benzo(b)fluoranthene	BRL		0.041	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Benzo(g,h,i)perylene	BRL		0.044	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Benzo(k)fluoranthene	BRL		0.067	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Bis(2-chloroethoxy)methane	BRL		0.032	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Bis(2-chloroethyl)ether	BRL		0.079	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Bis(2-chloroisopropyl)ether	BRL		0.034	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Bis(2-ethylhexyl)phthalate	BRL		0.041	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-02X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:40:00 AM
Lab ID:	1411153-013	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.042	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Caprolactam	BRL		0.041	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Carbazole	BRL		0.054	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Chrysene	BRL		0.052	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Di-n-butyl phthalate	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Di-n-octyl phthalate	BRL		0.026	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Dibenz(a,h)anthracene	BRL		0.040	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Dibenzofuran	BRL		0.041	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Diethyl phthalate	BRL		0.048	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Dimethyl phthalate	BRL		0.029	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Fluoranthene	BRL		0.037	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Fluorene	BRL		0.035	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Hexachlorobenzene	BRL		0.094	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Hexachlorobutadiene	BRL		0.045	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Hexachlorocyclopentadiene	BRL		0.048	0.96	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Hexachloroethane	BRL		0.071	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Indeno(1,2,3-cd)pyrene	BRL		0.035	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Isophorone	BRL		0.028	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
N-Nitrosodi-n-propylamine	BRL		0.027	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
N-Nitrosodiphenylamine	BRL		0.036	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Naphthalene	BRL		0.028	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Nitrobenzene	BRL		0.044	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Pentachlorophenol	BRL		0.039	2.5	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Phenanthrene	BRL		0.046	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Phenol	BRL		0.036	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Pyrene	BRL		0.047	0.48	mg/Kg-dry	196951	1	11/06/2014 19:35	YH
Surr: 2,4,6-Tribromophenol	86.5		0	40.2-120	%REC	196951	1	11/06/2014 19:35	YH
Surr: 2-Fluorobiphenyl	80.9		0	45.6-120	%REC	196951	1	11/06/2014 19:35	YH
Surr: 2-Fluorophenol	78.1		0	35.2-120	%REC	196951	1	11/06/2014 19:35	YH
Surr: 4-Terphenyl-d14	79.8		0	51-121	%REC	196951	1	11/06/2014 19:35	YH
Surr: Nitrobenzene-d5	82		0	37.8-120	%REC	196951	1	11/06/2014 19:35	YH
Surr: Phenol-d5	82.2		0	39.9-120	%REC	196951	1	11/06/2014 19:35	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00048	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,1,2,2-Tetrachloroethane	BRL		0.0013	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,1,2-Trichloroethane	BRL		0.00061	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,1-Dichloroethane	BRL		0.00038	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,1-Dichloroethene	BRL		0.00058	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-02X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:40:00 AM
Lab ID:	1411153-013	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00080	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,2-Dibromo-3-chloropropane	BRL		0.00037	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,2-Dibromoethane	BRL		0.00043	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,2-Dichlorobenzene	BRL		0.0015	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,2-Dichloroethane	BRL		0.00065	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,2-Dichloropropane	BRL		0.00041	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,3-Dichlorobenzene	BRL		0.0018	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
1,4-Dichlorobenzene	BRL		0.00050	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
2-Butanone	BRL		0.010	0.050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
2-Hexanone	BRL		0.0016	0.010	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
4-Methyl-2-pentanone	BRL		0.00086	0.010	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Acetone	BRL		0.013	0.10	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Benzene	BRL		0.0014	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Bromodichloromethane	BRL		0.00050	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Bromoform	BRL		0.00074	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Bromomethane	BRL		0.0017	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Carbon disulfide	BRL		0.0037	0.010	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Carbon tetrachloride	BRL		0.00065	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Chlorobenzene	BRL		0.00043	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Chloroethane	BRL		0.00043	0.010	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Chloroform	BRL		0.00043	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Chloromethane	BRL		0.00047	0.010	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
cis-1,2-Dichloroethene	BRL		0.00054	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
cis-1,3-Dichloropropene	BRL		0.00042	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Cyclohexane	BRL		0.0014	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Dibromochloromethane	BRL		0.00048	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Dichlorodifluoromethane	BRL		0.00074	0.010	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Ethylbenzene	BRL		0.00042	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Freon-113	BRL		0.00073	0.010	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Isopropylbenzene	BRL		0.00053	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
m,p-Xylene	BRL		0.00081	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Methyl acetate	BRL		0.00097	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Methyl tert-butyl ether	BRL		0.00061	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Methylcyclohexane	BRL		0.00077	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Methylene chloride	0.017	J	0.00061	0.020	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
o-Xylene	BRL		0.00033	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Styrene	BRL		0.00042	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Tetrachloroethene	BRL		0.00042	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Toluene	BRL		0.0011	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD

Qualifiers:

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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-02X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:40:00 AM
Lab ID:	1411153-013	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00064	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
trans-1,3-Dichloropropene	BRL		0.00039	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Trichloroethene	BRL		0.00073	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Trichlorofluoromethane	BRL		0.0010	0.0050	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Vinyl chloride	BRL		0.00084	0.010	mg/Kg-dry	198845	1	11/07/2014 01:45	MD
Surr: 4-Bromofluorobenzene	92.2		0	70-128	%REC	198845	1	11/07/2014 01:45	MD
Surr: Dibromofluoromethane	94.5		0	78.2-128	%REC	198845	1	11/07/2014 01:45	MD
Surr: Toluene-d8	94		0	76.5-116	%REC	198845	1	11/07/2014 01:45	MD
PERCENT MOISTURE D2216									
Percent Moisture	31.6		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

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BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-07X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:40:00 AM
Lab ID:	1411153-014	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.038	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2,4,5-Trichlorophenol	BRL		0.058	2.5	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2,4,6-Trichlorophenol	BRL		0.031	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2,4-Dichlorophenol	BRL		0.029	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2,4-Dimethylphenol	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2,4-Dinitrophenol	BRL		0.50	2.5	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2,4-Dinitrotoluene	BRL		0.046	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2,6-Dinitrotoluene	BRL		0.056	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2-Chloronaphthalene	BRL		0.032	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2-Chlorophenol	BRL		0.045	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2-Methylnaphthalene	BRL		0.049	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2-Methylphenol	BRL		0.048	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2-Nitroaniline	BRL		0.049	2.5	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
2-Nitrophenol	BRL		0.062	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
3,3´-Dichlorobenzidine	BRL		0.064	1.0	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
3-Nitroaniline	BRL		0.050	2.5	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
4,6-Dinitro-2-methylphenol	BRL		0.035	2.5	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
4-Bromophenyl phenyl ether	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
4-Chloro-3-methylphenol	BRL		0.027	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
4-Chloroaniline	BRL		0.075	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
4-Chlorophenyl phenyl ether	BRL		0.055	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
4-Methylphenol	BRL		0.085	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
4-Nitroaniline	BRL		0.055	2.5	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
4-Nitrophenol	BRL		0.45	2.5	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Acenaphthene	BRL		0.057	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Acenaphthylene	BRL		0.030	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Acetophenone	BRL		0.023	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Anthracene	BRL		0.043	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Atrazine	BRL		0.051	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Benz(a)anthracene	BRL		0.035	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Benzaldehyde	BRL		0.081	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Benzo(a)pyrene	BRL		0.044	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Benzo(b)fluoranthene	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Benzo(g,h,i)perylene	BRL		0.045	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Benzo(k)fluoranthene	BRL		0.069	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Bis(2-chloroethoxy)methane	BRL		0.032	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Bis(2-chloroethyl)ether	BRL		0.081	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Bis(2-chloroisopropyl)ether	BRL		0.035	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Bis(2-ethylhexyl)phthalate	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-07X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:40:00 AM
Lab ID:	1411153-014	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.043	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Caprolactam	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Carbazole	BRL		0.055	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Chrysene	BRL		0.053	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Di-n-butyl phthalate	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Di-n-octyl phthalate	BRL		0.026	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Dibenz(a,h)anthracene	BRL		0.041	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Dibenzofuran	BRL		0.042	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Diethyl phthalate	BRL		0.050	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Dimethyl phthalate	BRL		0.029	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Fluoranthene	BRL		0.038	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Fluorene	BRL		0.036	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Hexachlorobenzene	BRL		0.097	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Hexachlorobutadiene	BRL		0.046	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Hexachlorocyclopentadiene	BRL		0.049	0.99	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Hexachloroethane	BRL		0.073	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Indeno(1,2,3-cd)pyrene	BRL		0.036	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Isophorone	BRL		0.028	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
N-Nitrosodi-n-propylamine	BRL		0.028	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
N-Nitrosodiphenylamine	BRL		0.037	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Naphthalene	BRL		0.029	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Nitrobenzene	BRL		0.045	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Pentachlorophenol	BRL		0.040	2.5	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Phenanthrene	BRL		0.047	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Phenol	BRL		0.037	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Pyrene	BRL		0.048	0.49	mg/Kg-dry	196951	1	11/06/2014 20:01	YH
Surr: 2,4,6-Tribromophenol	81.6		0	40.2-120	%REC	196951	1	11/06/2014 20:01	YH
Surr: 2-Fluorobiphenyl	65.6		0	45.6-120	%REC	196951	1	11/06/2014 20:01	YH
Surr: 2-Fluorophenol	57.4		0	35.2-120	%REC	196951	1	11/06/2014 20:01	YH
Surr: 4-Terphenyl-d14	84		0	51-121	%REC	196951	1	11/06/2014 20:01	YH
Surr: Nitrobenzene-d5	60		0	37.8-120	%REC	196951	1	11/06/2014 20:01	YH
Surr: Phenol-d5	74.6		0	39.9-120	%REC	196951	1	11/06/2014 20:01	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00046	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,1,2,2-Tetrachloroethane	BRL		0.0012	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,1,2-Trichloroethane	BRL		0.00058	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,1-Dichloroethane	BRL		0.00036	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,1-Dichloroethene	BRL		0.00056	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-07X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:40:00 AM
Lab ID:	1411153-014	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00076	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,2-Dibromo-3-chloropropane	BRL		0.00035	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,2-Dibromoethane	BRL		0.00041	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,2-Dichlorobenzene	BRL		0.0015	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,2-Dichloroethane	BRL		0.00063	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,2-Dichloropropane	BRL		0.00039	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,3-Dichlorobenzene	BRL		0.0017	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
1,4-Dichlorobenzene	BRL		0.00048	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
2-Butanone	BRL		0.0098	0.048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
2-Hexanone	BRL		0.0015	0.0096	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
4-Methyl-2-pentanone	BRL		0.00082	0.0096	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Acetone	BRL		0.012	0.096	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Benzene	BRL		0.0014	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Bromodichloromethane	BRL		0.00048	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Bromoform	BRL		0.00071	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Bromomethane	BRL		0.0016	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Carbon disulfide	BRL		0.0036	0.0096	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Carbon tetrachloride	BRL		0.00062	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Chlorobenzene	BRL		0.00041	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Chloroethane	BRL		0.00041	0.0096	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Chloroform	BRL		0.00041	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Chloromethane	BRL		0.00045	0.0096	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
cis-1,2-Dichloroethene	BRL		0.00051	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
cis-1,3-Dichloropropene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Cyclohexane	BRL		0.0014	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Dibromochloromethane	BRL		0.00046	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Dichlorodifluoromethane	BRL		0.00071	0.0096	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Ethylbenzene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Freon-113	BRL		0.00070	0.0096	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Isopropylbenzene	BRL		0.00051	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
m,p-Xylene	BRL		0.00078	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Methyl acetate	BRL		0.00093	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Methyl tert-butyl ether	BRL		0.00058	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Methylcyclohexane	BRL		0.00074	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Methylene chloride	0.016	J	0.00059	0.019	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
o-Xylene	BRL		0.00031	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Styrene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Tetrachloroethene	BRL		0.00040	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Toluene	BRL		0.0010	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-07X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:40:00 AM
Lab ID:	1411153-014	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00062	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
trans-1,3-Dichloropropene	BRL		0.00037	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Trichloroethene	BRL		0.00070	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Trichlorofluoromethane	BRL		0.00096	0.0048	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Vinyl chloride	BRL		0.00081	0.0096	mg/Kg-dry	198845	1	11/07/2014 02:14	MD
Surr: 4-Bromofluorobenzene	93.2		0	70-128	%REC	198845	1	11/07/2014 02:14	MD
Surr: Dibromofluoromethane	95.4		0	78.2-128	%REC	198845	1	11/07/2014 02:14	MD
Surr: Toluene-d8	94.7		0	76.5-116	%REC	198845	1	11/07/2014 02:14	MD
PERCENT MOISTURE D2216									
Percent Moisture	33.3		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-01X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:55:00 AM
Lab ID:	1411153-015	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.035	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2,4,5-Trichlorophenol	BRL		0.053	2.3	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2,4,6-Trichlorophenol	BRL		0.028	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2,4-Dichlorophenol	BRL		0.026	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2,4-Dimethylphenol	BRL		0.043	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2,4-Dinitrophenol	BRL		0.46	2.3	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2,4-Dinitrotoluene	BRL		0.043	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2,6-Dinitrotoluene	BRL		0.051	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2-Chloronaphthalene	BRL		0.029	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2-Chlorophenol	BRL		0.042	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2-Methylnaphthalene	BRL		0.045	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2-Methylphenol	BRL		0.044	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2-Nitroaniline	BRL		0.045	2.3	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
2-Nitrophenol	BRL		0.057	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
3,3´-Dichlorobenzidine	BRL		0.059	0.92	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
3-Nitroaniline	BRL		0.046	2.3	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
4,6-Dinitro-2-methylphenol	BRL		0.032	2.3	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
4-Bromophenyl phenyl ether	BRL		0.043	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
4-Chloro-3-methylphenol	BRL		0.025	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
4-Chloroaniline	BRL		0.069	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
4-Chlorophenyl phenyl ether	BRL		0.051	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
4-Methylphenol	BRL		0.078	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
4-Nitroaniline	BRL		0.051	2.3	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
4-Nitrophenol	BRL		0.42	2.3	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Acenaphthene	BRL		0.053	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Acenaphthylene	BRL		0.028	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Acetophenone	BRL		0.021	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Anthracene	BRL		0.039	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Atrazine	BRL		0.047	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Benz(a)anthracene	BRL		0.032	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Benzaldehyde	BRL		0.074	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Benzo(a)pyrene	BRL		0.040	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Benzo(b)fluoranthene	BRL		0.039	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Benzo(g,h,i)perylene	BRL		0.042	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Benzo(k)fluoranthene	BRL		0.063	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Bis(2-chloroethoxy)methane	BRL		0.030	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Bis(2-chloroethyl)ether	BRL		0.074	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Bis(2-chloroisopropyl)ether	BRL		0.032	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Bis(2-ethylhexyl)phthalate	BRL		0.038	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH

Qualifiers:

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- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-01X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:55:00 AM
Lab ID:	1411153-015	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.040	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Caprolactam	BRL		0.039	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Carbazole	BRL		0.051	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Chrysene	BRL		0.049	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Di-n-butyl phthalate	BRL		0.043	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Di-n-octyl phthalate	BRL		0.024	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Dibenz(a,h)anthracene	BRL		0.038	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Dibenzofuran	BRL		0.038	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Diethyl phthalate	BRL		0.046	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Dimethyl phthalate	BRL		0.027	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Fluoranthene	BRL		0.035	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Fluorene	BRL		0.033	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Hexachlorobenzene	BRL		0.089	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Hexachlorobutadiene	BRL		0.042	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Hexachlorocyclopentadiene	BRL		0.045	0.91	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Hexachloroethane	BRL		0.067	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Indeno(1,2,3-cd)pyrene	BRL		0.033	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Isophorone	BRL		0.026	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
N-Nitrosodi-n-propylamine	BRL		0.026	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
N-Nitrosodiphenylamine	BRL		0.034	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Naphthalene	BRL		0.026	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Nitrobenzene	BRL		0.041	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Pentachlorophenol	BRL		0.036	2.3	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Phenanthrene	BRL		0.044	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Phenol	BRL		0.034	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Pyrene	BRL		0.045	0.45	mg/Kg-dry	196951	1	11/06/2014 20:27	YH
Surr: 2,4,6-Tribromophenol	89.2		0	40.2-120	%REC	196951	1	11/06/2014 20:27	YH
Surr: 2-Fluorobiphenyl	88.3		0	45.6-120	%REC	196951	1	11/06/2014 20:27	YH
Surr: 2-Fluorophenol	84.8		0	35.2-120	%REC	196951	1	11/06/2014 20:27	YH
Surr: 4-Terphenyl-d14	88.4		0	51-121	%REC	196951	1	11/06/2014 20:27	YH
Surr: Nitrobenzene-d5	88		0	37.8-120	%REC	196951	1	11/06/2014 20:27	YH
Surr: Phenol-d5	89.9		0	39.9-120	%REC	196951	1	11/06/2014 20:27	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00038	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,1,2,2-Tetrachloroethane	BRL		0.00098	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,1,2-Trichloroethane	BRL		0.00048	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,1-Dichloroethane	BRL		0.00029	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,1-Dichloroethene	BRL		0.00046	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-01X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:55:00 AM
Lab ID:	1411153-015	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00063	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,2-Dibromo-3-chloropropane	BRL		0.00029	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,2-Dibromoethane	BRL		0.00034	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,2-Dichlorobenzene	BRL		0.0012	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,2-Dichloroethane	BRL		0.00051	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,2-Dichloropropane	BRL		0.00032	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,3-Dichlorobenzene	BRL		0.0014	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
1,4-Dichlorobenzene	BRL		0.00039	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
2-Butanone	BRL		0.0080	0.039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
2-Hexanone	BRL		0.0012	0.0079	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
4-Methyl-2-pentanone	BRL		0.00067	0.0079	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Acetone	BRL		0.010	0.079	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Benzene	BRL		0.0011	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Bromodichloromethane	BRL		0.00039	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Bromoform	BRL		0.00058	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Bromomethane	BRL		0.0013	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Carbon disulfide	BRL		0.0029	0.0079	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Carbon tetrachloride	BRL		0.00051	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Chlorobenzene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Chloroethane	BRL		0.00034	0.0079	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Chloroform	BRL		0.00034	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Chloromethane	BRL		0.00037	0.0079	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
cis-1,2-Dichloroethene	BRL		0.00042	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
cis-1,3-Dichloropropene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Cyclohexane	BRL		0.0011	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Dibromochloromethane	BRL		0.00038	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Dichlorodifluoromethane	BRL		0.00058	0.0079	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Ethylbenzene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Freon-113	BRL		0.00057	0.0079	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Isopropylbenzene	BRL		0.00042	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
m,p-Xylene	BRL		0.00064	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Methyl acetate	BRL		0.00076	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Methyl tert-butyl ether	BRL		0.00048	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Methylcyclohexane	BRL		0.00060	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Methylene chloride	0.014	J	0.00048	0.016	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
o-Xylene	BRL		0.00026	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Styrene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Tetrachloroethene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Toluene	BRL		0.00083	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD

Qualifiers:

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-01X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 10:55:00 AM
Lab ID:	1411153-015	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00050	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
trans-1,3-Dichloropropene	BRL		0.00030	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Trichloroethene	BRL		0.00057	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Trichlorofluoromethane	BRL		0.00079	0.0039	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Vinyl chloride	BRL		0.00066	0.0079	mg/Kg-dry	198845	1	11/07/2014 02:44	MD
Surr: 4-Bromofluorobenzene	92.1		0	70-128	%REC	198845	1	11/07/2014 02:44	MD
Surr: Dibromofluoromethane	99.9		0	78.2-128	%REC	198845	1	11/07/2014 02:44	MD
Surr: Toluene-d8	95.8		0	76.5-116	%REC	198845	1	11/07/2014 02:44	MD
PERCENT MOISTURE D2216									
Percent Moisture	27.6		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-03X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:50:00 PM
Lab ID:	1411153-016	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.033	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2,4,5-Trichlorophenol	BRL		0.051	2.2	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2,4,6-Trichlorophenol	BRL		0.027	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2,4-Dichlorophenol	BRL		0.025	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2,4-Dimethylphenol	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2,4-Dinitrophenol	BRL		0.44	2.2	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2,4-Dinitrotoluene	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2,6-Dinitrotoluene	BRL		0.049	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2-Chloronaphthalene	BRL		0.028	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2-Chlorophenol	BRL		0.040	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2-Methylnaphthalene	BRL		0.043	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2-Methylphenol	BRL		0.042	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2-Nitroaniline	BRL		0.043	2.2	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
2-Nitrophenol	BRL		0.054	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
3,3´-Dichlorobenzidine	BRL		0.056	0.88	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
3-Nitroaniline	BRL		0.044	2.2	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
4,6-Dinitro-2-methylphenol	BRL		0.031	2.2	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
4-Bromophenyl phenyl ether	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
4-Chloro-3-methylphenol	BRL		0.024	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
4-Chloroaniline	BRL		0.066	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
4-Chlorophenyl phenyl ether	BRL		0.048	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
4-Methylphenol	BRL		0.074	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
4-Nitroaniline	BRL		0.048	2.2	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
4-Nitrophenol	BRL		0.40	2.2	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Acenaphthene	BRL		0.050	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Acenaphthylene	BRL		0.026	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Acetophenone	BRL		0.020	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Anthracene	BRL		0.037	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Atrazine	BRL		0.045	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Benz(a)anthracene	BRL		0.031	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Benzaldehyde	BRL		0.071	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Benzo(a)pyrene	BRL		0.038	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Benzo(b)fluoranthene	BRL		0.037	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Benzo(g,h,i)perylene	BRL		0.040	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Benzo(k)fluoranthene	BRL		0.060	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Bis(2-chloroethoxy)methane	BRL		0.028	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Bis(2-chloroethyl)ether	BRL		0.070	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Bis(2-chloroisopropyl)ether	BRL		0.031	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Bis(2-ethylhexyl)phthalate	BRL		0.036	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-03X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:50:00 PM
Lab ID:	1411153-016	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.038	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Caprolactam	BRL		0.037	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Carbazole	BRL		0.049	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Chrysene	BRL		0.047	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Di-n-butyl phthalate	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Di-n-octyl phthalate	BRL		0.023	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Dibenz(a,h)anthracene	BRL		0.036	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Dibenzofuran	BRL		0.036	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Diethyl phthalate	BRL		0.043	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Dimethyl phthalate	BRL		0.026	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Fluoranthene	BRL		0.033	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Fluorene	BRL		0.032	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Hexachlorobenzene	BRL		0.085	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Hexachlorobutadiene	BRL		0.040	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Hexachlorocyclopentadiene	BRL		0.043	0.87	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Hexachloroethane	BRL		0.064	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Indeno(1,2,3-cd)pyrene	BRL		0.032	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Isophorone	BRL		0.025	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
N-Nitrosodi-n-propylamine	BRL		0.024	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
N-Nitrosodiphenylamine	BRL		0.032	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Naphthalene	BRL		0.025	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Nitrobenzene	BRL		0.039	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Pentachlorophenol	BRL		0.035	2.2	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Phenanthrene	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Phenol	BRL		0.032	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Pyrene	BRL		0.042	0.43	mg/Kg-dry	196951	1	11/06/2014 20:54	YH
Surr: 2,4,6-Tribromophenol	92.3		0	40.2-120	%REC	196951	1	11/06/2014 20:54	YH
Surr: 2-Fluorobiphenyl	88.3		0	45.6-120	%REC	196951	1	11/06/2014 20:54	YH
Surr: 2-Fluorophenol	88.9		0	35.2-120	%REC	196951	1	11/06/2014 20:54	YH
Surr: 4-Terphenyl-d14	91.6		0	51-121	%REC	196951	1	11/06/2014 20:54	YH
Surr: Nitrobenzene-d5	88		0	37.8-120	%REC	196951	1	11/06/2014 20:54	YH
Surr: Phenol-d5	95.4		0	39.9-120	%REC	196951	1	11/06/2014 20:54	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00037	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,1,2,2-Tetrachloroethane	BRL		0.00097	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,1,2-Trichloroethane	BRL		0.00047	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,1-Dichloroethane	BRL		0.00029	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,1-Dichloroethene	BRL		0.00045	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-03X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:50:00 PM
Lab ID:	1411153-016	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00062	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,2-Dibromo-3-chloropropane	BRL		0.00029	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,2-Dibromoethane	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,2-Dichlorobenzene	BRL		0.0012	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,2-Dichloroethane	BRL		0.00051	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,2-Dichloropropane	BRL		0.00031	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,3-Dichlorobenzene	BRL		0.0014	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
1,4-Dichlorobenzene	BRL		0.00039	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
2-Butanone	BRL		0.0080	0.039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
2-Hexanone	BRL		0.0012	0.0078	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
4-Methyl-2-pentanone	BRL		0.00067	0.0078	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Acetone	BRL		0.010	0.078	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Benzene	BRL		0.0011	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Bromodichloromethane	BRL		0.00039	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Bromoform	BRL		0.00057	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Bromomethane	BRL		0.0013	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Carbon disulfide	BRL		0.0029	0.0078	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Carbon tetrachloride	BRL		0.00051	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Chlorobenzene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Chloroethane	BRL		0.00034	0.0078	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Chloroform	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Chloromethane	BRL		0.00037	0.0078	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
cis-1,2-Dichloroethene	BRL		0.00042	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
cis-1,3-Dichloropropene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Cyclohexane	BRL		0.0011	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Dibromochloromethane	BRL		0.00037	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Dichlorodifluoromethane	BRL		0.00057	0.0078	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Ethylbenzene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Freon-113	BRL		0.00057	0.0078	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Isopropylbenzene	BRL		0.00041	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
m,p-Xylene	BRL		0.00063	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Methyl acetate	BRL		0.00075	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Methyl tert-butyl ether	BRL		0.00047	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Methylcyclohexane	BRL		0.00060	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Methylene chloride	0.011	J	0.00048	0.016	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
o-Xylene	BRL		0.00025	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Styrene	BRL		0.00032	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Tetrachloroethene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Toluene	BRL		0.00082	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-03X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:50:00 PM
Lab ID:	1411153-016	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00050	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
trans-1,3-Dichloropropene	BRL		0.00030	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Trichloroethene	BRL		0.00057	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Trichlorofluoromethane	BRL		0.00078	0.0039	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Vinyl chloride	BRL		0.00066	0.0078	mg/Kg-dry	198845	1	11/07/2014 03:13	MD
Surr: 4-Bromofluorobenzene	92.1		0	70-128	%REC	198845	1	11/07/2014 03:13	MD
Surr: Dibromofluoromethane	97.5		0	78.2-128	%REC	198845	1	11/07/2014 03:13	MD
Surr: Toluene-d8	95.5		0	76.5-116	%REC	198845	1	11/07/2014 03:13	MD
PERCENT MOISTURE D2216									
Percent Moisture	23.8		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-01X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:40:00 PM
Lab ID:	1411153-017	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.034	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2,4,5-Trichlorophenol	BRL		0.051	2.3	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2,4,6-Trichlorophenol	BRL		0.027	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2,4-Dichlorophenol	BRL		0.025	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2,4-Dimethylphenol	BRL		0.042	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2,4-Dinitrophenol	BRL		0.44	2.3	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2,4-Dinitrotoluene	BRL		0.041	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2,6-Dinitrotoluene	BRL		0.049	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2-Chloronaphthalene	BRL		0.028	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2-Chlorophenol	BRL		0.040	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2-Methylnaphthalene	BRL		0.044	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2-Methylphenol	BRL		0.042	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2-Nitroaniline	BRL		0.044	2.3	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
2-Nitrophenol	BRL		0.055	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
3,3´-Dichlorobenzidine	BRL		0.057	0.89	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
3-Nitroaniline	BRL		0.045	2.3	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
4,6-Dinitro-2-methylphenol	BRL		0.031	2.3	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
4-Bromophenyl phenyl ether	BRL		0.041	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
4-Chloro-3-methylphenol	BRL		0.024	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
4-Chloroaniline	BRL		0.067	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
4-Chlorophenyl phenyl ether	BRL		0.049	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
4-Methylphenol	BRL		0.075	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
4-Nitroaniline	BRL		0.049	2.3	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
4-Nitrophenol	BRL		0.40	2.3	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Acenaphthene	BRL		0.051	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Acenaphthylene	BRL		0.027	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Acetophenone	BRL		0.020	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Anthracene	BRL		0.038	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Atrazine	BRL		0.045	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Benz(a)anthracene	BRL		0.031	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Benzaldehyde	BRL		0.072	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Benzo(a)pyrene	BRL		0.039	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Benzo(b)fluoranthene	BRL		0.037	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Benzo(g,h,i)perylene	BRL		0.040	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Benzo(k)fluoranthene	BRL		0.061	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Bis(2-chloroethoxy)methane	BRL		0.029	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Bis(2-chloroethyl)ether	BRL		0.071	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Bis(2-chloroisopropyl)ether	BRL		0.031	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Bis(2-ethylhexyl)phthalate	BRL		0.037	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH

Qualifiers:

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- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
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- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-01X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:40:00 PM
Lab ID:	1411153-017	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.038	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Caprolactam	BRL		0.038	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Carbazole	BRL		0.049	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Chrysene	BRL		0.047	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Di-n-butyl phthalate	BRL		0.042	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Di-n-octyl phthalate	BRL		0.023	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Dibenz(a,h)anthracene	BRL		0.037	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Dibenzofuran	BRL		0.037	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Diethyl phthalate	BRL		0.044	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Dimethyl phthalate	BRL		0.026	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Fluoranthene	BRL		0.034	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Fluorene	BRL		0.032	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Hexachlorobenzene	BRL		0.086	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Hexachlorobutadiene	BRL		0.041	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Hexachlorocyclopentadiene	BRL		0.043	0.88	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Hexachloroethane	BRL		0.065	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Indeno(1,2,3-cd)pyrene	BRL		0.032	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Isophorone	BRL		0.025	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
N-Nitrosodi-n-propylamine	BRL		0.025	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
N-Nitrosodiphenylamine	BRL		0.033	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Naphthalene	BRL		0.025	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Nitrobenzene	BRL		0.040	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Pentachlorophenol	BRL		0.035	2.3	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Phenanthrene	BRL		0.042	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Phenol	BRL		0.033	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Pyrene	BRL		0.043	0.44	mg/Kg-dry	196951	1	11/06/2014 21:19	YH
Surr: 2,4,6-Tribromophenol	89.9		0	40.2-120	%REC	196951	1	11/06/2014 21:19	YH
Surr: 2-Fluorobiphenyl	87.8		0	45.6-120	%REC	196951	1	11/06/2014 21:19	YH
Surr: 2-Fluorophenol	84.7		0	35.2-120	%REC	196951	1	11/06/2014 21:19	YH
Surr: 4-Terphenyl-d14	87.1		0	51-121	%REC	196951	1	11/06/2014 21:19	YH
Surr: Nitrobenzene-d5	84.6		0	37.8-120	%REC	196951	1	11/06/2014 21:19	YH
Surr: Phenol-d5	88.3		0	39.9-120	%REC	196951	1	11/06/2014 21:19	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00034	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,1,2,2-Tetrachloroethane	BRL		0.00089	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,1,2-Trichloroethane	BRL		0.00043	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,1-Dichloroethane	BRL		0.00027	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,1-Dichloroethene	BRL		0.00041	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-01X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:40:00 PM
Lab ID:	1411153-017	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00057	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,2-Dibromo-3-chloropropane	BRL		0.00026	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,2-Dibromoethane	BRL		0.00031	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,2-Dichlorobenzene	BRL		0.0011	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,2-Dichloroethane	BRL		0.00047	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,2-Dichloropropane	BRL		0.00029	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,3-Dichlorobenzene	BRL		0.0013	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
1,4-Dichlorobenzene	BRL		0.00036	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
2-Butanone	BRL		0.0073	0.036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
2-Hexanone	BRL		0.0011	0.0071	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
4-Methyl-2-pentanone	BRL		0.00061	0.0071	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Acetone	BRL		0.0092	0.071	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Benzene	BRL		0.0010	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Bromodichloromethane	BRL		0.00036	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Bromoform	BRL		0.00052	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Bromomethane	BRL		0.0012	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Carbon disulfide	BRL		0.0026	0.0071	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Carbon tetrachloride	BRL		0.00046	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Chlorobenzene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Chloroethane	BRL		0.00031	0.0071	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Chloroform	BRL		0.00031	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Chloromethane	BRL		0.00034	0.0071	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
cis-1,2-Dichloroethene	BRL		0.00038	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
cis-1,3-Dichloropropene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Cyclohexane	BRL		0.0010	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Dibromochloromethane	BRL		0.00034	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Dichlorodifluoromethane	BRL		0.00052	0.0071	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Ethylbenzene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Freon-113	BRL		0.00052	0.0071	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Isopropylbenzene	BRL		0.00038	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
m,p-Xylene	BRL		0.00058	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Methyl acetate	BRL		0.00069	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Methyl tert-butyl ether	BRL		0.00043	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Methylcyclohexane	BRL		0.00055	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Methylene chloride	0.0089	J	0.00044	0.014	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
o-Xylene	BRL		0.00023	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Styrene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Tetrachloroethene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Toluene	BRL		0.00075	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD

Qualifiers:

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- E Estimated value above quantitation range
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- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-01X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:40:00 PM
Lab ID:	1411153-017	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
trans-1,2-Dichloroethene	BRL		0.00046	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
trans-1,3-Dichloropropene	BRL		0.00028	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Trichloroethene	BRL		0.00052	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Trichlorofluoromethane	BRL		0.00071	0.0036	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Vinyl chloride	BRL		0.00060	0.0071	mg/Kg-dry	198845	1	11/07/2014 03:43	MD
Surr: 4-Bromofluorobenzene	92.6		0	70-128	%REC	198845	1	11/07/2014 03:43	MD
Surr: Dibromofluoromethane	96.5		0	78.2-128	%REC	198845	1	11/07/2014 03:43	MD
Surr: Toluene-d8	96		0	76.5-116	%REC	198845	1	11/07/2014 03:43	MD
PERCENT MOISTURE D2216									
Percent Moisture	24.8		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:20:00 PM
Lab ID:	1411153-018	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.033	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2,4,5-Trichlorophenol	BRL		0.050	2.2	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2,4,6-Trichlorophenol	BRL		0.026	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2,4-Dichlorophenol	BRL		0.025	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2,4-Dimethylphenol	BRL		0.040	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2,4-Dinitrophenol	BRL		0.43	2.2	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2,4-Dinitrotoluene	BRL		0.040	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2,6-Dinitrotoluene	BRL		0.048	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2-Chloronaphthalene	BRL		0.027	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2-Chlorophenol	BRL		0.039	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2-Methylnaphthalene	BRL		0.042	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2-Methylphenol	BRL		0.041	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2-Nitroaniline	BRL		0.042	2.2	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
2-Nitrophenol	BRL		0.053	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
3,3´-Dichlorobenzidine	BRL		0.054	0.86	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
3-Nitroaniline	BRL		0.043	2.2	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
4,6-Dinitro-2-methylphenol	BRL		0.030	2.2	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
4-Bromophenyl phenyl ether	BRL		0.040	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
4-Chloro-3-methylphenol	BRL		0.023	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
4-Chloroaniline	BRL		0.064	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
4-Chlorophenyl phenyl ether	BRL		0.047	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
4-Methylphenol	BRL		0.072	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
4-Nitroaniline	BRL		0.047	2.2	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
4-Nitrophenol	BRL		0.39	2.2	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Acenaphthene	BRL		0.049	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Acenaphthylene	BRL		0.026	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Acetophenone	BRL		0.019	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Anthracene	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Atrazine	BRL		0.044	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Benz(a)anthracene	BRL		0.030	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Benzaldehyde	BRL		0.069	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Benzo(a)pyrene	BRL		0.037	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Benzo(b)fluoranthene	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Benzo(g,h,i)perylene	BRL		0.039	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Benzo(k)fluoranthene	BRL		0.059	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Bis(2-chloroethoxy)methane	BRL		0.028	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Bis(2-chloroethyl)ether	BRL		0.069	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Bis(2-chloroisopropyl)ether	BRL		0.030	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Bis(2-ethylhexyl)phthalate	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:20:00 PM
Lab ID:	1411153-018	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.037	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Caprolactam	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Carbazole	BRL		0.047	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Chrysene	BRL		0.046	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Di-n-butyl phthalate	BRL		0.040	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Di-n-octyl phthalate	BRL		0.023	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Dibenz(a,h)anthracene	BRL		0.035	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Dibenzofuran	BRL		0.036	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Diethyl phthalate	BRL		0.042	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Dimethyl phthalate	BRL		0.025	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Fluoranthene	BRL		0.033	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Fluorene	BRL		0.031	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Hexachlorobenzene	BRL		0.083	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Hexachlorobutadiene	BRL		0.039	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Hexachlorocyclopentadiene	BRL		0.042	0.85	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Hexachloroethane	BRL		0.063	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Indeno(1,2,3-cd)pyrene	BRL		0.031	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Isophorone	BRL		0.024	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
N-Nitrosodi-n-propylamine	BRL		0.024	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
N-Nitrosodiphenylamine	BRL		0.032	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Naphthalene	BRL		0.024	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Nitrobenzene	BRL		0.038	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Pentachlorophenol	BRL		0.034	2.2	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Phenanthrene	BRL		0.040	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Phenol	BRL		0.031	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Pyrene	BRL		0.041	0.42	mg/Kg-dry	196951	1	11/06/2014 21:46	YH
Surr: 2,4,6-Tribromophenol	98.9		0	40.2-120	%REC	196951	1	11/06/2014 21:46	YH
Surr: 2-Fluorobiphenyl	94.9		0	45.6-120	%REC	196951	1	11/06/2014 21:46	YH
Surr: 2-Fluorophenol	91.2		0	35.2-120	%REC	196951	1	11/06/2014 21:46	YH
Surr: 4-Terphenyl-d14	89		0	51-121	%REC	196951	1	11/06/2014 21:46	YH
Surr: Nitrobenzene-d5	94		0	37.8-120	%REC	196951	1	11/06/2014 21:46	YH
Surr: Phenol-d5	96.3		0	39.9-120	%REC	196951	1	11/06/2014 21:46	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00037	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,1,2,2-Tetrachloroethane	BRL		0.00096	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,1,2-Trichloroethane	BRL		0.00046	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,1-Dichloroethane	BRL		0.00029	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,1-Dichloroethene	BRL		0.00044	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:20:00 PM
Lab ID:	1411153-018	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00061	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,2-Dibromo-3-chloropropane	BRL		0.00028	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,2-Dibromoethane	BRL		0.00033	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,2-Dichlorobenzene	BRL		0.0012	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,2-Dichloroethane	BRL		0.00050	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,2-Dichloropropane	BRL		0.00031	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,3-Dichlorobenzene	BRL		0.0014	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
1,4-Dichlorobenzene	BRL		0.00038	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
2-Butanone	BRL		0.0078	0.038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
2-Hexanone	BRL		0.0012	0.0077	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
4-Methyl-2-pentanone	BRL		0.00066	0.0077	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Acetone	BRL		0.0098	0.077	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Benzene	BRL		0.0011	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Bromodichloromethane	BRL		0.00038	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Bromoform	BRL		0.00056	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Bromomethane	BRL		0.0013	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Carbon disulfide	BRL		0.0028	0.0077	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Carbon tetrachloride	BRL		0.00050	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Chlorobenzene	BRL		0.00033	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Chloroethane	BRL		0.00033	0.0077	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Chloroform	BRL		0.00033	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Chloromethane	BRL		0.00036	0.0077	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
cis-1,2-Dichloroethene	BRL		0.00041	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
cis-1,3-Dichloropropene	BRL		0.00032	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Cyclohexane	BRL		0.0011	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Dibromochloromethane	BRL		0.00037	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Dichlorodifluoromethane	BRL		0.00056	0.0077	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Ethylbenzene	BRL		0.00032	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Freon-113	BRL		0.00056	0.0077	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Isopropylbenzene	BRL		0.00041	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
m,p-Xylene	BRL		0.00062	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Methyl acetate	BRL		0.00074	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Methyl tert-butyl ether	BRL		0.00047	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Methylcyclohexane	BRL		0.00059	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Methylene chloride	0.0091	J	0.00047	0.015	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
o-Xylene	BRL		0.00025	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Styrene	BRL		0.00032	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Tetrachloroethene	BRL		0.00032	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Toluene	BRL		0.00081	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD

Qualifiers:

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- BRL Not detected at MDL
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:20:00 PM
Lab ID:	1411153-018	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00049	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
trans-1,3-Dichloropropene	BRL		0.00030	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Trichloroethene	BRL		0.00056	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Trichlorofluoromethane	BRL		0.00077	0.0038	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Vinyl chloride	BRL		0.00065	0.0077	mg/Kg-dry	198845	1	11/07/2014 04:13	MD
Surr: 4-Bromofluorobenzene	92.1		0	70-128	%REC	198845	1	11/07/2014 04:13	MD
Surr: Dibromofluoromethane	95.8		0	78.2-128	%REC	198845	1	11/07/2014 04:13	MD
Surr: Toluene-d8	94.8		0	76.5-116	%REC	198845	1	11/07/2014 04:13	MD
PERCENT MOISTURE D2216									
Percent Moisture	21.9		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X001XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:00:00 PM
Lab ID:	1411153-019	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.042	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2,4,5-Trichlorophenol	BRL		0.063	2.8	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2,4,6-Trichlorophenol	BRL		0.034	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2,4-Dichlorophenol	BRL		0.031	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2,4-Dimethylphenol	BRL		0.051	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2,4-Dinitrophenol	BRL		0.55	2.8	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2,4-Dinitrotoluene	BRL		0.051	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2,6-Dinitrotoluene	BRL		0.061	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2-Chloronaphthalene	BRL		0.035	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2-Chlorophenol	BRL		0.050	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2-Methylnaphthalene	BRL		0.054	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2-Methylphenol	BRL		0.052	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2-Nitroaniline	BRL		0.054	2.8	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
2-Nitrophenol	BRL		0.067	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
3,3´-Dichlorobenzidine	BRL		0.070	1.1	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
3-Nitroaniline	BRL		0.055	2.8	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
4,6-Dinitro-2-methylphenol	BRL		0.038	2.8	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
4-Bromophenyl phenyl ether	BRL		0.051	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
4-Chloro-3-methylphenol	BRL		0.030	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
4-Chloroaniline	BRL		0.082	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
4-Chlorophenyl phenyl ether	BRL		0.060	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
4-Methylphenol	BRL		0.093	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
4-Nitroaniline	BRL		0.060	2.8	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
4-Nitrophenol	BRL		0.50	2.8	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Acenaphthene	BRL		0.063	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Acenaphthylene	BRL		0.033	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Acetophenone	BRL		0.025	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Anthracene	BRL		0.047	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Atrazine	BRL		0.056	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Benz(a)anthracene	BRL		0.038	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Benzaldehyde	BRL		0.088	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Benzo(a)pyrene	BRL		0.048	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Benzo(b)fluoranthene	BRL		0.046	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Benzo(g,h,i)perylene	BRL		0.049	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Benzo(k)fluoranthene	BRL		0.075	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Bis(2-chloroethoxy)methane	BRL		0.035	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Bis(2-chloroethyl)ether	BRL		0.088	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Bis(2-chloroisopropyl)ether	BRL		0.038	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Bis(2-ethylhexyl)phthalate	BRL		0.046	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH

Qualifiers:

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X001XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:00:00 PM
Lab ID:	1411153-019	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.047	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Caprolactam	BRL		0.046	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Carbazole	BRL		0.061	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Chrysene	BRL		0.058	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Di-n-butyl phthalate	BRL		0.051	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Di-n-octyl phthalate	BRL		0.029	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Dibenz(a,h)anthracene	BRL		0.045	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Dibenzofuran	BRL		0.045	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Diethyl phthalate	BRL		0.054	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Dimethyl phthalate	BRL		0.032	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Fluoranthene	BRL		0.042	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Fluorene	BRL		0.040	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Hexachlorobenzene	BRL		0.11	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Hexachlorobutadiene	BRL		0.050	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Hexachlorocyclopentadiene	BRL		0.053	1.1	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Hexachloroethane	BRL		0.080	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Indeno(1,2,3-cd)pyrene	BRL		0.039	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Isophorone	BRL		0.031	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
N-Nitrosodi-n-propylamine	BRL		0.030	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
N-Nitrosodiphenylamine	BRL		0.040	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Naphthalene	BRL		0.031	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Nitrobenzene	BRL		0.049	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Pentachlorophenol	BRL		0.043	2.8	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Phenanthrene	BRL		0.052	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Phenol	BRL		0.040	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Pyrene	BRL		0.053	0.54	mg/Kg-dry	196951	1	11/06/2014 22:12	YH
Surr: 2,4,6-Tribromophenol	99.9		0	40.2-120	%REC	196951	1	11/06/2014 22:12	YH
Surr: 2-Fluorobiphenyl	100		0	45.6-120	%REC	196951	1	11/06/2014 22:12	YH
Surr: 2-Fluorophenol	90.1		0	35.2-120	%REC	196951	1	11/06/2014 22:12	YH
Surr: 4-Terphenyl-d14	96.2		0	51-121	%REC	196951	1	11/06/2014 22:12	YH
Surr: Nitrobenzene-d5	96.3		0	37.8-120	%REC	196951	1	11/06/2014 22:12	YH
Surr: Phenol-d5	95.6		0	39.9-120	%REC	196951	1	11/06/2014 22:12	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00061	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,1,2,2-Tetrachloroethane	BRL		0.0016	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,1,2-Trichloroethane	BRL		0.00077	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,1-Dichloroethane	BRL		0.00048	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,1-Dichloroethene	BRL		0.00073	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X001XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:00:00 PM
Lab ID:	1411153-019	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
1,2,4-Trichlorobenzene	BRL		0.0010	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,2-Dibromo-3-chloropropane	BRL		0.00047	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,2-Dibromoethane	BRL		0.00054	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,2-Dichlorobenzene	BRL		0.0020	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,2-Dichloroethane	BRL		0.00083	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,2-Dichloropropane	BRL		0.00051	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,3-Dichlorobenzene	BRL		0.0023	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
1,4-Dichlorobenzene	BRL		0.00063	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
2-Butanone	BRL		0.013	0.064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
2-Hexanone	BRL		0.0020	0.013	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
4-Methyl-2-pentanone	BRL		0.0011	0.013	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Acetone	BRL		0.016	0.13	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Benzene	BRL		0.0018	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Bromodichloromethane	BRL		0.00063	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Bromoform	BRL		0.00093	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Bromomethane	BRL		0.0021	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Carbon disulfide	BRL		0.0047	0.013	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Carbon tetrachloride	BRL		0.00082	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Chlorobenzene	BRL		0.00054	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Chloroethane	BRL		0.00055	0.013	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Chloroform	BRL		0.00054	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Chloromethane	BRL		0.00060	0.013	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
cis-1,2-Dichloroethene	BRL		0.00068	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
cis-1,3-Dichloropropene	BRL		0.00053	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Cyclohexane	BRL		0.0018	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Dibromochloromethane	BRL		0.00061	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Dichlorodifluoromethane	BRL		0.00093	0.013	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Ethylbenzene	BRL		0.00053	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Freon-113	BRL		0.00093	0.013	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Isopropylbenzene	BRL		0.00067	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
m,p-Xylene	BRL		0.0010	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Methyl acetate	BRL		0.0012	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Methyl tert-butyl ether	BRL		0.00077	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Methylcyclohexane	BRL		0.00097	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Methylene chloride	0.019	J	0.00078	0.025	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
o-Xylene	BRL		0.00041	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Styrene	BRL		0.00053	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Tetrachloroethene	BRL		0.00053	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Toluene	BRL		0.0013	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
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- E Estimated value above quantitation range
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- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X001XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:00:00 PM
Lab ID:	1411153-019	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
trans-1,2-Dichloroethene	BRL		0.00081	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
trans-1,3-Dichloropropene	BRL		0.00049	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Trichloroethene	BRL		0.00092	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Trichlorofluoromethane	BRL		0.0013	0.0064	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Vinyl chloride	BRL		0.0011	0.013	mg/Kg-dry	198845	1	11/07/2014 04:42	MD
Surr: 4-Bromofluorobenzene	89.8		0	70-128	%REC	198845	1	11/07/2014 04:42	MD
Surr: Dibromofluoromethane	94.5		0	78.2-128	%REC	198845	1	11/07/2014 04:42	MD
Surr: Toluene-d8	96.4		0	76.5-116	%REC	198845	1	11/07/2014 04:42	MD
PERCENT MOISTURE D2216									
Percent Moisture	38.9		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-04X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 12:00:00 PM
Lab ID:	1411153-020	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.041	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2,4,5-Trichlorophenol	BRL		0.062	2.7	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2,4,6-Trichlorophenol	BRL		0.033	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2,4-Dichlorophenol	BRL		0.031	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2,4-Dimethylphenol	BRL		0.050	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2,4-Dinitrophenol	BRL		0.54	2.7	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2,4-Dinitrotoluene	BRL		0.050	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2,6-Dinitrotoluene	BRL		0.060	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2-Chloronaphthalene	BRL		0.034	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2-Chlorophenol	BRL		0.049	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2-Methylnaphthalene	BRL		0.053	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2-Methylphenol	BRL		0.051	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2-Nitroaniline	BRL		0.053	2.7	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
2-Nitrophenol	BRL		0.066	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
3,3´-Dichlorobenzidine	BRL		0.068	1.1	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
3-Nitroaniline	BRL		0.054	2.7	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
4,6-Dinitro-2-methylphenol	BRL		0.038	2.7	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
4-Bromophenyl phenyl ether	BRL		0.050	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
4-Chloro-3-methylphenol	BRL		0.029	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
4-Chloroaniline	BRL		0.081	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
4-Chlorophenyl phenyl ether	BRL		0.059	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
4-Methylphenol	BRL		0.091	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
4-Nitroaniline	BRL		0.059	2.7	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
4-Nitrophenol	BRL		0.49	2.7	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Acenaphthene	BRL		0.061	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Acenaphthylene	BRL		0.032	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Acetophenone	BRL		0.024	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Anthracene	BRL		0.046	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Atrazine	BRL		0.055	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Benz(a)anthracene	BRL		0.038	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Benzaldehyde	BRL		0.087	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Benzo(a)pyrene	BRL		0.047	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Benzo(b)fluoranthene	BRL		0.045	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Benzo(g,h,i)perylene	BRL		0.048	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Benzo(k)fluoranthene	BRL		0.073	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Bis(2-chloroethoxy)methane	BRL		0.035	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Bis(2-chloroethyl)ether	BRL		0.086	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Bis(2-chloroisopropyl)ether	BRL		0.038	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Bis(2-ethylhexyl)phthalate	BRL		0.045	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-04X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 12:00:00 PM
Lab ID:	1411153-020	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.046	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Caprolactam	BRL		0.046	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Carbazole	BRL		0.059	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Chrysene	BRL		0.057	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Di-n-butyl phthalate	BRL		0.050	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Di-n-octyl phthalate	BRL		0.028	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Dibenz(a,h)anthracene	BRL		0.044	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Dibenzofuran	BRL		0.044	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Diethyl phthalate	BRL		0.053	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Dimethyl phthalate	BRL		0.032	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Fluoranthene	BRL		0.041	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Fluorene	BRL		0.039	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Hexachlorobenzene	BRL		0.10	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Hexachlorobutadiene	BRL		0.049	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Hexachlorocyclopentadiene	BRL		0.052	1.1	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Hexachloroethane	BRL		0.078	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Indeno(1,2,3-cd)pyrene	BRL		0.039	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Isophorone	BRL		0.030	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
N-Nitrosodi-n-propylamine	BRL		0.030	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
N-Nitrosodiphenylamine	BRL		0.040	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Naphthalene	BRL		0.031	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Nitrobenzene	BRL		0.048	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Pentachlorophenol	BRL		0.042	2.7	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Phenanthrene	BRL		0.051	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Phenol	BRL		0.039	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Pyrene	BRL		0.052	0.53	mg/Kg-dry	196951	1	11/06/2014 22:39	YH
Surr: 2,4,6-Tribromophenol	97.6		0	40.2-120	%REC	196951	1	11/06/2014 22:39	YH
Surr: 2-Fluorobiphenyl	96.3		0	45.6-120	%REC	196951	1	11/06/2014 22:39	YH
Surr: 2-Fluorophenol	89.9		0	35.2-120	%REC	196951	1	11/06/2014 22:39	YH
Surr: 4-Terphenyl-d14	88.6		0	51-121	%REC	196951	1	11/06/2014 22:39	YH
Surr: Nitrobenzene-d5	92.5		0	37.8-120	%REC	196951	1	11/06/2014 22:39	YH
Surr: Phenol-d5	94.5		0	39.9-120	%REC	196951	1	11/06/2014 22:39	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00054	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,1,2,2-Tetrachloroethane	BRL		0.0014	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,1,2-Trichloroethane	BRL		0.00068	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,1-Dichloroethane	BRL		0.00042	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,1-Dichloroethene	BRL		0.00065	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-04X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 12:00:00 PM
Lab ID:	1411153-020	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00090	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,2-Dibromo-3-chloropropane	BRL		0.00042	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,2-Dibromoethane	BRL		0.00048	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,2-Dichlorobenzene	BRL		0.0017	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,2-Dichloroethane	BRL		0.00074	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,2-Dichloropropane	BRL		0.00046	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,3-Dichlorobenzene	BRL		0.0020	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
1,4-Dichlorobenzene	BRL		0.00056	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
2-Butanone	BRL		0.012	0.057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
2-Hexanone	BRL		0.0017	0.011	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
4-Methyl-2-pentanone	BRL		0.00097	0.011	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Acetone	BRL		0.014	0.11	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Benzene	BRL		0.0016	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Bromodichloromethane	BRL		0.00056	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Bromoform	BRL		0.00083	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Bromomethane	BRL		0.0019	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Carbon disulfide	BRL		0.0042	0.011	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Carbon tetrachloride	BRL		0.00073	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Chlorobenzene	BRL		0.00048	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Chloroethane	BRL		0.00049	0.011	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Chloroform	BRL		0.00048	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Chloromethane	BRL		0.00053	0.011	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
cis-1,2-Dichloroethene	BRL		0.00061	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
cis-1,3-Dichloropropene	BRL		0.00047	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Cyclohexane	BRL		0.0016	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Dibromochloromethane	BRL		0.00054	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Dichlorodifluoromethane	BRL		0.00083	0.011	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Ethylbenzene	BRL		0.00047	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Freon-113	BRL		0.00082	0.011	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Isopropylbenzene	BRL		0.00060	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
m,p-Xylene	BRL		0.00092	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Methyl acetate	BRL		0.0011	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Methyl tert-butyl ether	BRL		0.00069	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Methylcyclohexane	BRL		0.00087	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Methylene chloride	0.0084	J	0.00069	0.023	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
o-Xylene	BRL		0.00037	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Styrene	BRL		0.00047	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Tetrachloroethene	BRL		0.00048	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Toluene	BRL		0.0012	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-04X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 12:00:00 PM
Lab ID:	1411153-020	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
trans-1,2-Dichloroethene	BRL		0.00072	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
trans-1,3-Dichloropropene	BRL		0.00044	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Trichloroethene	BRL		0.00082	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Trichlorofluoromethane	BRL		0.0011	0.0057	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Vinyl chloride	BRL		0.00095	0.011	mg/Kg-dry	198845	1	11/07/2014 13:30	MD
Surr: 4-Bromofluorobenzene	92		0	70-128	%REC	198845	1	11/07/2014 13:30	MD
Surr: Dibromofluoromethane	95.6		0	78.2-128	%REC	198845	1	11/07/2014 13:30	MD
Surr: Toluene-d8	97.1		0	76.5-116	%REC	198845	1	11/07/2014 13:30	MD
PERCENT MOISTURE D2216									
Percent Moisture	37.7		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-02X001XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:15:00 PM
Lab ID:	1411153-021	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.028	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2,4,5-Trichlorophenol	BRL		0.043	1.9	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2,4,6-Trichlorophenol	BRL		0.023	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2,4-Dichlorophenol	BRL		0.021	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2,4-Dimethylphenol	BRL		0.035	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2,4-Dinitrophenol	BRL		0.37	1.9	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2,4-Dinitrotoluene	BRL		0.034	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2,6-Dinitrotoluene	BRL		0.041	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2-Chloronaphthalene	BRL		0.024	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2-Chlorophenol	BRL		0.034	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2-Methylnaphthalene	BRL		0.037	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2-Methylphenol	BRL		0.035	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2-Nitroaniline	BRL		0.037	1.9	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
2-Nitrophenol	BRL		0.046	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
3,3´-Dichlorobenzidine	BRL		0.047	0.75	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
3-Nitroaniline	BRL		0.037	1.9	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
4,6-Dinitro-2-methylphenol	BRL		0.026	1.9	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
4-Bromophenyl phenyl ether	BRL		0.035	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
4-Chloro-3-methylphenol	BRL		0.020	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
4-Chloroaniline	BRL		0.056	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
4-Chlorophenyl phenyl ether	BRL		0.041	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
4-Methylphenol	BRL		0.063	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
4-Nitroaniline	BRL		0.041	1.9	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
4-Nitrophenol	BRL		0.34	1.9	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Acenaphthene	BRL		0.043	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Acenaphthylene	BRL		0.022	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Acetophenone	BRL		0.017	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Anthracene	BRL		0.032	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Atrazine	BRL		0.038	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Benz(a)anthracene	BRL		0.026	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Benzaldehyde	BRL		0.060	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Benzo(a)pyrene	BRL		0.032	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Benzo(b)fluoranthene	BRL		0.031	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Benzo(g,h,i)perylene	BRL		0.034	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Benzo(k)fluoranthene	BRL		0.051	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Bis(2-chloroethoxy)methane	BRL		0.024	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Bis(2-chloroethyl)ether	BRL		0.060	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Bis(2-chloroisopropyl)ether	BRL		0.026	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Bis(2-ethylhexyl)phthalate	BRL		0.031	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH

Qualifiers:

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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-02X001XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:15:00 PM
Lab ID:	1411153-021	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.032	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Caprolactam	BRL		0.032	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Carbazole	BRL		0.041	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Chrysene	BRL		0.040	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Di-n-butyl phthalate	BRL		0.035	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Di-n-octyl phthalate	BRL		0.020	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Dibenz(a,h)anthracene	BRL		0.031	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Dibenzofuran	BRL		0.031	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Diethyl phthalate	BRL		0.037	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Dimethyl phthalate	BRL		0.022	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Fluoranthene	BRL		0.028	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Fluorene	BRL		0.027	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Hexachlorobenzene	BRL		0.072	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Hexachlorobutadiene	BRL		0.034	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Hexachlorocyclopentadiene	BRL		0.036	0.73	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Hexachloroethane	BRL		0.054	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Indeno(1,2,3-cd)pyrene	BRL		0.027	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Isophorone	BRL		0.021	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
N-Nitrosodi-n-propylamine	BRL		0.021	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
N-Nitrosodiphenylamine	BRL		0.028	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Naphthalene	BRL		0.021	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Nitrobenzene	BRL		0.033	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Pentachlorophenol	BRL		0.029	1.9	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Phenanthrene	BRL		0.035	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Phenol	BRL		0.027	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Pyrene	BRL		0.036	0.37	mg/Kg-dry	196951	1	11/06/2014 17:10	YH
Surr: 2,4,6-Tribromophenol	88.7		0	40.2-120	%REC	196951	1	11/06/2014 17:10	YH
Surr: 2-Fluorobiphenyl	80.7		0	45.6-120	%REC	196951	1	11/06/2014 17:10	YH
Surr: 2-Fluorophenol	68.1		0	35.2-120	%REC	196951	1	11/06/2014 17:10	YH
Surr: 4-Terphenyl-d14	90.9		0	51-121	%REC	196951	1	11/06/2014 17:10	YH
Surr: Nitrobenzene-d5	66.6		0	37.8-120	%REC	196951	1	11/06/2014 17:10	YH
Surr: Phenol-d5	75.6		0	39.9-120	%REC	196951	1	11/06/2014 17:10	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00062	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,1,2,2-Tetrachloroethane	BRL		0.0016	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,1,2-Trichloroethane	BRL		0.00078	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,1-Dichloroethane	BRL		0.00048	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,1-Dichloroethene	BRL		0.00075	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-02X001XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:15:00 PM
Lab ID:	1411153-021	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.0010	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,2-Dibromo-3-chloropropane	BRL		0.00048	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,2-Dibromoethane	BRL		0.00056	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,2-Dichlorobenzene	BRL		0.0020	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,2-Dichloroethane	BRL		0.00084	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,2-Dichloropropane	BRL		0.00052	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,3-Dichlorobenzene	BRL		0.0023	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
1,4-Dichlorobenzene	BRL		0.00064	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
2-Butanone	BRL		0.013	0.065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
2-Hexanone	BRL		0.0020	0.013	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
4-Methyl-2-pentanone	BRL		0.0011	0.013	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Acetone	BRL		0.017	0.13	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Benzene	BRL		0.0018	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Bromodichloromethane	BRL		0.00064	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Bromoform	BRL		0.00095	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Bromomethane	BRL		0.0022	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Carbon disulfide	BRL		0.0048	0.013	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Carbon tetrachloride	BRL		0.00084	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Chlorobenzene	BRL		0.00055	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Chloroethane	BRL		0.00056	0.013	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Chloroform	BRL		0.00056	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Chloromethane	BRL		0.00061	0.013	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
cis-1,2-Dichloroethene	BRL		0.00069	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
cis-1,3-Dichloropropene	BRL		0.00054	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Cyclohexane	BRL		0.0019	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Dibromochloromethane	BRL		0.00062	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Dichlorodifluoromethane	BRL		0.00095	0.013	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Ethylbenzene	BRL		0.00054	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Freon-113	BRL		0.00094	0.013	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Isopropylbenzene	BRL		0.00069	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
m,p-Xylene	BRL		0.0011	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Methyl acetate	BRL		0.0013	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Methyl tert-butyl ether	BRL		0.00078	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Methylcyclohexane	BRL		0.00099	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Methylene chloride	0.022	J	0.00079	0.026	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
o-Xylene	BRL		0.00042	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Styrene	BRL		0.00054	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Tetrachloroethene	BRL		0.00054	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Toluene	BRL		0.0014	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
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- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-02X001XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:15:00 PM
Lab ID:	1411153-021	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00083	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
trans-1,3-Dichloropropene	BRL		0.00050	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Trichloroethene	BRL		0.00094	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Trichlorofluoromethane	BRL		0.0013	0.0065	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Vinyl chloride	BRL		0.0011	0.013	mg/Kg-dry	198845	1	11/07/2014 05:41	MD
Surr: 4-Bromofluorobenzene	89.1		0	70-128	%REC	198845	1	11/07/2014 05:41	MD
Surr: Dibromofluoromethane	95		0	78.2-128	%REC	198845	1	11/07/2014 05:41	MD
Surr: Toluene-d8	94.8		0	76.5-116	%REC	198845	1	11/07/2014 05:41	MD
PERCENT MOISTURE D2216									
Percent Moisture	10.2		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002MD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-022	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.040	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2,4,5-Trichlorophenol	BRL		0.060	2.7	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2,4,6-Trichlorophenol	BRL		0.032	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2,4-Dichlorophenol	BRL		0.030	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2,4-Dimethylphenol	BRL		0.049	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2,4-Dinitrophenol	BRL		0.52	2.7	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2,4-Dinitrotoluene	BRL		0.048	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2,6-Dinitrotoluene	BRL		0.058	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2-Chloronaphthalene	BRL		0.033	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2-Chlorophenol	BRL		0.047	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2-Methylnaphthalene	BRL		0.051	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2-Methylphenol	BRL		0.050	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2-Nitroaniline	BRL		0.051	2.7	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
2-Nitrophenol	BRL		0.064	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
3,3´-Dichlorobenzidine	BRL		0.066	1.0	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
3-Nitroaniline	BRL		0.053	2.7	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
4,6-Dinitro-2-methylphenol	BRL		0.037	2.7	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
4-Bromophenyl phenyl ether	BRL		0.049	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
4-Chloro-3-methylphenol	BRL		0.028	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
4-Chloroaniline	BRL		0.079	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
4-Chlorophenyl phenyl ether	BRL		0.057	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
4-Methylphenol	BRL		0.088	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
4-Nitroaniline	BRL		0.057	2.7	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
4-Nitrophenol	BRL		0.47	2.7	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Acenaphthene	BRL		0.060	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Acenaphthylene	BRL		0.032	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Acetophenone	BRL		0.024	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Anthracene	BRL		0.044	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Atrazine	BRL		0.053	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Benz(a)anthracene	BRL		0.037	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Benzaldehyde	BRL		0.084	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Benzo(a)pyrene	BRL		0.045	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Benzo(b)fluoranthene	BRL		0.044	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Benzo(g,h,i)perylene	BRL		0.047	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Benzo(k)fluoranthene	BRL		0.071	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Bis(2-chloroethoxy)methane	BRL		0.034	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Bis(2-chloroethyl)ether	BRL		0.084	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Bis(2-chloroisopropyl)ether	BRL		0.037	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Bis(2-ethylhexyl)phthalate	BRL		0.043	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002MD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-022	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.045	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Caprolactam	BRL		0.044	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Carbazole	BRL		0.058	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Chrysene	BRL		0.055	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Di-n-butyl phthalate	BRL		0.049	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Di-n-octyl phthalate	BRL		0.028	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Dibenz(a,h)anthracene	BRL		0.043	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Dibenzofuran	BRL		0.043	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Diethyl phthalate	BRL		0.052	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Dimethyl phthalate	BRL		0.031	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Fluoranthene	BRL		0.040	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Fluorene	BRL		0.038	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Hexachlorobenzene	BRL		0.10	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Hexachlorobutadiene	BRL		0.048	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Hexachlorocyclopentadiene	BRL		0.051	1.0	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Hexachloroethane	BRL		0.076	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Indeno(1,2,3-cd)pyrene	BRL		0.038	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Isophorone	BRL		0.030	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
N-Nitrosodi-n-propylamine	BRL		0.029	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
N-Nitrosodiphenylamine	BRL		0.039	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Naphthalene	BRL		0.030	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Nitrobenzene	BRL		0.047	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Pentachlorophenol	BRL		0.041	2.7	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Phenanthrene	BRL		0.049	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Phenol	BRL		0.038	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Pyrene	BRL		0.050	0.51	mg/Kg-dry	196951	1	11/06/2014 23:05	YH
Surr: 2,4,6-Tribromophenol	97.8		0	40.2-120	%REC	196951	1	11/06/2014 23:05	YH
Surr: 2-Fluorobiphenyl	87		0	45.6-120	%REC	196951	1	11/06/2014 23:05	YH
Surr: 2-Fluorophenol	84		0	35.2-120	%REC	196951	1	11/06/2014 23:05	YH
Surr: 4-Terphenyl-d14	90.9		0	51-121	%REC	196951	1	11/06/2014 23:05	YH
Surr: Nitrobenzene-d5	85.5		0	37.8-120	%REC	196951	1	11/06/2014 23:05	YH
Surr: Phenol-d5	93.1		0	39.9-120	%REC	196951	1	11/06/2014 23:05	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00050	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,1,2,2-Tetrachloroethane	BRL		0.0013	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,1,2-Trichloroethane	BRL		0.00063	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,1-Dichloroethane	BRL		0.00039	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,1-Dichloroethene	BRL		0.00060	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002MD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-022	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
1,2,4-Trichlorobenzene	BRL		0.00082	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,2-Dibromo-3-chloropropane	BRL		0.00038	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,2-Dibromoethane	BRL		0.00044	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,2-Dichlorobenzene	BRL		0.0016	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,2-Dichloroethane	BRL		0.00067	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,2-Dichloropropane	BRL		0.00042	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,3-Dichlorobenzene	BRL		0.0018	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
1,4-Dichlorobenzene	BRL		0.00052	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
2-Butanone	BRL		0.011	0.052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
2-Hexanone	BRL		0.0016	0.010	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
4-Methyl-2-pentanone	BRL		0.00089	0.010	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Acetone	BRL		0.013	0.10	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Benzene	BRL		0.0015	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Bromodichloromethane	BRL		0.00051	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Bromoform	BRL		0.00076	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Bromomethane	BRL		0.0017	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Carbon disulfide	BRL		0.0038	0.010	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Carbon tetrachloride	BRL		0.00067	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Chlorobenzene	BRL		0.00044	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Chloroethane	BRL		0.00045	0.010	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Chloroform	BRL		0.00044	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Chloromethane	BRL		0.00049	0.010	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
cis-1,2-Dichloroethene	BRL		0.00055	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
cis-1,3-Dichloropropene	BRL		0.00043	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Cyclohexane	BRL		0.0015	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Dibromochloromethane	BRL		0.00050	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Dichlorodifluoromethane	BRL		0.00076	0.010	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Ethylbenzene	BRL		0.00043	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Freon-113	BRL		0.00075	0.010	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Isopropylbenzene	BRL		0.00055	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
m,p-Xylene	BRL		0.00084	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Methyl acetate	BRL		0.0010	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Methyl tert-butyl ether	BRL		0.00063	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Methylcyclohexane	BRL		0.00079	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Methylene chloride	0.013	J	0.00063	0.021	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
o-Xylene	BRL		0.00034	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Styrene	BRL		0.00043	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Tetrachloroethene	BRL		0.00044	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Toluene	BRL		0.0011	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002MD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-022	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
trans-1,2-Dichloroethene	BRL		0.00066	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
trans-1,3-Dichloropropene	BRL		0.00040	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Trichloroethene	BRL		0.00075	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Trichlorofluoromethane	BRL		0.0010	0.0052	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Vinyl chloride	BRL		0.00087	0.010	mg/Kg-dry	198845	1	11/07/2014 06:11	MD
Surr: 4-Bromofluorobenzene	90.8		0	70-128	%REC	198845	1	11/07/2014 06:11	MD
Surr: Dibromofluoromethane	96.4		0	78.2-128	%REC	198845	1	11/07/2014 06:11	MD
Surr: Toluene-d8	96.1		0	76.5-116	%REC	198845	1	11/07/2014 06:11	MD
PERCENT MOISTURE D2216									
Percent Moisture	35.9		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-05X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:35:00 PM
Lab ID:	1411153-023	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.033	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2,4,5-Trichlorophenol	BRL		0.050	2.2	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2,4,6-Trichlorophenol	BRL		0.027	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2,4-Dichlorophenol	BRL		0.025	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2,4-Dimethylphenol	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2,4-Dinitrophenol	BRL		0.43	2.2	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2,4-Dinitrotoluene	BRL		0.040	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2,6-Dinitrotoluene	BRL		0.048	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2-Chloronaphthalene	BRL		0.028	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2-Chlorophenol	BRL		0.040	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2-Methylnaphthalene	BRL		0.043	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2-Methylphenol	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2-Nitroaniline	BRL		0.043	2.2	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
2-Nitrophenol	BRL		0.054	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
3,3´-Dichlorobenzidine	BRL		0.055	0.87	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
3-Nitroaniline	BRL		0.044	2.2	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
4,6-Dinitro-2-methylphenol	BRL		0.031	2.2	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
4-Bromophenyl phenyl ether	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
4-Chloro-3-methylphenol	BRL		0.024	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
4-Chloroaniline	BRL		0.066	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
4-Chlorophenyl phenyl ether	BRL		0.048	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
4-Methylphenol	BRL		0.074	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
4-Nitroaniline	BRL		0.048	2.2	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
4-Nitrophenol	BRL		0.39	2.2	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Acenaphthene	BRL		0.050	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Acenaphthylene	BRL		0.026	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Acetophenone	BRL		0.020	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Anthracene	BRL		0.037	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Atrazine	BRL		0.045	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Benz(a)anthracene	BRL		0.031	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Benzaldehyde	BRL		0.070	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Benzo(a)pyrene	BRL		0.038	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Benzo(b)fluoranthene	BRL		0.036	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Benzo(g,h,i)perylene	BRL		0.039	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Benzo(k)fluoranthene	BRL		0.060	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Bis(2-chloroethoxy)methane	BRL		0.028	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Bis(2-chloroethyl)ether	BRL		0.070	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Bis(2-chloroisopropyl)ether	BRL		0.031	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Bis(2-ethylhexyl)phthalate	BRL		0.036	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-05X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:35:00 PM
Lab ID:	1411153-023	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.038	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Caprolactam	BRL		0.037	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Carbazole	BRL		0.048	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Chrysene	BRL		0.046	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Di-n-butyl phthalate	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Di-n-octyl phthalate	BRL		0.023	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Dibenz(a,h)anthracene	BRL		0.036	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Dibenzofuran	BRL		0.036	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Diethyl phthalate	0.048	J	0.043	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Dimethyl phthalate	BRL		0.026	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Fluoranthene	BRL		0.033	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Fluorene	BRL		0.032	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Hexachlorobenzene	BRL		0.084	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Hexachlorobutadiene	BRL		0.040	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Hexachlorocyclopentadiene	BRL		0.042	0.86	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Hexachloroethane	BRL		0.064	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Indeno(1,2,3-cd)pyrene	BRL		0.031	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Isophorone	BRL		0.025	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
N-Nitrosodi-n-propylamine	BRL		0.024	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
N-Nitrosodiphenylamine	BRL		0.032	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Naphthalene	BRL		0.025	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Nitrobenzene	BRL		0.039	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Pentachlorophenol	BRL		0.034	2.2	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Phenanthrene	BRL		0.041	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Phenol	BRL		0.032	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Pyrene	BRL		0.042	0.43	mg/Kg-dry	196951	1	11/06/2014 17:35	YH
Surr: 2,4,6-Tribromophenol	102		0	40.2-120	%REC	196951	1	11/06/2014 17:35	YH
Surr: 2-Fluorobiphenyl	91.2		0	45.6-120	%REC	196951	1	11/06/2014 17:35	YH
Surr: 2-Fluorophenol	90.6		0	35.2-120	%REC	196951	1	11/06/2014 17:35	YH
Surr: 4-Terphenyl-d14	103		0	51-121	%REC	196951	1	11/06/2014 17:35	YH
Surr: Nitrobenzene-d5	79.9		0	37.8-120	%REC	196951	1	11/06/2014 17:35	YH
Surr: Phenol-d5	89.1		0	39.9-120	%REC	196951	1	11/06/2014 17:35	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00034	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,1,2,2-Tetrachloroethane	BRL		0.00089	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,1,2-Trichloroethane	BRL		0.00043	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,1-Dichloroethane	BRL		0.00027	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,1-Dichloroethene	BRL		0.00041	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-05X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:35:00 PM
Lab ID:	1411153-023	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00056	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,2-Dibromo-3-chloropropane	BRL		0.00026	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,2-Dibromoethane	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,2-Dichlorobenzene	BRL		0.0011	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,2-Dichloroethane	BRL		0.00046	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,2-Dichloropropane	BRL		0.00029	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,3-Dichlorobenzene	BRL		0.0013	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
1,4-Dichlorobenzene	BRL		0.00035	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
2-Butanone	BRL		0.0073	0.036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
2-Hexanone	BRL		0.0011	0.0071	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
4-Methyl-2-pentanone	BRL		0.00061	0.0071	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Acetone	BRL		0.0091	0.071	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Benzene	BRL		0.0010	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Bromodichloromethane	BRL		0.00035	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Bromoform	BRL		0.00052	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Bromomethane	BRL		0.0012	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Carbon disulfide	BRL		0.0026	0.0071	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Carbon tetrachloride	BRL		0.00046	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Chlorobenzene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Chloroethane	BRL		0.00031	0.0071	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Chloroform	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Chloromethane	BRL		0.00034	0.0071	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
cis-1,2-Dichloroethene	BRL		0.00038	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
cis-1,3-Dichloropropene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Cyclohexane	BRL		0.0010	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Dibromochloromethane	BRL		0.00034	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Dichlorodifluoromethane	BRL		0.00052	0.0071	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Ethylbenzene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Freon-113	BRL		0.00052	0.0071	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Isopropylbenzene	BRL		0.00038	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
m,p-Xylene	BRL		0.00058	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Methyl acetate	BRL		0.00069	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Methyl tert-butyl ether	BRL		0.00043	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Methylcyclohexane	BRL		0.00054	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Methylene chloride	0.011	J	0.00043	0.014	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
o-Xylene	BRL		0.00023	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Styrene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Tetrachloroethene	BRL		0.00030	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Toluene	BRL		0.00075	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD

Qualifiers:

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- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-05X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:35:00 PM
Lab ID:	1411153-023	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00046	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
trans-1,3-Dichloropropene	BRL		0.00027	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Trichloroethene	BRL		0.00052	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Trichlorofluoromethane	BRL		0.00071	0.0036	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Vinyl chloride	BRL		0.00060	0.0071	mg/Kg-dry	198845	1	11/07/2014 06:40	MD
Surr: 4-Bromofluorobenzene	91.5		0	70-128	%REC	198845	1	11/07/2014 06:40	MD
Surr: Dibromofluoromethane	96.1		0	78.2-128	%REC	198845	1	11/07/2014 06:40	MD
Surr: Toluene-d8	96.3		0	76.5-116	%REC	198845	1	11/07/2014 06:40	MD
PERCENT MOISTURE D2216									
Percent Moisture	23.2		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-02X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:45:00 PM
Lab ID:	1411153-024	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.034	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2,4,5-Trichlorophenol	BRL		0.051	2.3	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2,4,6-Trichlorophenol	BRL		0.027	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2,4-Dichlorophenol	BRL		0.025	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2,4-Dimethylphenol	BRL		0.042	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2,4-Dinitrophenol	BRL		0.44	2.3	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2,4-Dinitrotoluene	BRL		0.041	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2,6-Dinitrotoluene	BRL		0.049	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2-Chloronaphthalene	BRL		0.028	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2-Chlorophenol	BRL		0.040	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2-Methylnaphthalene	BRL		0.044	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2-Methylphenol	BRL		0.042	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2-Nitroaniline	BRL		0.044	2.3	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
2-Nitrophenol	BRL		0.055	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
3,3´-Dichlorobenzidine	BRL		0.056	0.89	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
3-Nitroaniline	BRL		0.045	2.3	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
4,6-Dinitro-2-methylphenol	BRL		0.031	2.3	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
4-Bromophenyl phenyl ether	BRL		0.041	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
4-Chloro-3-methylphenol	BRL		0.024	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
4-Chloroaniline	BRL		0.067	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
4-Chlorophenyl phenyl ether	BRL		0.049	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
4-Methylphenol	BRL		0.075	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
4-Nitroaniline	BRL		0.049	2.3	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
4-Nitrophenol	BRL		0.40	2.3	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Acenaphthene	BRL		0.051	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Acenaphthylene	BRL		0.027	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Acetophenone	BRL		0.020	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Anthracene	BRL		0.038	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Atrazine	BRL		0.045	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Benz(a)anthracene	BRL		0.031	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Benzaldehyde	BRL		0.072	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Benzo(a)pyrene	BRL		0.039	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Benzo(b)fluoranthene	BRL		0.037	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Benzo(g,h,i)perylene	BRL		0.040	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Benzo(k)fluoranthene	BRL		0.061	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Bis(2-chloroethoxy)methane	BRL		0.029	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Bis(2-chloroethyl)ether	BRL		0.071	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Bis(2-chloroisopropyl)ether	BRL		0.031	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Bis(2-ethylhexyl)phthalate	BRL		0.037	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
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- NC Not confirmed
- E Estimated value above quantitation range
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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-02X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:45:00 PM
Lab ID:	1411153-024	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.038	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Caprolactam	BRL		0.038	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Carbazole	BRL		0.049	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Chrysene	BRL		0.047	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Di-n-butyl phthalate	BRL		0.042	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Di-n-octyl phthalate	BRL		0.023	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Dibenz(a,h)anthracene	BRL		0.037	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Dibenzofuran	BRL		0.037	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Diethyl phthalate	BRL		0.044	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Dimethyl phthalate	BRL		0.026	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Fluoranthene	BRL		0.034	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Fluorene	BRL		0.032	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Hexachlorobenzene	BRL		0.086	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Hexachlorobutadiene	BRL		0.041	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Hexachlorocyclopentadiene	BRL		0.043	0.88	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Hexachloroethane	BRL		0.065	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Indeno(1,2,3-cd)pyrene	BRL		0.032	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Isophorone	BRL		0.025	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
N-Nitrosodi-n-propylamine	BRL		0.025	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
N-Nitrosodiphenylamine	BRL		0.033	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Naphthalene	BRL		0.025	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Nitrobenzene	BRL		0.040	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Pentachlorophenol	BRL		0.035	2.3	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Phenanthrene	BRL		0.042	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Phenol	BRL		0.032	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Pyrene	BRL		0.043	0.44	mg/Kg-dry	196951	1	11/06/2014 18:01	YH
Surr: 2,4,6-Tribromophenol	98.2		0	40.2-120	%REC	196951	1	11/06/2014 18:01	YH
Surr: 2-Fluorobiphenyl	91.4		0	45.6-120	%REC	196951	1	11/06/2014 18:01	YH
Surr: 2-Fluorophenol	91.3		0	35.2-120	%REC	196951	1	11/06/2014 18:01	YH
Surr: 4-Terphenyl-d14	103		0	51-121	%REC	196951	1	11/06/2014 18:01	YH
Surr: Nitrobenzene-d5	84.6		0	37.8-120	%REC	196951	1	11/06/2014 18:01	YH
Surr: Phenol-d5	95.6		0	39.9-120	%REC	196951	1	11/06/2014 18:01	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00038	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,1,2,2-Tetrachloroethane	BRL		0.00098	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,1,2-Trichloroethane	BRL		0.00048	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,1-Dichloroethane	BRL		0.00029	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,1-Dichloroethene	BRL		0.00046	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD

Qualifiers:

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- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-02X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:45:00 PM
Lab ID:	1411153-024	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
1,2,4-Trichlorobenzene	BRL		0.00063	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,2-Dibromo-3-chloropropane	BRL		0.00029	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,2-Dibromoethane	BRL		0.00034	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,2-Dichlorobenzene	BRL		0.0012	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,2-Dichloroethane	BRL		0.00051	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,2-Dichloropropane	BRL		0.00032	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,3-Dichlorobenzene	BRL		0.0014	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
1,4-Dichlorobenzene	BRL		0.00039	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
2-Butanone	BRL		0.0080	0.039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
2-Hexanone	BRL		0.0012	0.0079	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
4-Methyl-2-pentanone	BRL		0.00067	0.0079	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Acetone	BRL		0.010	0.079	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Benzene	BRL		0.0011	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Bromodichloromethane	BRL		0.00039	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Bromoform	BRL		0.00058	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Bromomethane	BRL		0.0013	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Carbon disulfide	BRL		0.0029	0.0079	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Carbon tetrachloride	BRL		0.00051	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Chlorobenzene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Chloroethane	BRL		0.00034	0.0079	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Chloroform	BRL		0.00034	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Chloromethane	BRL		0.00037	0.0079	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
cis-1,2-Dichloroethene	BRL		0.00042	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
cis-1,3-Dichloropropene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Cyclohexane	BRL		0.0011	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Dibromochloromethane	BRL		0.00038	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Dichlorodifluoromethane	BRL		0.00058	0.0079	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Ethylbenzene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Freon-113	BRL		0.00057	0.0079	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Isopropylbenzene	BRL		0.00042	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
m,p-Xylene	BRL		0.00064	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Methyl acetate	BRL		0.00076	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Methyl tert-butyl ether	BRL		0.00048	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Methylcyclohexane	BRL		0.00060	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Methylene chloride	0.0095	J	0.00048	0.016	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
o-Xylene	BRL		0.00026	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Styrene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Tetrachloroethene	BRL		0.00033	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Toluene	BRL		0.00083	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD

Qualifiers:

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- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-04-02X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:45:00 PM
Lab ID:	1411153-024	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
trans-1,2-Dichloroethene	BRL		0.00050	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
trans-1,3-Dichloropropene	BRL		0.00030	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Trichloroethene	BRL		0.00057	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Trichlorofluoromethane	BRL		0.00079	0.0039	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Vinyl chloride	BRL		0.00066	0.0079	mg/Kg-dry	198845	1	11/07/2014 07:10	MD
Surr: 4-Bromofluorobenzene	91.3		0	70-128	%REC	198845	1	11/07/2014 07:10	MD
Surr: Dibromofluoromethane	94.6		0	78.2-128	%REC	198845	1	11/07/2014 07:10	MD
Surr: Toluene-d8	94.6		0	76.5-116	%REC	198845	1	11/07/2014 07:10	MD
PERCENT MOISTURE D2216									
Percent Moisture	24.7		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

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BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002MS
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-025	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.031	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2,4,5-Trichlorophenol	BRL		0.047	2.1	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2,4,6-Trichlorophenol	BRL		0.025	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2,4-Dichlorophenol	BRL		0.023	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2,4-Dimethylphenol	BRL		0.038	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2,4-Dinitrophenol	BRL		0.40	2.1	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2,4-Dinitrotoluene	BRL		0.037	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2,6-Dinitrotoluene	BRL		0.045	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2-Chloronaphthalene	BRL		0.026	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2-Chlorophenol	BRL		0.037	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2-Methylnaphthalene	BRL		0.040	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2-Methylphenol	BRL		0.038	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2-Nitroaniline	BRL		0.040	2.1	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
2-Nitrophenol	BRL		0.050	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
3,3´-Dichlorobenzidine	BRL		0.051	0.81	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
3-Nitroaniline	BRL		0.041	2.1	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
4,6-Dinitro-2-methylphenol	BRL		0.028	2.1	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
4-Bromophenyl phenyl ether	BRL		0.038	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
4-Chloro-3-methylphenol	BRL		0.022	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
4-Chloroaniline	BRL		0.061	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
4-Chlorophenyl phenyl ether	BRL		0.044	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
4-Methylphenol	BRL		0.068	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
4-Nitroaniline	BRL		0.044	2.1	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
4-Nitrophenol	BRL		0.37	2.1	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Acenaphthene	BRL		0.046	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Acenaphthylene	BRL		0.024	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Acetophenone	BRL		0.018	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Anthracene	BRL		0.034	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Atrazine	BRL		0.041	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Benz(a)anthracene	BRL		0.028	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Benzaldehyde	BRL		0.065	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Benzo(a)pyrene	BRL		0.035	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Benzo(b)fluoranthene	BRL		0.034	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Benzo(g,h,i)perylene	BRL		0.037	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Benzo(k)fluoranthene	BRL		0.055	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Bis(2-chloroethoxy)methane	BRL		0.026	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Bis(2-chloroethyl)ether	BRL		0.065	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Bis(2-chloroisopropyl)ether	BRL		0.028	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Bis(2-ethylhexyl)phthalate	BRL		0.034	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002MS
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-025	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.035	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Caprolactam	BRL		0.034	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Carbazole	BRL		0.045	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Chrysene	BRL		0.043	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Di-n-butyl phthalate	BRL		0.038	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Di-n-octyl phthalate	BRL		0.021	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Dibenz(a,h)anthracene	BRL		0.033	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Dibenzofuran	BRL		0.034	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Diethyl phthalate	BRL		0.040	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Dimethyl phthalate	BRL		0.024	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Fluoranthene	BRL		0.031	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Fluorene	BRL		0.029	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Hexachlorobenzene	BRL		0.078	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Hexachlorobutadiene	BRL		0.037	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Hexachlorocyclopentadiene	BRL		0.039	0.80	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Hexachloroethane	BRL		0.059	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Indeno(1,2,3-cd)pyrene	BRL		0.029	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Isophorone	BRL		0.023	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
N-Nitrosodi-n-propylamine	BRL		0.023	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
N-Nitrosodiphenylamine	BRL		0.030	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Naphthalene	BRL		0.023	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Nitrobenzene	BRL		0.036	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Pentachlorophenol	BRL		0.032	2.1	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Phenanthrene	BRL		0.038	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Phenol	BRL		0.030	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Pyrene	BRL		0.039	0.40	mg/Kg-dry	198877	1	11/10/2014 16:11	YH
Surr: 2,4,6-Tribromophenol	75.3		0	40.2-120	%REC	198877	1	11/10/2014 16:11	YH
Surr: 2-Fluorobiphenyl	68		0	45.6-120	%REC	198877	1	11/10/2014 16:11	YH
Surr: 2-Fluorophenol	68.4		0	35.2-120	%REC	198877	1	11/10/2014 16:11	YH
Surr: 4-Terphenyl-d14	69.9		0	51-121	%REC	198877	1	11/10/2014 16:11	YH
Surr: Nitrobenzene-d5	67.5		0	37.8-120	%REC	198877	1	11/10/2014 16:11	YH
Surr: Phenol-d5	72		0	39.9-120	%REC	198877	1	11/10/2014 16:11	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00045	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,1,2,2-Tetrachloroethane	BRL		0.0012	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,1,2-Trichloroethane	BRL		0.00057	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,1-Dichloroethane	BRL		0.00035	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,1-Dichloroethene	BRL		0.00054	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD

Qualifiers:

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- BRL Not detected at MDL
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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002MS
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-025	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00075	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,2-Dibromo-3-chloropropane	BRL		0.00035	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,2-Dibromoethane	BRL		0.00040	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,2-Dichlorobenzene	BRL		0.0014	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,2-Dichloroethane	BRL		0.00061	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,2-Dichloropropane	BRL		0.00038	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,3-Dichlorobenzene	BRL		0.0017	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
1,4-Dichlorobenzene	BRL		0.00047	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
2-Butanone	BRL		0.0096	0.047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
2-Hexanone	BRL		0.0015	0.0094	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
4-Methyl-2-pentanone	BRL		0.00081	0.0094	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Acetone	BRL		0.012	0.094	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Benzene	BRL		0.0013	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Bromodichloromethane	BRL		0.00047	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Bromoform	BRL		0.00069	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Bromomethane	BRL		0.0016	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Carbon disulfide	BRL		0.0035	0.0094	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Carbon tetrachloride	BRL		0.00061	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Chlorobenzene	BRL		0.00040	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Chloroethane	BRL		0.00041	0.0094	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Chloroform	BRL		0.00040	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Chloromethane	BRL		0.00044	0.0094	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
cis-1,2-Dichloroethene	BRL		0.00050	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
cis-1,3-Dichloropropene	BRL		0.00039	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Cyclohexane	BRL		0.0014	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Dibromochloromethane	BRL		0.00045	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Dichlorodifluoromethane	BRL		0.00069	0.0094	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Ethylbenzene	BRL		0.00039	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Freon-113	BRL		0.00069	0.0094	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Isopropylbenzene	BRL		0.00050	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
m,p-Xylene	BRL		0.00076	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Methyl acetate	BRL		0.00091	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Methyl tert-butyl ether	BRL		0.00057	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Methylcyclohexane	BRL		0.00072	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Methylene chloride	0.011	J	0.00057	0.019	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
o-Xylene	BRL		0.00031	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Styrene	BRL		0.00039	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Tetrachloroethene	BRL		0.00040	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Toluene	BRL		0.00099	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002MS
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-025	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00060	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
trans-1,3-Dichloropropene	BRL		0.00036	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Trichloroethene	BRL		0.00068	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Trichlorofluoromethane	BRL		0.00094	0.0047	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Vinyl chloride	BRL		0.00079	0.0094	mg/Kg-dry	198980	1	11/11/2014 01:51	MD
Surr: 4-Bromofluorobenzene	93.1		0	70-128	%REC	198980	1	11/11/2014 01:51	MD
Surr: Dibromofluoromethane	94.2		0	78.2-128	%REC	198980	1	11/11/2014 01:51	MD
Surr: Toluene-d8	96		0	76.5-116	%REC	198980	1	11/11/2014 01:51	MD
PERCENT MOISTURE D2216									
Percent Moisture	17.3		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-026	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.032	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2,4,5-Trichlorophenol	BRL		0.048	2.1	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2,4,6-Trichlorophenol	BRL		0.026	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2,4-Dichlorophenol	BRL		0.024	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2,4-Dimethylphenol	BRL		0.039	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2,4-Dinitrophenol	BRL		0.42	2.1	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2,4-Dinitrotoluene	BRL		0.039	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2,6-Dinitrotoluene	BRL		0.046	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2-Chloronaphthalene	BRL		0.026	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2-Chlorophenol	BRL		0.038	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2-Methylnaphthalene	BRL		0.041	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2-Methylphenol	BRL		0.040	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2-Nitroaniline	BRL		0.041	2.1	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
2-Nitrophenol	BRL		0.051	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
3,3´-Dichlorobenzidine	BRL		0.053	0.84	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
3-Nitroaniline	BRL		0.042	2.1	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
4,6-Dinitro-2-methylphenol	BRL		0.029	2.1	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
4-Bromophenyl phenyl ether	BRL		0.039	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
4-Chloro-3-methylphenol	BRL		0.023	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
4-Chloroaniline	BRL		0.063	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
4-Chlorophenyl phenyl ether	BRL		0.046	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
4-Methylphenol	BRL		0.071	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
4-Nitroaniline	BRL		0.046	2.1	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
4-Nitrophenol	BRL		0.38	2.1	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Acenaphthene	BRL		0.048	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Acenaphthylene	BRL		0.025	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Acetophenone	BRL		0.019	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Anthracene	BRL		0.035	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Atrazine	BRL		0.043	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Benz(a)anthracene	BRL		0.029	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Benzaldehyde	BRL		0.067	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Benzo(a)pyrene	BRL		0.036	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Benzo(b)fluoranthene	BRL		0.035	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Benzo(g,h,i)perylene	BRL		0.038	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Benzo(k)fluoranthene	BRL		0.057	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Bis(2-chloroethoxy)methane	BRL		0.027	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Bis(2-chloroethyl)ether	BRL		0.067	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Bis(2-chloroisopropyl)ether	BRL		0.029	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Bis(2-ethylhexyl)phthalate	BRL		0.035	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH

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- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-026	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.036	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Caprolactam	BRL		0.035	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Carbazole	BRL		0.046	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Chrysene	BRL		0.044	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Di-n-butyl phthalate	0.045	J	0.039	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Di-n-octyl phthalate	BRL		0.022	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Dibenz(a,h)anthracene	BRL		0.034	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Dibenzofuran	BRL		0.035	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Diethyl phthalate	BRL		0.041	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Dimethyl phthalate	BRL		0.025	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Fluoranthene	BRL		0.032	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Fluorene	BRL		0.030	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Hexachlorobenzene	BRL		0.081	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Hexachlorobutadiene	BRL		0.038	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Hexachlorocyclopentadiene	BRL		0.041	0.82	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Hexachloroethane	BRL		0.061	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Indeno(1,2,3-cd)pyrene	BRL		0.030	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Isophorone	BRL		0.024	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
N-Nitrosodi-n-propylamine	BRL		0.023	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
N-Nitrosodiphenylamine	BRL		0.031	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Naphthalene	BRL		0.024	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Nitrobenzene	BRL		0.037	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Pentachlorophenol	BRL		0.033	2.1	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Phenanthrene	BRL		0.039	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Phenol	BRL		0.031	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Pyrene	BRL		0.040	0.41	mg/Kg-dry	198877	1	11/10/2014 16:37	YH
Surr: 2,4,6-Tribromophenol	79.9		0	40.2-120	%REC	198877	1	11/10/2014 16:37	YH
Surr: 2-Fluorobiphenyl	73.4		0	45.6-120	%REC	198877	1	11/10/2014 16:37	YH
Surr: 2-Fluorophenol	69.9		0	35.2-120	%REC	198877	1	11/10/2014 16:37	YH
Surr: 4-Terphenyl-d14	71.6		0	51-121	%REC	198877	1	11/10/2014 16:37	YH
Surr: Nitrobenzene-d5	70.8		0	37.8-120	%REC	198877	1	11/10/2014 16:37	YH
Surr: Phenol-d5	70.7		0	39.9-120	%REC	198877	1	11/10/2014 16:37	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00039	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,1,2,2-Tetrachloroethane	BRL		0.0010	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,1,2-Trichloroethane	BRL		0.00049	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,1-Dichloroethane	BRL		0.00031	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,1-Dichloroethene	BRL		0.00047	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-026	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00065	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,2-Dibromo-3-chloropropane	BRL		0.00030	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,2-Dibromoethane	BRL		0.00035	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,2-Dichlorobenzene	BRL		0.0013	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,2-Dichloroethane	BRL		0.00053	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,2-Dichloropropane	BRL		0.00033	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,3-Dichlorobenzene	BRL		0.0015	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
1,4-Dichlorobenzene	BRL		0.00041	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
2-Butanone	BRL		0.0083	0.041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
2-Hexanone	BRL		0.0013	0.0082	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
4-Methyl-2-pentanone	BRL		0.00070	0.0082	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Acetone	BRL		0.010	0.082	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Benzene	BRL		0.0011	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Bromodichloromethane	BRL		0.00041	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Bromoform	BRL		0.00060	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Bromomethane	BRL		0.0014	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Carbon disulfide	BRL		0.0030	0.0082	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Carbon tetrachloride	BRL		0.00053	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Chlorobenzene	BRL		0.00035	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Chloroethane	BRL		0.00035	0.0082	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Chloroform	BRL		0.00035	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Chloromethane	BRL		0.00039	0.0082	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
cis-1,2-Dichloroethene	BRL		0.00044	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
cis-1,3-Dichloropropene	BRL		0.00034	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Cyclohexane	BRL		0.0012	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Dibromochloromethane	BRL		0.00039	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Dichlorodifluoromethane	BRL		0.00060	0.0082	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Ethylbenzene	BRL		0.00034	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Freon-113	BRL		0.00060	0.0082	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Isopropylbenzene	BRL		0.00043	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
m,p-Xylene	BRL		0.00066	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Methyl acetate	BRL		0.00079	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Methyl tert-butyl ether	BRL		0.00050	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Methylcyclohexane	BRL		0.00063	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Methylene chloride	0.0058	J	0.00050	0.016	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
o-Xylene	BRL		0.00027	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Styrene	BRL		0.00034	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Tetrachloroethene	BRL		0.00034	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Toluene	BRL		0.00086	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-01X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:05:00 PM
Lab ID:	1411153-026	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00052	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
trans-1,3-Dichloropropene	BRL		0.00032	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Trichloroethene	BRL		0.00059	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Trichlorofluoromethane	BRL		0.00082	0.0041	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Vinyl chloride	BRL		0.00069	0.0082	mg/Kg-dry	198980	1	11/11/2014 02:20	MD
Surr: 4-Bromofluorobenzene	94.7		0	70-128	%REC	198980	1	11/11/2014 02:20	MD
Surr: Dibromofluoromethane	96.3		0	78.2-128	%REC	198980	1	11/11/2014 02:20	MD
Surr: Toluene-d8	96.8		0	76.5-116	%REC	198980	1	11/11/2014 02:20	MD
PERCENT MOISTURE D2216									
Percent Moisture	20.0		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-02X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:20:00 PM
Lab ID:	1411153-027	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.031	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2,4,5-Trichlorophenol	BRL		0.047	2.1	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2,4,6-Trichlorophenol	BRL		0.025	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2,4-Dichlorophenol	BRL		0.023	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2,4-Dimethylphenol	BRL		0.038	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2,4-Dinitrophenol	BRL		0.41	2.1	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2,4-Dinitrotoluene	BRL		0.038	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2,6-Dinitrotoluene	BRL		0.046	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2-Chloronaphthalene	BRL		0.026	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2-Chlorophenol	BRL		0.037	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2-Methylnaphthalene	BRL		0.040	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2-Methylphenol	BRL		0.039	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2-Nitroaniline	BRL		0.040	2.1	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
2-Nitrophenol	BRL		0.050	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
3,3´-Dichlorobenzidine	BRL		0.052	0.82	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
3-Nitroaniline	BRL		0.041	2.1	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
4,6-Dinitro-2-methylphenol	BRL		0.029	2.1	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
4-Bromophenyl phenyl ether	BRL		0.038	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
4-Chloro-3-methylphenol	BRL		0.022	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
4-Chloroaniline	BRL		0.062	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
4-Chlorophenyl phenyl ether	BRL		0.045	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
4-Methylphenol	BRL		0.069	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
4-Nitroaniline	BRL		0.045	2.1	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
4-Nitrophenol	BRL		0.37	2.1	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Acenaphthene	BRL		0.047	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Acenaphthylene	BRL		0.025	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Acetophenone	BRL		0.019	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Anthracene	BRL		0.035	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Atrazine	BRL		0.042	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Benz(a)anthracene	BRL		0.029	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Benzaldehyde	BRL		0.066	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Benzo(a)pyrene	BRL		0.036	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Benzo(b)fluoranthene	BRL		0.034	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Benzo(g,h,i)perylene	BRL		0.037	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Benzo(k)fluoranthene	BRL		0.056	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Bis(2-chloroethoxy)methane	BRL		0.026	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Bis(2-chloroethyl)ether	BRL		0.066	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Bis(2-chloroisopropyl)ether	BRL		0.029	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Bis(2-ethylhexyl)phthalate	0.18	J	0.034	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-02X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:20:00 PM
Lab ID:	1411153-027	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	0.81		0.035	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Caprolactam	BRL		0.035	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Carbazole	BRL		0.045	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Chrysene	BRL		0.044	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Di-n-butyl phthalate	0.046	J	0.039	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Di-n-octyl phthalate	BRL		0.022	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Dibenz(a,h)anthracene	BRL		0.034	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Dibenzofuran	BRL		0.034	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Diethyl phthalate	0.33	J	0.041	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Dimethyl phthalate	BRL		0.024	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Fluoranthene	BRL		0.031	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Fluorene	BRL		0.030	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Hexachlorobenzene	BRL		0.079	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Hexachlorobutadiene	BRL		0.038	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Hexachlorocyclopentadiene	BRL		0.040	0.81	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Hexachloroethane	BRL		0.060	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Indeno(1,2,3-cd)pyrene	BRL		0.030	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Isophorone	BRL		0.023	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
N-Nitrosodi-n-propylamine	BRL		0.023	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
N-Nitrosodiphenylamine	BRL		0.030	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Naphthalene	BRL		0.023	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Nitrobenzene	BRL		0.037	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Pentachlorophenol	BRL		0.032	2.1	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Phenanthrene	BRL		0.039	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Phenol	BRL		0.030	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Pyrene	BRL		0.040	0.40	mg/Kg-dry	198877	1	11/10/2014 17:04	YH
Surr: 2,4,6-Tribromophenol	72.3		0	40.2-120	%REC	198877	1	11/10/2014 17:04	YH
Surr: 2-Fluorobiphenyl	73		0	45.6-120	%REC	198877	1	11/10/2014 17:04	YH
Surr: 2-Fluorophenol	72.3		0	35.2-120	%REC	198877	1	11/10/2014 17:04	YH
Surr: 4-Terphenyl-d14	66.5		0	51-121	%REC	198877	1	11/10/2014 17:04	YH
Surr: Nitrobenzene-d5	74.6		0	37.8-120	%REC	198877	1	11/10/2014 17:04	YH
Surr: Phenol-d5	75.1		0	39.9-120	%REC	198877	1	11/10/2014 17:04	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00043	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,1,2,2-Tetrachloroethane	BRL		0.0011	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,1,2-Trichloroethane	BRL		0.00054	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,1-Dichloroethane	BRL		0.00034	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,1-Dichloroethene	BRL		0.00052	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-02X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:20:00 PM
Lab ID:	1411153-027	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00071	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,2-Dibromo-3-chloropropane	BRL		0.00033	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,2-Dibromoethane	BRL		0.00039	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,2-Dichlorobenzene	BRL		0.0014	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,2-Dichloroethane	BRL		0.00058	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,2-Dichloropropane	BRL		0.00036	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,3-Dichlorobenzene	BRL		0.0016	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
1,4-Dichlorobenzene	BRL		0.00045	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
2-Butanone	BRL		0.0092	0.045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
2-Hexanone	BRL		0.0014	0.0090	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
4-Methyl-2-pentanone	BRL		0.00077	0.0090	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Acetone	BRL		0.012	0.090	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Benzene	BRL		0.0013	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Bromodichloromethane	BRL		0.00045	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Bromoform	BRL		0.00066	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Bromomethane	BRL		0.0015	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Carbon disulfide	BRL		0.0033	0.0090	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Carbon tetrachloride	BRL		0.00058	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Chlorobenzene	BRL		0.00038	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Chloroethane	BRL		0.00039	0.0090	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Chloroform	BRL		0.00039	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Chloromethane	BRL		0.00042	0.0090	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
cis-1,2-Dichloroethene	BRL		0.00048	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
cis-1,3-Dichloropropene	BRL		0.00037	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Cyclohexane	BRL		0.0013	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Dibromochloromethane	BRL		0.00043	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Dichlorodifluoromethane	BRL		0.00066	0.0090	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Ethylbenzene	BRL		0.00038	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Freon-113	BRL		0.00065	0.0090	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Isopropylbenzene	BRL		0.00048	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
m,p-Xylene	BRL		0.00073	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Methyl acetate	BRL		0.00087	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Methyl tert-butyl ether	BRL		0.00054	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Methylcyclohexane	BRL		0.00069	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Methylene chloride	0.0080	J	0.00055	0.018	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
o-Xylene	BRL		0.00029	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Styrene	BRL		0.00037	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Tetrachloroethene	BRL		0.00038	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Toluene	BRL		0.00095	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-06-02X002XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 2:20:00 PM
Lab ID:	1411153-027	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00058	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
trans-1,3-Dichloropropene	BRL		0.00035	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Trichloroethene	BRL		0.00065	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Trichlorofluoromethane	BRL		0.00090	0.0045	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Vinyl chloride	BRL		0.00076	0.0090	mg/Kg-dry	198980	1	11/11/2014 02:50	MD
Surr: 4-Bromofluorobenzene	93.6		0	70-128	%REC	198980	1	11/11/2014 02:50	MD
Surr: Dibromofluoromethane	95.2		0	78.2-128	%REC	198980	1	11/11/2014 02:50	MD
Surr: Toluene-d8	96.6		0	76.5-116	%REC	198980	1	11/11/2014 02:50	MD
PERCENT MOISTURE D2216									
Percent Moisture	18.6		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-08X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:05:00 AM
Lab ID:	1411153-028	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.036	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2,4,5-Trichlorophenol	BRL		0.054	2.4	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2,4,6-Trichlorophenol	BRL		0.029	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2,4-Dichlorophenol	BRL		0.027	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2,4-Dimethylphenol	BRL		0.044	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2,4-Dinitrophenol	BRL		0.47	2.4	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2,4-Dinitrotoluene	BRL		0.043	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2,6-Dinitrotoluene	BRL		0.052	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2-Chloronaphthalene	BRL		0.030	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2-Chlorophenol	BRL		0.042	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2-Methylnaphthalene	BRL		0.046	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2-Methylphenol	BRL		0.044	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2-Nitroaniline	BRL		0.046	2.4	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
2-Nitrophenol	BRL		0.058	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
3,3´-Dichlorobenzidine	BRL		0.059	0.94	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
3-Nitroaniline	BRL		0.047	2.4	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
4,6-Dinitro-2-methylphenol	BRL		0.033	2.4	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
4-Bromophenyl phenyl ether	BRL		0.044	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
4-Chloro-3-methylphenol	BRL		0.025	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
4-Chloroaniline	BRL		0.070	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
4-Chlorophenyl phenyl ether	BRL		0.051	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
4-Methylphenol	BRL		0.079	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
4-Nitroaniline	BRL		0.051	2.4	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
4-Nitrophenol	BRL		0.42	2.4	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Acenaphthene	BRL		0.054	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Acenaphthylene	BRL		0.028	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Acetophenone	BRL		0.021	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Anthracene	BRL		0.040	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Atrazine	BRL		0.048	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Benz(a)anthracene	BRL		0.033	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Benzaldehyde	BRL		0.076	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Benzo(a)pyrene	BRL		0.041	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Benzo(b)fluoranthene	BRL		0.039	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Benzo(g,h,i)perylene	BRL		0.042	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Benzo(k)fluoranthene	BRL		0.064	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Bis(2-chloroethoxy)methane	BRL		0.030	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Bis(2-chloroethyl)ether	BRL		0.075	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Bis(2-chloroisopropyl)ether	BRL		0.033	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Bis(2-ethylhexyl)phthalate	BRL		0.039	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH

Qualifiers:

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- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-08X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:05:00 AM
Lab ID:	1411153-028	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.040	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Caprolactam	BRL		0.040	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Carbazole	BRL		0.052	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Chrysene	BRL		0.050	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Di-n-butyl phthalate	BRL		0.044	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Di-n-octyl phthalate	BRL		0.025	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Dibenz(a,h)anthracene	BRL		0.039	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Dibenzofuran	BRL		0.039	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Diethyl phthalate	BRL		0.046	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Dimethyl phthalate	BRL		0.028	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Fluoranthene	BRL		0.036	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Fluorene	BRL		0.034	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Hexachlorobenzene	BRL		0.090	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Hexachlorobutadiene	BRL		0.043	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Hexachlorocyclopentadiene	BRL		0.046	0.92	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Hexachloroethane	BRL		0.068	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Indeno(1,2,3-cd)pyrene	BRL		0.034	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Isophorone	BRL		0.027	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
N-Nitrosodi-n-propylamine	BRL		0.026	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
N-Nitrosodiphenylamine	BRL		0.035	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Naphthalene	BRL		0.027	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Nitrobenzene	BRL		0.042	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Pentachlorophenol	BRL		0.037	2.4	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Phenanthrene	BRL		0.044	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Phenol	BRL		0.034	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Pyrene	BRL		0.045	0.46	mg/Kg-dry	198877	1	11/10/2014 18:22	YH
Surr: 2,4,6-Tribromophenol	75.1		0	40.2-120	%REC	198877	1	11/10/2014 18:22	YH
Surr: 2-Fluorobiphenyl	68.3		0	45.6-120	%REC	198877	1	11/10/2014 18:22	YH
Surr: 2-Fluorophenol	63.7		0	35.2-120	%REC	198877	1	11/10/2014 18:22	YH
Surr: 4-Terphenyl-d14	71.4		0	51-121	%REC	198877	1	11/10/2014 18:22	YH
Surr: Nitrobenzene-d5	67.3		0	37.8-120	%REC	198877	1	11/10/2014 18:22	YH
Surr: Phenol-d5	69		0	39.9-120	%REC	198877	1	11/10/2014 18:22	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00059	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,1,2,2-Tetrachloroethane	BRL		0.0015	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,1,2-Trichloroethane	BRL		0.00074	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,1-Dichloroethane	BRL		0.00046	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,1-Dichloroethene	BRL		0.00071	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-08X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:05:00 AM
Lab ID:	1411153-028	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**					
1,2,4-Trichlorobenzene	BRL		0.00098	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,2-Dibromo-3-chloropropane	BRL		0.00045	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,2-Dibromoethane	BRL		0.00053	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,2-Dichlorobenzene	BRL		0.0019	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,2-Dichloroethane	BRL		0.00080	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,2-Dichloropropane	BRL		0.00050	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,3-Dichlorobenzene	BRL		0.0022	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
1,4-Dichlorobenzene	BRL		0.00061	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
2-Butanone	BRL		0.013	0.061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
2-Hexanone	BRL		0.0019	0.012	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
4-Methyl-2-pentanone	BRL		0.0011	0.012	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Acetone	BRL		0.016	0.12	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Benzene	BRL		0.0017	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Bromodichloromethane	BRL		0.00061	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Bromoform	BRL		0.00090	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Bromomethane	BRL		0.0020	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Carbon disulfide	BRL		0.0046	0.012	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Carbon tetrachloride	BRL		0.00080	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Chlorobenzene	BRL		0.00052	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Chloroethane	BRL		0.00053	0.012	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Chloroform	BRL		0.00053	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Chloromethane	BRL		0.00058	0.012	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
cis-1,2-Dichloroethene	BRL		0.00066	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
cis-1,3-Dichloropropene	BRL		0.00051	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Cyclohexane	BRL		0.0018	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Dibromochloromethane	BRL		0.00059	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Dichlorodifluoromethane	BRL		0.00090	0.012	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Ethylbenzene	BRL		0.00051	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Freon-113	BRL		0.00090	0.012	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Isopropylbenzene	BRL		0.00065	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
m,p-Xylene	BRL		0.00100	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Methyl acetate	BRL		0.0012	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Methyl tert-butyl ether	BRL		0.00075	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Methylcyclohexane	BRL		0.00094	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Methylene chloride	0.019	J	0.00075	0.025	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
o-Xylene	BRL		0.00040	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Styrene	BRL		0.00051	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Tetrachloroethene	BRL		0.00052	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Toluene	BRL		0.0013	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD

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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-08X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 11:05:00 AM
Lab ID:	1411153-028	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00079	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
trans-1,3-Dichloropropene	BRL		0.00048	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Trichloroethene	BRL		0.00089	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Trichlorofluoromethane	BRL		0.0012	0.0061	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Vinyl chloride	BRL		0.0010	0.012	mg/Kg-dry	198980	1	11/11/2014 03:19	MD
Surr: 4-Bromofluorobenzene	93.2		0	70-128	%REC	198980	1	11/11/2014 03:19	MD
Surr: Dibromofluoromethane	95.4		0	78.2-128	%REC	198980	1	11/11/2014 03:19	MD
Surr: Toluene-d8	97.4		0	76.5-116	%REC	198980	1	11/11/2014 03:19	MD
PERCENT MOISTURE D2216									
Percent Moisture	28.5		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:30:00 PM
Lab ID:	1411153-029	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.030	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2,4,5-Trichlorophenol	BRL		0.046	2.0	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2,4,6-Trichlorophenol	BRL		0.024	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2,4-Dichlorophenol	BRL		0.023	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2,4-Dimethylphenol	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2,4-Dinitrophenol	BRL		0.39	2.0	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2,4-Dinitrotoluene	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2,6-Dinitrotoluene	BRL		0.044	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2-Chloronaphthalene	BRL		0.025	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2-Chlorophenol	BRL		0.036	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2-Methylnaphthalene	BRL		0.039	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2-Methylphenol	BRL		0.038	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2-Nitroaniline	BRL		0.039	2.0	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
2-Nitrophenol	BRL		0.049	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
3,3´-Dichlorobenzidine	BRL		0.050	0.79	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
3-Nitroaniline	BRL		0.040	2.0	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
4,6-Dinitro-2-methylphenol	BRL		0.028	2.0	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
4-Bromophenyl phenyl ether	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
4-Chloro-3-methylphenol	BRL		0.021	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
4-Chloroaniline	BRL		0.060	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
4-Chlorophenyl phenyl ether	BRL		0.043	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
4-Methylphenol	BRL		0.067	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
4-Nitroaniline	BRL		0.043	2.0	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
4-Nitrophenol	BRL		0.36	2.0	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Acenaphthene	BRL		0.045	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Acenaphthylene	BRL		0.024	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Acetophenone	BRL		0.018	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Anthracene	BRL		0.034	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Atrazine	BRL		0.040	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Benz(a)anthracene	BRL		0.028	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Benzaldehyde	BRL		0.064	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Benzo(a)pyrene	BRL		0.034	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Benzo(b)fluoranthene	BRL		0.033	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Benzo(g,h,i)perylene	BRL		0.036	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Benzo(k)fluoranthene	BRL		0.054	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Bis(2-chloroethoxy)methane	BRL		0.026	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Bis(2-chloroethyl)ether	BRL		0.064	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Bis(2-chloroisopropyl)ether	BRL		0.028	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Bis(2-ethylhexyl)phthalate	BRL		0.033	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH

Qualifiers:

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- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:30:00 PM
Lab ID:	1411153-029	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.034	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Caprolactam	BRL		0.034	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Carbazole	BRL		0.044	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Chrysene	BRL		0.042	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Di-n-butyl phthalate	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Di-n-octyl phthalate	BRL		0.021	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Dibenz(a,h)anthracene	BRL		0.033	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Dibenzofuran	BRL		0.033	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Diethyl phthalate	BRL		0.039	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Dimethyl phthalate	BRL		0.023	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Fluoranthene	BRL		0.030	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Fluorene	BRL		0.029	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Hexachlorobenzene	BRL		0.076	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Hexachlorobutadiene	BRL		0.036	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Hexachlorocyclopentadiene	BRL		0.038	0.78	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Hexachloroethane	BRL		0.058	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Indeno(1,2,3-cd)pyrene	BRL		0.029	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Isophorone	BRL		0.022	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
N-Nitrosodi-n-propylamine	BRL		0.022	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
N-Nitrosodiphenylamine	BRL		0.029	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Naphthalene	BRL		0.023	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Nitrobenzene	BRL		0.035	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Pentachlorophenol	BRL		0.031	2.0	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Phenanthrene	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Phenol	BRL		0.029	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Pyrene	BRL		0.038	0.39	mg/Kg-dry	198877	1	11/10/2014 18:48	YH
Surr: 2,4,6-Tribromophenol	75.1		0	40.2-120	%REC	198877	1	11/10/2014 18:48	YH
Surr: 2-Fluorobiphenyl	69.9		0	45.6-120	%REC	198877	1	11/10/2014 18:48	YH
Surr: 2-Fluorophenol	69		0	35.2-120	%REC	198877	1	11/10/2014 18:48	YH
Surr: 4-Terphenyl-d14	71.6		0	51-121	%REC	198877	1	11/10/2014 18:48	YH
Surr: Nitrobenzene-d5	72.1		0	37.8-120	%REC	198877	1	11/10/2014 18:48	YH
Surr: Phenol-d5	70.8		0	39.9-120	%REC	198877	1	11/10/2014 18:48	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00031	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,1,2,2-Tetrachloroethane	BRL		0.00081	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,1,2-Trichloroethane	BRL		0.00039	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,1-Dichloroethane	BRL		0.00024	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,1-Dichloroethene	BRL		0.00038	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:30:00 PM
Lab ID:	1411153-029	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00052	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,2-Dibromo-3-chloropropane	BRL		0.00024	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,2-Dibromoethane	BRL		0.00028	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,2-Dichlorobenzene	BRL		0.0010	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,2-Dichloroethane	BRL		0.00043	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,2-Dichloropropane	BRL		0.00026	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,3-Dichlorobenzene	BRL		0.0012	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
1,4-Dichlorobenzene	BRL		0.00033	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
2-Butanone	BRL		0.0067	0.033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
2-Hexanone	BRL		0.0010	0.0065	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
4-Methyl-2-pentanone	BRL		0.00056	0.0065	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Acetone	0.024	J	0.0084	0.065	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Benzene	BRL		0.00092	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Bromodichloromethane	BRL		0.00032	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Bromoform	BRL		0.00048	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Bromomethane	BRL		0.0011	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Carbon disulfide	BRL		0.0024	0.0065	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Carbon tetrachloride	BRL		0.00042	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Chlorobenzene	BRL		0.00028	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Chloroethane	BRL		0.00028	0.0065	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Chloroform	BRL		0.00028	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Chloromethane	BRL		0.00031	0.0065	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
cis-1,2-Dichloroethene	BRL		0.00035	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
cis-1,3-Dichloropropene	BRL		0.00027	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Cyclohexane	BRL		0.00094	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Dibromochloromethane	BRL		0.00031	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Dichlorodifluoromethane	BRL		0.00048	0.0065	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Ethylbenzene	BRL		0.00027	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Freon-113	BRL		0.00048	0.0065	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Isopropylbenzene	BRL		0.00035	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
m,p-Xylene	BRL		0.00053	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Methyl acetate	BRL		0.00063	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Methyl tert-butyl ether	BRL		0.00040	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Methylcyclohexane	BRL		0.00050	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Methylene chloride	0.0066	J	0.00040	0.013	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
o-Xylene	BRL		0.00021	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Styrene	BRL		0.00027	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Tetrachloroethene	BRL		0.00027	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Toluene	BRL		0.00069	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:30:00 PM
Lab ID:	1411153-029	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00042	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
trans-1,3-Dichloropropene	BRL		0.00025	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Trichloroethene	BRL		0.00047	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Trichlorofluoromethane	BRL		0.00065	0.0033	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Vinyl chloride	BRL		0.00055	0.0065	mg/Kg-dry	198980	1	11/11/2014 03:49	MD
Surr: 4-Bromofluorobenzene	92.5		0	70-128	%REC	198980	1	11/11/2014 03:49	MD
Surr: Dibromofluoromethane	96.4		0	78.2-128	%REC	198980	1	11/11/2014 03:49	MD
Surr: Toluene-d8	97		0	76.5-116	%REC	198980	1	11/11/2014 03:49	MD
PERCENT MOISTURE D2216									
Percent Moisture	15.5		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:05:00 PM
Lab ID:	1411153-030	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
1,1´-Biphenyl	BRL		0.030	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2,4,5-Trichlorophenol	BRL		0.046	2.0	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2,4,6-Trichlorophenol	BRL		0.024	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2,4-Dichlorophenol	BRL		0.023	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2,4-Dimethylphenol	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2,4-Dinitrophenol	BRL		0.39	2.0	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2,4-Dinitrotoluene	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2,6-Dinitrotoluene	BRL		0.044	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2-Chloronaphthalene	BRL		0.025	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2-Chlorophenol	BRL		0.036	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2-Methylnaphthalene	BRL		0.039	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2-Methylphenol	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2-Nitroaniline	BRL		0.039	2.0	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
2-Nitrophenol	BRL		0.049	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
3,3´-Dichlorobenzidine	BRL		0.050	0.79	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
3-Nitroaniline	BRL		0.040	2.0	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
4,6-Dinitro-2-methylphenol	BRL		0.028	2.0	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
4-Bromophenyl phenyl ether	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
4-Chloro-3-methylphenol	BRL		0.021	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
4-Chloroaniline	BRL		0.059	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
4-Chlorophenyl phenyl ether	BRL		0.043	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
4-Methylphenol	BRL		0.067	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
4-Nitroaniline	BRL		0.043	2.0	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
4-Nitrophenol	BRL		0.36	2.0	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Acenaphthene	BRL		0.045	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Acenaphthylene	BRL		0.024	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Acetophenone	BRL		0.018	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Anthracene	BRL		0.034	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Atrazine	BRL		0.040	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Benz(a)anthracene	BRL		0.028	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Benzaldehyde	BRL		0.064	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Benzo(a)pyrene	BRL		0.034	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Benzo(b)fluoranthene	BRL		0.033	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Benzo(g,h,i)perylene	BRL		0.036	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Benzo(k)fluoranthene	BRL		0.054	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Bis(2-chloroethoxy)methane	BRL		0.025	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Bis(2-chloroethyl)ether	BRL		0.063	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Bis(2-chloroisopropyl)ether	BRL		0.028	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Bis(2-ethylhexyl)phthalate	BRL		0.033	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
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- E Estimated value above quantitation range
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Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:05:00 PM
Lab ID:	1411153-030	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3550C)**				
Butyl benzyl phthalate	BRL		0.034	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Caprolactam	BRL		0.033	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Carbazole	BRL		0.044	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Chrysene	BRL		0.042	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Di-n-butyl phthalate	0.051	J	0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Di-n-octyl phthalate	BRL		0.021	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Dibenz(a,h)anthracene	BRL		0.033	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Dibenzofuran	BRL		0.033	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Diethyl phthalate	BRL		0.039	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Dimethyl phthalate	BRL		0.023	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Fluoranthene	BRL		0.030	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Fluorene	BRL		0.029	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Hexachlorobenzene	BRL		0.076	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Hexachlorobutadiene	BRL		0.036	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Hexachlorocyclopentadiene	BRL		0.038	0.78	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Hexachloroethane	BRL		0.058	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Indeno(1,2,3-cd)pyrene	BRL		0.028	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Isophorone	BRL		0.022	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
N-Nitrosodi-n-propylamine	BRL		0.022	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
N-Nitrosodiphenylamine	BRL		0.029	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Naphthalene	BRL		0.022	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Nitrobenzene	BRL		0.035	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Pentachlorophenol	BRL		0.031	2.0	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Phenanthrene	BRL		0.037	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Phenol	BRL		0.029	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Pyrene	BRL		0.038	0.39	mg/Kg-dry	198877	1	11/10/2014 19:15	YH
Surr: 2,4,6-Tribromophenol	85.3		0	40.2-120	%REC	198877	1	11/10/2014 19:15	YH
Surr: 2-Fluorobiphenyl	79.6		0	45.6-120	%REC	198877	1	11/10/2014 19:15	YH
Surr: 2-Fluorophenol	74		0	35.2-120	%REC	198877	1	11/10/2014 19:15	YH
Surr: 4-Terphenyl-d14	82.7		0	51-121	%REC	198877	1	11/10/2014 19:15	YH
Surr: Nitrobenzene-d5	78.8		0	37.8-120	%REC	198877	1	11/10/2014 19:15	YH
Surr: Phenol-d5	79.1		0	39.9-120	%REC	198877	1	11/10/2014 19:15	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.00031	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,1,2,2-Tetrachloroethane	BRL		0.00082	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,1,2-Trichloroethane	BRL		0.00040	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,1-Dichloroethane	BRL		0.00025	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,1-Dichloroethene	BRL		0.00038	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:05:00 PM
Lab ID:	1411153-030	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,2,4-Trichlorobenzene	BRL		0.00052	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,2-Dibromo-3-chloropropane	BRL		0.00024	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,2-Dibromoethane	BRL		0.00028	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,2-Dichlorobenzene	BRL		0.0010	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,2-Dichloroethane	BRL		0.00043	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,2-Dichloropropane	BRL		0.00026	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,3-Dichlorobenzene	BRL		0.0012	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
1,4-Dichlorobenzene	BRL		0.00033	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
2-Butanone	BRL		0.0067	0.033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
2-Hexanone	BRL		0.0010	0.0066	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
4-Methyl-2-pentanone	BRL		0.00056	0.0066	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Acetone	BRL		0.0084	0.066	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Benzene	BRL		0.00092	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Bromodichloromethane	BRL		0.00033	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Bromoform	BRL		0.00048	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Bromomethane	BRL		0.0011	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Carbon disulfide	BRL		0.0024	0.0066	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Carbon tetrachloride	BRL		0.00043	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Chlorobenzene	BRL		0.00028	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Chloroethane	BRL		0.00028	0.0066	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Chloroform	BRL		0.00028	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Chloromethane	BRL		0.00031	0.0066	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
cis-1,2-Dichloroethene	BRL		0.00035	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
cis-1,3-Dichloropropene	BRL		0.00027	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Cyclohexane	BRL		0.00095	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Dibromochloromethane	BRL		0.00032	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Dichlorodifluoromethane	BRL		0.00048	0.0066	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Ethylbenzene	BRL		0.00027	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Freon-113	BRL		0.00048	0.0066	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Isopropylbenzene	BRL		0.00035	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
m,p-Xylene	BRL		0.00053	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Methyl acetate	BRL		0.00063	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Methyl tert-butyl ether	BRL		0.00040	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Methylcyclohexane	BRL		0.00050	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Methylene chloride	0.0073	J	0.00040	0.013	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
o-Xylene	BRL		0.00021	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Styrene	BRL		0.00027	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Tetrachloroethene	BRL		0.00028	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Toluene	BRL		0.00069	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
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- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 11-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-08-03X008XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/3/2014 1:05:00 PM
Lab ID:	1411153-030	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
trans-1,2-Dichloroethene	BRL		0.00042	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
trans-1,3-Dichloropropene	BRL		0.00025	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Trichloroethene	BRL		0.00048	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Trichlorofluoromethane	BRL		0.00065	0.0033	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Vinyl chloride	BRL		0.00055	0.0066	mg/Kg-dry	198980	1	11/11/2014 04:18	MD
Surr: 4-Bromofluorobenzene	92.3		0	70-128	%REC	198980	1	11/11/2014 04:18	MD
Surr: Dibromofluoromethane	95.7		0	78.2-128	%REC	198980	1	11/11/2014 04:18	MD
Surr: Toluene-d8	96.2		0	76.5-116	%REC	198980	1	11/11/2014 04:18	MD
PERCENT MOISTURE D2216									
Percent Moisture	15.4		0	0	wt%	R279691	1	11/08/2014 08:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC Work Order Number 1411153

Checklist completed by [signature] 11/4/14
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.2 Cooler #2 2.9 Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by MTC

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **MB-196951** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5907932**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	0.33									
2,4,5-Trichlorophenol	BRL	1.7									
2,4,6-Trichlorophenol	BRL	0.33									
2,4-Dichlorophenol	BRL	0.33									
2,4-Dimethylphenol	BRL	0.33									
2,4-Dinitrophenol	BRL	1.7									
2,4-Dinitrotoluene	BRL	0.33									
2,6-Dinitrotoluene	BRL	0.33									
2-Chloronaphthalene	BRL	0.33									
2-Chlorophenol	BRL	0.33									
2-Methylnaphthalene	BRL	0.33									
2-Methylphenol	BRL	0.33									
2-Nitroaniline	BRL	1.7									
2-Nitrophenol	BRL	0.33									
3,3´-Dichlorobenzidine	BRL	0.67									
3-Nitroaniline	BRL	1.7									
4,6-Dinitro-2-methylphenol	BRL	1.7									
4-Bromophenyl phenyl ether	BRL	0.33									
4-Chloro-3-methylphenol	BRL	0.33									
4-Chloroaniline	BRL	0.33									
4-Chlorophenyl phenyl ether	BRL	0.33									
4-Methylphenol	BRL	0.33									
4-Nitroaniline	BRL	1.7									
4-Nitrophenol	BRL	1.7									
Acenaphthene	BRL	0.33									
Acenaphthylene	BRL	0.33									
Acetophenone	BRL	0.33									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **MB-196951** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5907932**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	0.33									
Atrazine	BRL	0.33									
Benz(a)anthracene	BRL	0.33									
Benzaldehyde	BRL	0.33									
Benzo(a)pyrene	BRL	0.33									
Benzo(b)fluoranthene	BRL	0.33									
Benzo(g,h,i)perylene	BRL	0.33									
Benzo(k)fluoranthene	BRL	0.33									
Bis(2-chloroethoxy)methane	BRL	0.33									
Bis(2-chloroethyl)ether	BRL	0.33									
Bis(2-chloroisopropyl)ether	BRL	0.33									
Bis(2-ethylhexyl)phthalate	BRL	0.33									
Butyl benzyl phthalate	BRL	0.33									
Caprolactam	BRL	0.33									
Carbazole	BRL	0.33									
Chrysene	BRL	0.33									
Di-n-butyl phthalate	BRL	0.33									
Di-n-octyl phthalate	BRL	0.33									
Dibenz(a,h)anthracene	BRL	0.33									
Dibenzofuran	BRL	0.33									
Diethyl phthalate	BRL	0.33									
Dimethyl phthalate	BRL	0.33									
Fluoranthene	BRL	0.33									
Fluorene	BRL	0.33									
Hexachlorobenzene	BRL	0.33									
Hexachlorobutadiene	BRL	0.33									
Hexachlorocyclopentadiene	BRL	0.66									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **MB-196951** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5907932**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	0.33									
Indeno(1,2,3-cd)pyrene	BRL	0.33									
Isophorone	BRL	0.33									
N-Nitrosodi-n-propylamine	BRL	0.33									
N-Nitrosodiphenylamine	BRL	0.33									
Naphthalene	BRL	0.33									
Nitrobenzene	BRL	0.33									
Pentachlorophenol	BRL	1.7									
Phenanthrene	BRL	0.33									
Phenol	BRL	0.33									
Pyrene	BRL	0.33									
Surr: 2,4,6-Tribromophenol	2.796	0	3333		83.9	40.2	120				
Surr: 2-Fluorobiphenyl	1.340	0	1667		80.4	45.6	120				
Surr: 2-Fluorophenol	2.481	0	3333		74.4	35.2	120				
Surr: 4-Terphenyl-d14	1.348	0	1667		80.9	51	121				
Surr: Nitrobenzene-d5	1.294	0	1667		77.7	37.8	120				
Surr: Phenol-d5	2.623	0	3333		78.7	39.9	120				

Sample ID: **LCS-196951** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5907937**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	2.948	1.7	3333		88.4	70	130				
2,4,6-Trichlorophenol	3.173	0.33	3333		95.2	70	130				
2,4-Dichlorophenol	3.039	0.33	3333		91.2	70	130				
2,4-Dimethylphenol	2.739	0.33	3333		82.2	70	130				
2,4-Dinitrotoluene	3.280	0.33	3333		98.4	70	130				
2,6-Dinitrotoluene	3.258	0.33	3333		97.7	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **LCS-196951** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5907937**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2.841	0.33	3333		85.2	50	130				
2-Methylphenol	2.969	0.33	3333		89.1	70	130				
3,3´-Dichlorobenzidine	2.165	0.67	3333		65.0	10	130				
4-Bromophenyl phenyl ether	3.023	0.33	3333		90.7	70	130				
4-Chloro-3-methylphenol	3.116	0.33	3333		93.5	50	130				
4-Methylphenol	3.301	0.33	3333		99.0	70	130				
Acenaphthene	4.600	0.33	5000		92.0	70	130				
Acenaphthylene	3.107	0.33	3333		93.2	70	130				
Anthracene	3.182	0.33	3333		95.5	70	130				
Benz(a)anthracene	3.493	0.33	3333		105	70	130				
Benzo(a)pyrene	1.750	0.33	1667		105	70	130				
Benzo(b)fluoranthene	3.263	0.33	3333		97.9	70	130				
Bis(2-chloroethoxy)methane	3.017	0.33	3333		90.5	70	130				
Bis(2-chloroethyl)ether	2.733	0.33	3333		82.0	70	130				
Bis(2-chloroisopropyl)ether	2.849	0.33	3333		85.5	50	130				
Bis(2-ethylhexyl)phthalate	3.302	0.33	3333		99.1	70	130				
Chrysene	3.234	0.33	3333		97.0	70	130				
Di-n-butyl phthalate	3.367	0.33	3333		101	70	130				
Di-n-octyl phthalate	1.803	0.33	1667		108	70	130				
Dibenz(a,h)anthracene	3.235	0.33	3333		97.1	70	130				
Diethyl phthalate	3.296	0.33	3333		98.9	70	130				
Dimethyl phthalate	3.178	0.33	3333		95.4	70	130				
Fluoranthene	1.704	0.33	1667		102	70	130				
Fluorene	3.142	0.33	3333		94.3	70	130				
Hexachlorobenzene	3.166	0.33	3333		95.0	70	130				
Hexachlorobutadiene	4.510	0.33	5000		90.2	70	130				
N-Nitrosodiphenylamine	3.792	0.33	5000		75.8	40	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **LCS-196951** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5907937**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	2.933	0.33	3333		88.0	70	130				
Nitrobenzene	2.843	0.33	3333		85.3	70	130				
Pyrene	2.960	0.33	3333		88.8	70	130				
Surr: 2,4,6-Tribromophenol	3.215	0	3333		96.5	40.2	120				
Surr: 2-Fluorobiphenyl	1.629	0	1667		97.8	45.6	120				
Surr: 2-Fluorophenol	2.939	0	3333		88.2	35.2	120				
Surr: 4-Terphenyl-d14	1.594	0	1667		95.6	51	121				
Surr: Nitrobenzene-d5	1.672	0	1667		100	37.8	120				
Surr: Phenol-d5	3.125	0	3333		93.8	39.9	120				

Sample ID: **LCSD-196951** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5907956**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	3.246	1.7	3333		97.4	70	130				
2,4,6-Trichlorophenol	3.327	0.33	3333		99.8	70	130				
2,4-Dichlorophenol	3.225	0.33	3333		96.8	70	130				
2,4-Dimethylphenol	2.968	0.33	3333		89.0	70	130				
2,4-Dinitrotoluene	3.484	0.33	3333		105	70	130				
2,6-Dinitrotoluene	3.462	0.33	3333		104	70	130				
2-Chlorophenol	3.011	0.33	3333		90.3	50	130				
2-Methylphenol	3.229	0.33	3333		96.9	70	130				
3,3´-Dichlorobenzidine	2.501	0.67	3333		75.0	10	130				
4-Bromophenyl phenyl ether	3.276	0.33	3333		98.3	70	130				
4-Chloro-3-methylphenol	3.378	0.33	3333		101	50	130				
4-Methylphenol	3.508	0.33	3333		105	70	130				
Acenaphthene	4.916	0.33	5000		98.3	70	130				
Acenaphthylene	3.343	0.33	3333		100	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **LCSD-196951** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5907956**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	3.416	0.33	3333		102	70	130				
Benz(a)anthracene	3.806	0.33	3333		114	70	130				
Benzo(a)pyrene	1.904	0.33	1667		114	70	130				
Benzo(b)fluoranthene	3.498	0.33	3333		105	70	130				
Bis(2-chloroethoxy)methane	3.231	0.33	3333		96.9	70	130				
Bis(2-chloroethyl)ether	2.920	0.33	3333		87.6	70	130				
Bis(2-chloroisopropyl)ether	3.140	0.33	3333		94.2	50	130				
Bis(2-ethylhexyl)phthalate	3.601	0.33	3333		108	70	130				
Chrysene	3.589	0.33	3333		108	70	130				
Di-n-butyl phthalate	3.550	0.33	3333		107	70	130				
Di-n-octyl phthalate	1.978	0.33	1667		119	70	130				
Dibenz(a,h)anthracene	3.404	0.33	3333		102	70	130				
Diethyl phthalate	3.481	0.33	3333		104	70	130				
Dimethyl phthalate	3.387	0.33	3333		102	70	130				
Fluoranthene	1.846	0.33	1667		111	70	130				
Fluorene	3.422	0.33	3333		103	70	130				
Hexachlorobenzene	3.401	0.33	3333		102	70	130				
Hexachlorobutadiene	5.015	0.33	5000		100	70	130				
N-Nitrosodiphenylamine	4.075	0.33	5000		81.5	40	130				
Naphthalene	3.160	0.33	3333		94.8	70	130				
Nitrobenzene	3.021	0.33	3333		90.6	70	130				
Pyrene	3.263	0.33	3333		97.9	70	130				
Surr: 2,4,6-Tribromophenol	3.468	0	3333		104	40.2	120				
Surr: 2-Fluorobiphenyl	1.727	0	1667		104	45.6	120				
Surr: 2-Fluorophenol	3.108	0	3333		93.2	35.2	120				
Surr: 4-Terphenyl-d14	1.730	0	1667		104	51	121				
Surr: Nitrobenzene-d5	1.801	0	1667		108	37.8	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **LCSD-196951**	Client ID:		Units: **mg/Kg-dry**	Prep Date: **11/06/2014**	Run No: **279464**
SampleType: **LCS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **196951**	Analysis Date: **11/06/2014**	Seq No: **5907956**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	3.324	0	3333		99.7	39.9	120				

Sample ID: **1411153-022CMS**	Client ID: **SB-06-01X002MD**		Units: **mg/Kg-dry**	Prep Date: **11/06/2014**	Run No: **279464**
SampleType: **MS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **196951**	Analysis Date: **11/06/2014**	Seq No: **5908961**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	4.537	2.7	5200		87.3	37.7	120				
2,4,6-Trichlorophenol	4.687	0.51	5200		90.2	42.7	120				
2,4-Dichlorophenol	4.467	0.51	5200		85.9	35	120				
2,4-Dimethylphenol	4.351	0.51	5200		83.7	41.3	120				
2,4-Dinitrotoluene	4.889	0.51	5199		94.0	40.3	120				
2,6-Dinitrotoluene	4.900	0.51	5200		94.2	40.4	120				
2-Chlorophenol	4.199	0.51	5200		80.8	44.2	120				
2-Methylphenol	4.490	0.51	5200		86.4	35.4	120				
3,3´-Dichlorobenzidine	3.383	1.0	5200		65.1	18.4	120				
4-Bromophenyl phenyl ether	4.439	0.51	5200		85.4	40.8	120				
4-Chloro-3-methylphenol	4.880	0.51	5200		93.9	42.1	120				
4-Methylphenol	5.079	0.51	5200		97.7	40.6	120				
Acenaphthene	6.683	0.51	5200		129	51.1	120				S
Acenaphthylene	4.591	0.51	5200		88.3	45.2	127				
Anthracene	4.727	0.51	5200		90.9	53.1	120				
Benz(a)anthracene	5.273	0.51	5200		101	41.1	120				
Benzo(a)pyrene	2.652	0.51	5200		51.0	31.6	120				
Benzo(b)fluoranthene	4.831	0.51	5200		92.9	32.8	120				
Bis(2-chloroethoxy)methane	4.445	0.51	5200		85.5	45	120				
Bis(2-chloroethyl)ether	4.004	0.51	5200		77.0	45.1	120				
Bis(2-chloroisopropyl)ether	3.450	0.51	5200		66.4	20.5	120				
Bis(2-ethylhexyl)phthalate	5.079	0.51	5200		97.7	44.5	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **1411153-022CMS** Client ID: **SB-06-01X002MD** Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5908961**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chrysene	4.844	0.51	5200		93.2	50	150				
Di-n-butyl phthalate	4.993	0.51	5200		96.0	52.8	120				
Di-n-octyl phthalate	2.870	0.51	5200		55.2	46.7	125				
Dibenz(a,h)anthracene	4.884	0.51	5200		93.9	40.4	120				
Diethyl phthalate	4.870	0.51	5200		93.7	44.5	120				
Dimethyl phthalate	4.709	0.51	5200		90.6	50.1	120				
Fluoranthene	2.563	0.51	5200		49.3	42.7	120				
Fluorene	4.667	0.51	5200		89.8	47.9	120				
Hexachlorobenzene	4.595	0.51	5200		88.4	45.7	120				
Hexachlorobutadiene	6.500	0.51	5200		125	31.7	120				S
N-Nitrosodiphenylamine	5.685	0.51	5200		109	34.1	120				
Naphthalene	4.271	0.51	5200		82.2	43.8	120				
Nitrobenzene	4.153	0.51	5200		79.9	40.6	120				
Pyrene	4.435	0.51	5200		85.3	45.3	120				
Surr: 2,4,6-Tribromophenol	4.922	0	5200		94.7	40.2	120				
Surr: 2-Fluorobiphenyl	2.360	0	2600		90.8	45.6	120				
Surr: 2-Fluorophenol	4.356	0	5200		83.8	35.2	120				
Surr: 4-Terphenyl-d14	2.375	0	2600		91.3	51	121				
Surr: Nitrobenzene-d5	2.405	0	2600		92.5	37.8	120				
Surr: Phenol-d5	4.790	0	5200		92.1	39.9	120				

Sample ID: **1411153-022CMSD** Client ID: **SB-06-01X002MD** Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5908972**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	4.517	2.7	5200		86.9	37.7	120	4537	0.425	22.3	
2,4,6-Trichlorophenol	4.696	0.51	5200		90.3	42.7	120	4687	0.188	24.1	
2,4-Dichlorophenol	4.338	0.51	5200		83.4	35	120	4467	2.93	26.5	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **1411153-022CMSD** Client ID: **SB-06-01X002MD** Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5908972**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dimethylphenol	4.328	0.51	5200		83.2	41.3	120	4351	0.539	34	
2,4-Dinitrotoluene	4.841	0.51	5199		93.1	40.3	120	4889	0.994	38.7	
2,6-Dinitrotoluene	4.842	0.51	5200		93.1	40.4	120	4900	1.18	24.6	
2-Chlorophenol	4.215	0.51	5200		81.1	44.2	120	4199	0.383	32.9	
2-Methylphenol	4.442	0.51	5200		85.4	35.4	120	4490	1.07	28.8	
3,3´-Dichlorobenzidine	3.834	1.0	5200		73.7	18.4	120	3383	12.5	32.9	
4-Bromophenyl phenyl ether	4.477	0.51	5200		86.1	40.8	120	4439	0.851	29.1	
4-Chloro-3-methylphenol	4.775	0.51	5200		91.8	42.1	120	4880	2.18	33.2	
4-Methylphenol	5.052	0.51	5200		97.2	40.6	120	5079	0.534	27.8	
Acenaphthene	6.795	0.51	5200		131	51.1	120	6683	1.65	30.5	S
Acenaphthylene	4.655	0.51	5200		89.5	45.2	127	4591	1.38	19.9	
Anthracene	4.785	0.51	5200		92.0	53.1	120	4727	1.21	28.9	
Benz(a)anthracene	5.320	0.51	5200		102	41.1	120	5273	0.884	29.6	
Benzo(a)pyrene	2.720	0.51	5200		52.3	31.6	120	2652	2.54	33.6	
Benzo(b)fluoranthene	4.871	0.51	5200		93.7	32.8	120	4831	0.815	26.7	
Bis(2-chloroethoxy)methane	4.558	0.51	5200		87.7	45	120	4445	2.51	29.6	
Bis(2-chloroethyl)ether	4.084	0.51	5200		78.6	45.1	120	4004	1.99	30.4	
Bis(2-chloroisopropyl)ether	3.533	0.51	5200		67.9	20.5	120	3450	2.35	51.2	
Bis(2-ethylhexyl)phthalate	5.114	0.51	5200		98.4	44.5	120	5079	0.684	28.3	
Chrysene	4.907	0.51	5200		94.4	50	150	4844	1.29	30	
Di-n-butyl phthalate	5.075	0.51	5200		97.6	52.8	120	4993	1.63	27.8	
Di-n-octyl phthalate	2.916	0.51	5200		56.1	46.7	125	2870	1.62	34.9	
Dibenz(a,h)anthracene	4.792	0.51	5200		92.2	40.4	120	4884	1.90	39	
Diethyl phthalate	4.911	0.51	5200		94.5	44.5	120	4870	0.840	27.3	
Dimethyl phthalate	4.756	0.51	5200		91.5	50.1	120	4709	1.000	23.4	
Fluoranthene	2.583	0.51	5200		49.7	42.7	120	2563	0.748	28.9	
Fluorene	4.688	0.51	5200		90.2	47.9	120	4667	0.445	26.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 196951

Sample ID: **1411153-022CMSD** Client ID: **SB-06-01X002MD** Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279464**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **196951** Analysis Date: **11/06/2014** Seq No: **5908972**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachlorobenzene	4.792	0.51	5200		92.2	45.7	120	4595	4.20	30.5	
Hexachlorobutadiene	6.665	0.51	5200		128	31.7	120	6500	2.50	32.8	S
N-Nitrosodiphenylamine	5.765	0.51	5200		111	34.1	120	5685	1.40	29.2	
Naphthalene	4.349	0.51	5200		83.7	43.8	120	4271	1.81	30.4	
Nitrobenzene	4.162	0.51	5200		80.1	40.6	120	4153	0.213	26.4	
Pyrene	4.554	0.51	5200		87.6	45.3	120	4435	2.64	32.8	
Surr: 2,4,6-Tribromophenol	4.861	0	5200		93.5	40.2	120	4922	0	0	
Surr: 2-Fluorobiphenyl	2.413	0	2600		92.8	45.6	120	2360	0	0	
Surr: 2-Fluorophenol	4.489	0	5200		86.3	35.2	120	4356	0	0	
Surr: 4-Terphenyl-d14	2.407	0	2600		92.6	51	121	2375	0	0	
Surr: Nitrobenzene-d5	2.471	0	2600		95.1	37.8	120	2405	0	0	
Surr: Phenol-d5	4.808	0	5200		92.5	39.9	120	4790	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198709

Sample ID: **MB-198709** Client ID: Units: **ug/L** Prep Date: **11/05/2014** Run No: **279598**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198709** Analysis Date: **11/07/2014** Seq No: **5910879**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	10									
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3´-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198709

Sample ID: **MB-198709** Client ID: Units: **ug/L** Prep Date: **11/05/2014** Run No: **279598**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198709** Analysis Date: **11/07/2014** Seq No: **5910879**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198709

Sample ID: **MB-198709** Client ID: Units: **ug/L** Prep Date: **11/05/2014** Run No: **279598**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198709** Analysis Date: **11/07/2014** Seq No: **5910879**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	80.96	0	100.0		81.0	51.5	124				
Surr: 2-Fluorobiphenyl	41.54	0	50.00		83.1	51.7	118				
Surr: 2-Fluorophenol	39.16	0	100.0		39.2	26	120				
Surr: 4-Terphenyl-d14	47.81	0	50.00		95.6	45.2	137				
Surr: Nitrobenzene-d5	40.38	0	50.00		80.8	42	120				
Surr: Phenol-d5	68.36	0	100.0		68.4	12.3	120				

Sample ID: **LCS-198709** Client ID: Units: **ug/L** Prep Date: **11/05/2014** Run No: **279598**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198709** Analysis Date: **11/07/2014** Seq No: **5910886**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	91.26	25	100.0		91.3	70	130				
2,4,6-Trichlorophenol	97.08	10	100.0		97.1	70	130				
2,4-Dichlorophenol	84.66	10	100.0		84.7	70	130				
2,4-Dimethylphenol	74.55	10	100.0		74.6	70	130				
2,4-Dinitrotoluene	104.3	10	100.0		104	70	130				
2,6-Dinitrotoluene	101.9	10	100.0		102	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198709

Sample ID: **LCS-198709** Client ID: Units: **ug/L** Prep Date: **11/05/2014** Run No: **279598**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198709** Analysis Date: **11/07/2014** Seq No: **5910886**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	80.22	10	100.0		80.2	50	130				
2-Methylphenol	84.06	10	100.0		84.1	70	130				
3,3´-Dichlorobenzidine	58.86	10	100.0		58.9	10	130				
4-Bromophenyl phenyl ether	104.6	10	100.0		105	70	130				
4-Chloro-3-methylphenol	90.66	10	100.0		90.7	70	130				
4-Methylphenol	93.14	10	100.0		93.1	70	130				
Acenaphthene	153.8	10	150.0		102	70	130				
Acenaphthylene	100.2	10	100.0		100	70	130				
Anthracene	105.8	10	100.0		106	70	130				
Benz(a)anthracene	117.3	10	100.0		117	70	130				
Benzo(a)pyrene	54.62	10	50.00		109	70	130				
Benzo(b)fluoranthene	91.91	10	100.0		91.9	70	130				
Bis(2-chloroethoxy)methane	96.27	10	100.0		96.3	70	130				
Bis(2-chloroethyl)ether	84.76	10	100.0		84.8	70	130				
Bis(2-chloroisopropyl)ether	74.68	10	100.0		74.7	50	130				
Bis(2-ethylhexyl)phthalate	102.0	10	100.0		102	70	130				
Chrysene	107.1	10	100.0		107	70	130				
Di-n-butyl phthalate	102.2	10	100.0		102	70	130				
Di-n-octyl phthalate	54.13	10	50.00		108	70	130				
Dibenz(a,h)anthracene	114.0	10	100.0		114	70	130				
Diethyl phthalate	102.1	10	100.0		102	70	130				
Dimethyl phthalate	101.3	10	100.0		101	70	130				
Fluoranthene	55.10	10	50.00		110	70	130				
Fluorene	105.2	10	100.0		105	70	130				
Hexachlorobenzene	106.4	10	100.0		106	70	130				
Hexachlorobutadiene	103.1	10	150.0		68.7	70	130				S
N-Nitrosodiphenylamine	131.1	10	150.0		87.4	40	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198709

Sample ID: **LCS-198709** Client ID: Units: **ug/L** Prep Date: **11/05/2014** Run No: **279598**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198709** Analysis Date: **11/07/2014** Seq No: **5910886**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	88.00	10	100.0		88.0	70	130				
Nitrobenzene	87.53	10	100.0		87.5	70	130				
Pyrene	104.5	10	100.0		105	70	130				
Surr: 2,4,6-Tribromophenol	111.4	0	100.0		111	51.5	124				
Surr: 2-Fluorobiphenyl	53.86	0	50.00		108	51.7	118				
Surr: 2-Fluorophenol	63.50	0	100.0		63.5	26	120				
Surr: 4-Terphenyl-d14	55.48	0	50.00		111	45.2	137				
Surr: Nitrobenzene-d5	47.70	0	50.00		95.4	42	120				
Surr: Phenol-d5	87.48	0	100.0		87.5	12.3	120				

Sample ID: **1410S08-002DMS** Client ID: Units: **ug/L** Prep Date: **11/05/2014** Run No: **279598**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198709** Analysis Date: **11/07/2014** Seq No: **5910889**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	BRL	130	100.0		56.7	62.7	121				JS
2,4,6-Trichlorophenol	62.00	50	100.0		62.0	64.4	120				S
2,4-Dichlorophenol	BRL	50	100.0		39.6	58.3	120				JS
2,4-Dimethylphenol	BRL	50	100.0		35.0	51.9	120				JS
2,4-Dinitrotoluene	74.00	50	100.0		74.0	50.1	120				
2,6-Dinitrotoluene	72.90	50	100.0	160.7	-87.8	55.3	136				S
2-Chlorophenol	53.00	50	100.0		53.0	50.4	120				
2-Methylphenol	53.70	50	100.0		53.7	49.4	120				
3,3´-Dichlorobenzidine	BRL	50	100.0		0	39.6	120				S
4-Bromophenyl phenyl ether	62.70	50	100.0		62.7	49.8	126				
4-Chloro-3-methylphenol	64.10	50	100.0		64.1	51.1	118				
4-Methylphenol	52.30	50	100.0		52.3	46.7	120				
Acenaphthene	112.0	50	150.0		74.7	51.9	120				
Acenaphthylene	72.00	50	100.0		72.0	49.5	133				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198709

Sample ID: **1410S08-002DMS** Client ID: Units: **ug/L** Prep Date: **11/05/2014** Run No: **279598**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198709** Analysis Date: **11/07/2014** Seq No: **5910889**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	68.40	50	100.0		68.4	60.2	117				
Benz(a)anthracene	64.60	50	100.0		64.6	55.5	129				
Benzo(a)pyrene	29.00	50	50.00		58.0	56	121				J
Benzo(b)fluoranthene	BRL	50	100.0		48.8	51.8	120				JS
Bis(2-chloroethoxy)methane	71.80	50	100.0		71.8	63.4	120				
Bis(2-chloroethyl)ether	65.50	50	100.0		65.5	43	119				
Bis(2-chloroisopropyl)ether	69.50	50	100.0		69.5	41.9	120				
Bis(2-ethylhexyl)phthalate	60.40	50	100.0	12.70	47.7	50	133				S
Chrysene	61.70	50	100.0		61.7	58.2	120				
Di-n-butyl phthalate	57.50	50	100.0		57.5	55	131				
Di-n-octyl phthalate	28.90	50	50.00		57.8	35.9	146				J
Dibenz(a,h)anthracene	65.20	50	100.0		65.2	55.6	120				
Diethyl phthalate	77.40	50	100.0	9.200	68.2	54.8	132				
Dimethyl phthalate	75.80	50	100.0		75.8	59.6	124				
Fluoranthene	34.80	50	50.00		69.6	59.4	128				J
Fluorene	77.20	50	100.0		77.2	49.7	135				
Hexachlorobenzene	59.20	50	100.0		59.2	55.4	123				
Hexachlorobutadiene	72.00	50	150.0		48.0	44.5	120				
N-Nitrosodiphenylamine	97.80	50	150.0		65.2	45.6	120				
Naphthalene	71.00	50	100.0		71.0	56.9	120				
Nitrobenzene	BRL	50	100.0		46.1	58.3	119				JS
Pyrene	66.20	50	100.0		66.2	50.6	120				
Surr: 2,4,6-Tribromophenol	76.60	0	100.0		76.6	51.5	124				
Surr: 2-Fluorobiphenyl	37.60	0	50.00		75.2	51.7	118				
Surr: 2-Fluorophenol	28.80	0	100.0		28.8	26	120				
Surr: 4-Terphenyl-d14	21.10	0	50.00		42.2	45.2	137				S
Surr: Nitrobenzene-d5	35.20	0	50.00		70.4	42	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198709

Sample ID: **1410S08-002DMS**	Client ID:		Units: **ug/L**	Prep Date: **11/05/2014**	Run No: **279598**
SampleType: **MS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **198709**	Analysis Date: **11/07/2014**	Seq No: **5910889**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	44.70	0	100.0		44.7	12.3	120				

Sample ID: **1410S08-002DMSD**	Client ID:		Units: **ug/L**	Prep Date: **11/05/2014**	Run No: **279598**
SampleType: **MSD**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **198709**	Analysis Date: **11/07/2014**	Seq No: **5910890**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	63.50	130	100.0		63.5	62.7	121	56.70	0	28.3	J
2,4,6-Trichlorophenol	69.50	50	100.0		69.5	64.4	120	62.00	11.4	27.8	
2,4-Dichlorophenol	56.40	50	100.0		56.4	58.3	120	39.60	35.0	28.3	SR
2,4-Dimethylphenol	BRL	50	100.0		30.3	51.9	120	35.00	0	28.3	JS
2,4-Dinitrotoluene	64.50	50	100.0		64.5	50.1	120	74.00	13.7	27.3	
2,6-Dinitrotoluene	73.50	50	100.0	160.7	-87.2	55.3	136	72.90	0.820	20.7	S
2-Chlorophenol	50.40	50	100.0		50.4	50.4	120	53.00	5.03	26.1	
2-Methylphenol	54.20	50	100.0		54.2	49.4	120	53.70	0.927	28.1	
3,3´-Dichlorobenzidine	BRL	50	100.0		0	39.6	120	0	0	26.6	S
4-Bromophenyl phenyl ether	66.60	50	100.0		66.6	49.8	126	62.70	6.03	27.2	
4-Chloro-3-methylphenol	67.10	50	100.0		67.1	51.1	118	64.10	4.57	25.8	
4-Methylphenol	67.20	50	100.0		67.2	46.7	120	52.30	24.9	26.6	
Acenaphthene	108.2	50	150.0		72.1	51.9	120	112.0	3.45	24.9	
Acenaphthylene	70.30	50	100.0		70.3	49.5	133	72.00	2.39	23.8	
Anthracene	66.30	50	100.0		66.3	60.2	117	68.40	3.12	28.7	
Benz(a)anthracene	69.10	50	100.0		69.1	55.5	129	64.60	6.73	31.6	
Benzo(a)pyrene	32.20	50	50.00		64.4	56	121	29.00	0	32.5	J
Benzo(b)fluoranthene	50.40	50	100.0		50.4	51.8	120	48.80	3.23	32.1	S
Bis(2-chloroethoxy)methane	65.30	50	100.0		65.3	63.4	120	71.80	9.48	29.4	
Bis(2-chloroethyl)ether	62.40	50	100.0		62.4	43	119	65.50	4.85	29.1	
Bis(2-chloroisopropyl)ether	51.40	50	100.0		51.4	41.9	120	69.50	29.9	25.4	R
Bis(2-ethylhexyl)phthalate	66.40	50	100.0	12.70	53.7	50	133	60.40	9.46	29.3	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198709

Sample ID: **1410S08-002DMSD** Client ID: Units: **ug/L** Prep Date: **11/05/2014** Run No: **279598**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198709** Analysis Date: **11/07/2014** Seq No: **5910890**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chrysene	67.40	50	100.0		67.4	58.2	120	61.70	8.83	30.4	
Di-n-butyl phthalate	61.10	50	100.0		61.1	55	131	57.50	6.07	27.6	
Di-n-octyl phthalate	32.00	50	50.00		64.0	35.9	146	28.90	0	34.2	J
Dibenz(a,h)anthracene	70.50	50	100.0		70.5	55.6	120	65.20	7.81	33.8	
Diethyl phthalate	72.80	50	100.0	9.200	63.6	54.8	132	77.40	6.13	28.4	
Dimethyl phthalate	72.50	50	100.0		72.5	59.6	124	75.80	4.45	26	
Fluoranthene	35.00	50	50.00		70.0	59.4	128	34.80	0	31.4	J
Fluorene	71.10	50	100.0		71.1	49.7	135	77.20	8.23	27.4	
Hexachlorobenzene	61.10	50	100.0		61.1	55.4	123	59.20	3.16	26.6	
Hexachlorobutadiene	65.20	50	150.0		43.5	44.5	120	72.00	9.91	29.8	S
N-Nitrosodiphenylamine	96.60	50	150.0		64.4	45.6	120	97.80	1.23	26	
Naphthalene	61.00	50	100.0		61.0	56.9	120	71.00	15.2	29.7	
Nitrobenzene	58.00	50	100.0		58.0	58.3	119	46.10	22.9	26.6	S
Pyrene	64.70	50	100.0		64.7	50.6	120	66.20	2.29	26.7	
Surr: 2,4,6-Tribromophenol	73.10	0	100.0		73.1	51.5	124	76.60	0	0	
Surr: 2-Fluorobiphenyl	35.80	0	50.00		71.6	51.7	118	37.60	0	0	
Surr: 2-Fluorophenol	13.10	0	100.0		13.1	26	120	28.80	0	0	S
Surr: 4-Terphenyl-d14	26.40	0	50.00		52.8	45.2	137	21.10	0	0	
Surr: Nitrobenzene-d5	31.60	0	50.00		63.2	42	120	35.20	0	0	
Surr: Phenol-d5	57.50	0	100.0		57.5	12.3	120	44.70	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198787

Sample ID: **MB-198787** Client ID: Units: **mg/Kg-dry** Prep Date: **11/05/2014** Run No: **279394**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198787** Analysis Date: **11/05/2014** Seq No: **5906733**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	0.0050									
1,1,2,2-Tetrachloroethane	BRL	0.0050									
1,1,2-Trichloroethane	BRL	0.0050									
1,1-Dichloroethane	BRL	0.0050									
1,1-Dichloroethene	BRL	0.0050									
1,2,4-Trichlorobenzene	BRL	0.0050									
1,2-Dibromo-3-chloropropane	BRL	0.0050									
1,2-Dibromoethane	BRL	0.0050									
1,2-Dichlorobenzene	BRL	0.0050									
1,2-Dichloroethane	BRL	0.0050									
1,2-Dichloropropane	BRL	0.0050									
1,3-Dichlorobenzene	BRL	0.0050									
1,4-Dichlorobenzene	BRL	0.0050									
2-Butanone	BRL	0.050									
2-Hexanone	BRL	0.010									
4-Methyl-2-pentanone	BRL	0.010									
Acetone	BRL	0.10									
Benzene	BRL	0.0050									
Bromodichloromethane	BRL	0.0050									
Bromoform	BRL	0.0050									
Bromomethane	BRL	0.0050									
Carbon disulfide	BRL	0.010									
Carbon tetrachloride	BRL	0.0050									
Chlorobenzene	BRL	0.0050									
Chloroethane	BRL	0.010									
Chloroform	BRL	0.0050									
Chloromethane	BRL	0.010									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198787

Sample ID: **MB-198787** Client ID: Units: **mg/Kg-dry** Prep Date: **11/05/2014** Run No: **279394**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198787** Analysis Date: **11/05/2014** Seq No: **5906733**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	0.0050									
cis-1,3-Dichloropropene	BRL	0.0050									
Cyclohexane	BRL	0.0050									
Dibromochloromethane	BRL	0.0050									
Dichlorodifluoromethane	BRL	0.010									
Ethylbenzene	BRL	0.0050									
Freon-113	BRL	0.010									
Isopropylbenzene	BRL	0.0050									
m,p-Xylene	BRL	0.0050									
Methyl acetate	BRL	0.0050									
Methyl tert-butyl ether	BRL	0.0050									
Methylcyclohexane	BRL	0.0050									
Methylene chloride	BRL	0.020									
o-Xylene	BRL	0.0050									
Styrene	BRL	0.0050									
Tetrachloroethene	BRL	0.0050									
Toluene	BRL	0.0050									
trans-1,2-Dichloroethene	BRL	0.0050									
trans-1,3-Dichloropropene	BRL	0.0050									
Trichloroethene	BRL	0.0050									
Trichlorofluoromethane	BRL	0.0050									
Vinyl chloride	BRL	0.010									
Surr: 4-Bromofluorobenzene	0.04723	0	50.00		94.5	70	130				
Surr: Dibromofluoromethane	0.04599	0	50.00		92.0	70	130				
Surr: Toluene-d8	0.04713	0	50.00		94.3	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198787

Sample ID: **LCS-198787** Client ID: Units: **mg/Kg-dry** Prep Date: **11/05/2014** Run No: **279492**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198787** Analysis Date: **11/06/2014** Seq No: **5908778**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.05595	0.0050	50.00		112	70	130				
1,1,2,2-Tetrachloroethane	0.04051	0.0050	50.00		81.0	70	130				
1,1,2-Trichloroethane	0.04352	0.0050	50.00		87.0	70	130				
1,1-Dichloroethane	0.04797	0.0050	50.00		95.9	70	130				
1,1-Dichloroethene	0.04813	0.0050	50.00		96.3	60	140				
1,2,4-Trichlorobenzene	0.07395	0.0050	50.00		148	70	130				S
1,2-Dibromo-3-chloropropane	0.04126	0.0050	50.00		82.5	70	130				
1,2-Dibromoethane	0.04699	0.0050	50.00		94.0	70	130				
1,2-Dichlorobenzene	0.05344	0.0050	50.00		107	70	130				
1,2-Dichloroethane	0.04600	0.0050	50.00		92.0	70	130				
1,2-Dichloropropane	0.04788	0.0050	50.00		95.8	70	130				
1,3-Dichlorobenzene	0.05670	0.0050	50.00		113	70	130				
1,4-Dichlorobenzene	0.05607	0.0050	50.00		112	70	130				
Benzene	0.05528	0.0050	50.00		111	70	130				
Bromodichloromethane	0.04654	0.0050	50.00		93.1	70	130				
Bromoform	0.04586	0.0050	50.00		91.7	70	130				
Carbon tetrachloride	0.06111	0.0050	50.00		122	70	130				
Chlorobenzene	0.05472	0.0050	50.00		109	70	130				
Chloroform	0.04873	0.0050	50.00		97.5	70	130				
cis-1,2-Dichloroethene	0.04999	0.0050	50.00		100.0	70	130				
cis-1,3-Dichloropropene	0.04704	0.0050	50.00		94.1	70	130				
Dibromochloromethane	0.04928	0.0050	50.00		98.6	70	130				
Ethylbenzene	0.05943	0.0050	50.00		119	70	130				
Isopropylbenzene	0.05754	0.0050	50.00		115	70	130				
m,p-Xylene	0.1199	0.0050	100.0		120	70	130				
Methylene chloride	0.03948	0.020	50.00		79.0	70	130				
o-Xylene	0.05840	0.0050	50.00		117	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198787

Sample ID: **LCS-198787** Client ID: Units: **mg/Kg-dry** Prep Date: **11/05/2014** Run No: **279492**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198787** Analysis Date: **11/06/2014** Seq No: **5908778**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	0.05822	0.0050	50.00		116	70	130				
Tetrachloroethene	0.06998	0.0050	50.00		140	70	130				S
Toluene	0.05527	0.0050	50.00		111	70	130				
trans-1,2-Dichloroethene	0.05941	0.0050	50.00		119	70	130				
trans-1,3-Dichloropropene	0.03922	0.0050	50.00		78.4	70	130				
Trichloroethene	0.06068	0.0050	50.00		121	70	130				
Vinyl chloride	0.03973	0.010	50.00		79.5	70	130				
Surr: 4-Bromofluorobenzene	0.04972	0	50.00		99.4	70	130				
Surr: Dibromofluoromethane	0.04774	0	50.00		95.5	70	130				
Surr: Toluene-d8	0.04795	0	50.00		95.9	70	130				

Sample ID: **1411153-006AMS** Client ID: **SB-08-03X008XD** Units: **mg/Kg-dry** Prep Date: **11/05/2014** Run No: **279492**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198787** Analysis Date: **11/06/2014** Seq No: **5908759**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.04385	0.0048	47.80		91.7	70	135				
1,1,2,2-Tetrachloroethane	0.03876	0.0048	47.80		81.1	70.2	126				
1,1,2-Trichloroethane	0.04109	0.0048	47.80		86.0	72.3	130				
1,1-Dichloroethane	0.03961	0.0048	47.80		82.9	60.8	140				
1,1-Dichloroethene	0.03632	0.0048	47.80		76.0	56.6	151				
1,2,4-Trichlorobenzene	0.05126	0.0048	47.80		107	62.2	135				
1,2-Dibromo-3-chloropropane	0.03494	0.0048	47.80		73.1	60.6	126				
1,2-Dibromoethane	0.04229	0.0048	47.80		88.5	74.1	123				
1,2-Dichlorobenzene	0.04417	0.0048	47.80		92.4	70.4	130				
1,2-Dichloroethane	0.04181	0.0048	47.80		87.5	70.2	129				
1,2-Dichloropropane	0.04209	0.0048	47.80		88.0	70.1	129				
1,3-Dichlorobenzene	0.04544	0.0048	47.80		95.1	70.7	130				
1,4-Dichlorobenzene	0.04658	0.0048	47.80		97.4	70.6	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198787

Sample ID: **1411153-006AMS** Client ID: **SB-08-03X008XD** Units: **mg/Kg-dry** Prep Date: **11/05/2014** Run No: **279492**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198787** Analysis Date: **11/06/2014** Seq No: **5908759**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	0.04532	0.0048	47.80		94.8	70.4	130				
Bromodichloromethane	0.04110	0.0048	47.80		86.0	70	125				
Bromoform	0.03898	0.0048	47.80		81.5	65.2	122				
Carbon tetrachloride	0.04700	0.0048	47.80		98.3	64.3	138				
Chlorobenzene	0.04516	0.0048	47.80		94.5	67.5	132				
Chloroform	0.04194	0.0048	47.80		87.7	73.9	130				
cis-1,2-Dichloroethene	0.04217	0.0048	47.80		88.2	70.9	139				
cis-1,3-Dichloropropene	0.04190	0.0048	47.80		87.6	60.4	120				
Dibromochloromethane	0.04274	0.0048	47.80		89.4	65.1	121				
Ethylbenzene	0.04597	0.0048	47.80		96.2	64.9	136				
Isopropylbenzene	0.04521	0.0048	47.80		94.6	70.2	129				
m,p-Xylene	0.09114	0.0048	95.61		95.3	60.2	138				
Methylene chloride	0.04908	0.019	47.80	18.08	64.9	64.5	158				
o-Xylene	0.04624	0.0048	47.80		96.7	61.5	134				
Styrene	0.04725	0.0048	47.80		98.8	72.9	130				
Tetrachloroethene	0.05292	0.0048	47.80		111	70.1	134				
Toluene	0.04484	0.0048	47.80		93.8	70.4	130				
trans-1,2-Dichloroethene	0.04504	0.0048	47.80		94.2	60.4	158				
trans-1,3-Dichloropropene	0.03489	0.0048	47.80		73.0	60.1	117				
Trichloroethene	0.04796	0.0048	47.80		100	70.1	137				
Vinyl chloride	0.02996	0.0096	47.80		62.7	60	128				
Surr: 4-Bromofluorobenzene	0.04698	0	47.80		98.3	70	128				
Surr: Dibromofluoromethane	0.04733	0	47.80		99.0	78.2	128				
Surr: Toluene-d8	0.04674	0	47.80		97.8	76.5	116				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198787

Sample ID: **1411153-006AMSD** Client ID: **SB-08-03X008XD** Units: **mg/Kg-dry** Prep Date: **11/05/2014** Run No: **279492**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198787** Analysis Date: **11/06/2014** Seq No: **5908760**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.04353	0.0048	47.80		91.1	70	135	0	0	18.7	
1,1,2,2-Tetrachloroethane	0.03993	0.0048	47.80		83.5	70.2	126	0	0	15	
1,1,2-Trichloroethane	0.04075	0.0048	47.80		85.2	72.3	130	0	0	14.1	
1,1-Dichloroethane	0.04083	0.0048	47.80		85.4	60.8	140	0	0	14.1	
1,1-Dichloroethene	0.03691	0.0048	47.80		77.2	56.6	151	0	0	20.4	
1,2,4-Trichlorobenzene	0.05376	0.0048	47.80		112	62.2	135	0	0	23.9	
1,2-Dibromo-3-chloropropane	0.03763	0.0048	47.80		78.7	60.6	126	0	0	15.2	
1,2-Dibromoethane	0.04288	0.0048	47.80		89.7	74.1	123	0	0	14.4	
1,2-Dichlorobenzene	0.04471	0.0048	47.80		93.5	70.4	130	0	0	15	
1,2-Dichloroethane	0.04103	0.0048	47.80		85.8	70.2	129	0	0	15	
1,2-Dichloropropane	0.04052	0.0048	47.80		84.8	70.1	129	0	0	15.1	
1,3-Dichlorobenzene	0.04576	0.0048	47.80		95.7	70.7	130	0	0	15.2	
1,4-Dichlorobenzene	0.04630	0.0048	47.80		96.9	70.6	130	0	0	14.5	
Benzene	0.04483	0.0048	47.80		93.8	70.4	130	0	0	16.9	
Bromodichloromethane	0.04084	0.0048	47.80		85.4	70	125	0	0	15	
Bromoform	0.03908	0.0048	47.80		81.8	65.2	122	0	0	15.1	
Carbon tetrachloride	0.04550	0.0048	47.80		95.2	64.3	138	0	0	25.2	
Chlorobenzene	0.04506	0.0048	47.80		94.3	67.5	132	0	0	14.6	
Chloroform	0.04317	0.0048	47.80		90.3	73.9	130	0	0	15	
cis-1,2-Dichloroethene	0.04342	0.0048	47.80		90.8	70.9	139	0	0	15	
cis-1,3-Dichloropropene	0.04103	0.0048	47.80		85.8	60.4	120	0	0	15.6	
Dibromochloromethane	0.04299	0.0048	47.80		89.9	65.1	121	0	0	16.3	
Ethylbenzene	0.04588	0.0048	47.80		96.0	64.9	136	0	0	16.3	
Isopropylbenzene	0.04563	0.0048	47.80		95.5	70.2	129	0	0	18.8	
m,p-Xylene	0.09065	0.0048	95.61		94.8	60.2	138	0	0	16.3	
Methylene chloride	0.05023	0.019	47.80	18.08	67.3	64.5	158	0	0	23.7	
o-Xylene	0.04606	0.0048	47.80		96.4	61.5	134	0	0	16.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198787

Sample ID: **1411153-006AMSD** Client ID: **SB-08-03X008XD** Units: **mg/Kg-dry** Prep Date: **11/05/2014** Run No: **279492**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198787** Analysis Date: **11/06/2014** Seq No: **5908760**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	0.04719	0.0048	47.80		98.7	72.9	130	0	0	15	
Tetrachloroethene	0.05067	0.0048	47.80		106	70.1	134	0	0	19.3	
Toluene	0.04401	0.0048	47.80		92.1	70.4	130	0	0	16.6	
trans-1,2-Dichloroethene	0.04604	0.0048	47.80		96.3	60.4	158	0	0	54.5	
trans-1,3-Dichloropropene	0.03484	0.0048	47.80		72.9	60.1	117	0	0	15	
Trichloroethene	0.04731	0.0048	47.80		99.0	70.1	137	0	0	17	
Vinyl chloride	0.03054	0.0096	47.80		63.9	60	128	0	0	31.4	
Surr: 4-Bromofluorobenzene	0.04644	0	47.80		97.1	70	128	0	0	0	
Surr: Dibromofluoromethane	0.04643	0	47.80		97.1	78.2	128	0	0	0	
Surr: Toluene-d8	0.04550	0	47.80		95.2	76.5	116	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198845

Sample ID: **MB-198845** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279493**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198845** Analysis Date: **11/06/2014** Seq No: **5908866**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	0.0050									
1,1,2,2-Tetrachloroethane	BRL	0.0050									
1,1,2-Trichloroethane	BRL	0.0050									
1,1-Dichloroethane	BRL	0.0050									
1,1-Dichloroethene	BRL	0.0050									
1,2,4-Trichlorobenzene	BRL	0.0050									
1,2-Dibromo-3-chloropropane	BRL	0.0050									
1,2-Dibromoethane	BRL	0.0050									
1,2-Dichlorobenzene	BRL	0.0050									
1,2-Dichloroethane	BRL	0.0050									
1,2-Dichloropropane	BRL	0.0050									
1,3-Dichlorobenzene	BRL	0.0050									
1,4-Dichlorobenzene	BRL	0.0050									
2-Butanone	BRL	0.050									
2-Hexanone	BRL	0.010									
4-Methyl-2-pentanone	BRL	0.010									
Acetone	BRL	0.10									
Benzene	BRL	0.0050									
Bromodichloromethane	BRL	0.0050									
Bromoform	BRL	0.0050									
Bromomethane	BRL	0.0050									
Carbon disulfide	BRL	0.010									
Carbon tetrachloride	BRL	0.0050									
Chlorobenzene	BRL	0.0050									
Chloroethane	BRL	0.010									
Chloroform	BRL	0.0050									
Chloromethane	BRL	0.010									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198845

Sample ID: **MB-198845** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279493**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198845** Analysis Date: **11/06/2014** Seq No: **5908866**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	0.0050									
cis-1,3-Dichloropropene	BRL	0.0050									
Cyclohexane	BRL	0.0050									
Dibromochloromethane	BRL	0.0050									
Dichlorodifluoromethane	BRL	0.010									
Ethylbenzene	BRL	0.0050									
Freon-113	BRL	0.010									
Isopropylbenzene	BRL	0.0050									
m,p-Xylene	BRL	0.0050									
Methyl acetate	BRL	0.0050									
Methyl tert-butyl ether	BRL	0.0050									
Methylcyclohexane	BRL	0.0050									
Methylene chloride	BRL	0.020									
o-Xylene	BRL	0.0050									
Styrene	BRL	0.0050									
Tetrachloroethene	BRL	0.0050									
Toluene	BRL	0.0050									
trans-1,2-Dichloroethene	BRL	0.0050									
trans-1,3-Dichloropropene	BRL	0.0050									
Trichloroethene	BRL	0.0050									
Trichlorofluoromethane	BRL	0.0050									
Vinyl chloride	BRL	0.010									
Surr: 4-Bromofluorobenzene	0.04610	0	50.00		92.2	70	130				
Surr: Dibromofluoromethane	0.04690	0	50.00		93.8	70	130				
Surr: Toluene-d8	0.04681	0	50.00		93.6	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198845

Sample ID: **LCS-198845** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279493**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198845** Analysis Date: **11/06/2014** Seq No: **5908856**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.05338	0.0050	50.00		107	70	130				
1,1,2,2-Tetrachloroethane	0.04026	0.0050	50.00		80.5	70	130				
1,1,2-Trichloroethane	0.04344	0.0050	50.00		86.9	70	130				
1,1-Dichloroethane	0.04624	0.0050	50.00		92.5	70	130				
1,1-Dichloroethene	0.04464	0.0050	50.00		89.3	60	140				
1,2,4-Trichlorobenzene	0.06036	0.0050	50.00		121	70	130				
1,2-Dibromo-3-chloropropane	0.03746	0.0050	50.00		74.9	70	130				
1,2-Dibromoethane	0.04510	0.0050	50.00		90.2	70	130				
1,2-Dichlorobenzene	0.04946	0.0050	50.00		98.9	70	130				
1,2-Dichloroethane	0.04517	0.0050	50.00		90.3	70	130				
1,2-Dichloropropane	0.04679	0.0050	50.00		93.6	70	130				
1,3-Dichlorobenzene	0.05324	0.0050	50.00		106	70	130				
1,4-Dichlorobenzene	0.05183	0.0050	50.00		104	70	130				
Benzene	0.05262	0.0050	50.00		105	70	130				
Bromodichloromethane	0.04527	0.0050	50.00		90.5	70	130				
Bromoform	0.04175	0.0050	50.00		83.5	70	130				
Carbon tetrachloride	0.05769	0.0050	50.00		115	70	130				
Chlorobenzene	0.05149	0.0050	50.00		103	70	130				
Chloroform	0.04802	0.0050	50.00		96.0	70	130				
cis-1,2-Dichloroethene	0.04903	0.0050	50.00		98.1	70	130				
cis-1,3-Dichloropropene	0.04712	0.0050	50.00		94.2	70	130				
Dibromochloromethane	0.04588	0.0050	50.00		91.8	70	130				
Ethylbenzene	0.05520	0.0050	50.00		110	70	130				
Isopropylbenzene	0.05280	0.0050	50.00		106	70	130				
m,p-Xylene	0.1120	0.0050	100.0		112	70	130				
Methylene chloride	0.03787	0.020	50.00		75.7	70	130				
o-Xylene	0.05483	0.0050	50.00		110	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198845

Sample ID: **LCS-198845** Client ID: Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279493**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198845** Analysis Date: **11/06/2014** Seq No: **5908856**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	0.05452	0.0050	50.00		109	70	130				
Tetrachloroethene	0.06462	0.0050	50.00		129	70	130				
Toluene	0.05303	0.0050	50.00		106	70	130				
trans-1,2-Dichloroethene	0.05645	0.0050	50.00		113	70	130				
trans-1,3-Dichloropropene	0.03870	0.0050	50.00		77.4	70	130				
Trichloroethene	0.05819	0.0050	50.00		116	70	130				
Vinyl chloride	0.03738	0.010	50.00		74.8	70	130				
Surr: 4-Bromofluorobenzene	0.05012	0	50.00		100	70	130				
Surr: Dibromofluoromethane	0.04876	0	50.00		97.5	70	130				
Surr: Toluene-d8	0.04847	0	50.00		96.9	70	130				

Sample ID: **1411153-010AMS** Client ID: **SB-08-06X008XX** Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279493**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198845** Analysis Date: **11/06/2014** Seq No: **5908859**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.07362	0.0073	72.57		101	70	135				
1,1,2,2-Tetrachloroethane	0.05814	0.0073	72.57		80.1	70.2	126				
1,1,2-Trichloroethane	0.06362	0.0073	72.57		87.7	72.3	130				
1,1-Dichloroethane	0.06565	0.0073	72.57		90.5	60.8	140				
1,1-Dichloroethene	0.06208	0.0073	72.57		85.5	56.6	151				
1,2,4-Trichlorobenzene	0.08683	0.0073	72.57		120	62.2	135				
1,2-Dibromo-3-chloropropane	0.05466	0.0073	72.57		75.3	60.6	126				
1,2-Dibromoethane	0.06581	0.0073	72.57		90.7	74.1	123				
1,2-Dichlorobenzene	0.07115	0.0073	72.57		98.0	70.4	130				
1,2-Dichloroethane	0.06688	0.0073	72.57		92.2	70.2	129				
1,2-Dichloropropane	0.06520	0.0073	72.57		89.8	70.1	129				
1,3-Dichlorobenzene	0.07391	0.0073	72.57		102	70.7	130				
1,4-Dichlorobenzene	0.07410	0.0073	72.57		102	70.6	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198845

Sample ID: **1411153-010AMS** Client ID: **SB-08-06X008XX** Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279493**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198845** Analysis Date: **11/06/2014** Seq No: **5908859**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	0.07413	0.0073	72.57		102	70.4	130				
Bromodichloromethane	0.06473	0.0073	72.57		89.2	70	125				
Bromoform	0.06189	0.0073	72.57		85.3	65.2	122				
Carbon tetrachloride	0.08202	0.0073	72.57		113	64.3	138				
Chlorobenzene	0.07340	0.0073	72.57		101	67.5	132				
Chloroform	0.06752	0.0073	72.57		93.0	73.9	130				
cis-1,2-Dichloroethene	0.06970	0.0073	72.57		96.0	70.9	139				
cis-1,3-Dichloropropene	0.06588	0.0073	72.57		90.8	60.4	120				
Dibromochloromethane	0.06806	0.0073	72.57		93.8	65.1	121				
Ethylbenzene	0.07794	0.0073	72.57		107	64.9	136				
Isopropylbenzene	0.07577	0.0073	72.57		104	70.2	129				
m,p-Xylene	0.1561	0.0073	145.1		108	60.2	138				
Methylene chloride	0.05469	0.029	72.57	11.23	59.9	64.5	158				S
o-Xylene	0.07726	0.0073	72.57		106	61.5	134				
Styrene	0.07810	0.0073	72.57		108	72.9	130				
Tetrachloroethene	0.09172	0.0073	72.57		126	70.1	134				
Toluene	0.07485	0.0073	72.57		103	70.4	130				
trans-1,2-Dichloroethene	0.06288	0.0073	72.57		86.6	60.4	158				
trans-1,3-Dichloropropene	0.05665	0.0073	72.57		78.1	60.1	117				
Trichloroethene	0.08204	0.0073	72.57		113	70.1	137				
Vinyl chloride	0.05235	0.015	72.57		72.1	60	128				
Surr: 4-Bromofluorobenzene	0.07209	0	72.57		99.3	70	128				
Surr: Dibromofluoromethane	0.07218	0	72.57		99.5	78.2	128				
Surr: Toluene-d8	0.06997	0	72.57		96.4	76.5	116				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198845

Sample ID: **1411153-010AMSD** Client ID: **SB-08-06X008XX** Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279493**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198845** Analysis Date: **11/06/2014** Seq No: **5908861**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.07238	0.0073	72.57		99.7	70	135	73.62	1.69	18.7	
1,1,2,2-Tetrachloroethane	0.06029	0.0073	72.57		83.1	70.2	126	58.14	3.63	15	
1,1,2-Trichloroethane	0.06363	0.0073	72.57		87.7	72.3	130	63.62	0.023	14.1	
1,1-Dichloroethane	0.06520	0.0073	72.57		89.8	60.8	140	65.65	0.688	14.1	
1,1-Dichloroethene	0.06112	0.0073	72.57		84.2	56.6	151	62.08	1.56	20.4	
1,2,4-Trichlorobenzene	0.08463	0.0073	72.57		117	62.2	135	86.83	2.56	23.9	
1,2-Dibromo-3-chloropropane	0.05436	0.0073	72.57		74.9	60.6	126	54.66	0.559	15.2	
1,2-Dibromoethane	0.06595	0.0073	72.57		90.9	74.1	123	65.81	0.220	14.4	
1,2-Dichlorobenzene	0.07209	0.0073	72.57		99.3	70.4	130	71.15	1.32	15	
1,2-Dichloroethane	0.06732	0.0073	72.57		92.8	70.2	129	66.88	0.649	15	
1,2-Dichloropropane	0.06739	0.0073	72.57		92.9	70.1	129	65.20	3.31	15.1	
1,3-Dichlorobenzene	0.07357	0.0073	72.57		101	70.7	130	73.91	0.453	15.2	
1,4-Dichlorobenzene	0.07378	0.0073	72.57		102	70.6	130	74.10	0.432	14.5	
Benzene	0.07384	0.0073	72.57		102	70.4	130	74.13	0.392	16.9	
Bromodichloromethane	0.06487	0.0073	72.57		89.4	70	125	64.73	0.202	15	
Bromoform	0.06092	0.0073	72.57		83.9	65.2	122	61.89	1.58	15.1	
Carbon tetrachloride	0.07865	0.0073	72.57		108	64.3	138	82.02	4.19	25.2	
Chlorobenzene	0.07130	0.0073	72.57		98.2	67.5	132	73.40	2.91	14.6	
Chloroform	0.06678	0.0073	72.57		92.0	73.9	130	67.52	1.10	15	
cis-1,2-Dichloroethene	0.06916	0.0073	72.57		95.3	70.9	139	69.70	0.773	15	
cis-1,3-Dichloropropene	0.06716	0.0073	72.57		92.5	60.4	120	65.88	1.92	15.6	
Dibromochloromethane	0.06816	0.0073	72.57		93.9	65.1	121	68.06	0.149	16.3	
Ethylbenzene	0.07488	0.0073	72.57		103	64.9	136	77.94	4.01	16.3	
Isopropylbenzene	0.07392	0.0073	72.57		102	70.2	129	75.77	2.46	18.8	
m,p-Xylene	0.1516	0.0073	145.1		104	60.2	138	156.1	2.94	16.3	
Methylene chloride	0.05514	0.029	72.57	11.23	60.5	64.5	158	54.69	0.819	23.7	S
o-Xylene	0.07569	0.0073	72.57		104	61.5	134	77.26	2.05	16.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198845

Sample ID: **1411153-010AMSD** Client ID: **SB-08-06X008XX** Units: **mg/Kg-dry** Prep Date: **11/06/2014** Run No: **279493**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198845** Analysis Date: **11/06/2014** Seq No: **5908861**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	0.07597	0.0073	72.57		105	72.9	130	78.10	2.77	15	
Tetrachloroethene	0.08759	0.0073	72.57		121	70.1	134	91.72	4.60	19.3	
Toluene	0.07307	0.0073	72.57		101	70.4	130	74.85	2.41	16.6	
trans-1,2-Dichloroethene	0.07722	0.0073	72.57		106	60.4	158	62.88	20.5	54.5	
trans-1,3-Dichloropropene	0.05608	0.0073	72.57		77.3	60.1	117	56.65	1.00	15	
Trichloroethene	0.07809	0.0073	72.57		108	70.1	137	82.04	4.93	17	
Vinyl chloride	0.05002	0.015	72.57		68.9	60	128	52.35	4.57	31.4	
Surr: 4-Bromofluorobenzene	0.07214	0	72.57		99.4	70	128	72.09	0	0	
Surr: Dibromofluoromethane	0.07231	0	72.57		99.6	78.2	128	72.18	0	0	
Surr: Toluene-d8	0.07061	0	72.57		97.3	76.5	116	69.97	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198877

Sample ID: **MB-198877** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279643**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198877** Analysis Date: **11/10/2014** Seq No: **5911562**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	0.33									
2,4,5-Trichlorophenol	BRL	1.7									
2,4,6-Trichlorophenol	BRL	0.33									
2,4-Dichlorophenol	BRL	0.33									
2,4-Dimethylphenol	BRL	0.33									
2,4-Dinitrophenol	BRL	1.7									
2,4-Dinitrotoluene	BRL	0.33									
2,6-Dinitrotoluene	BRL	0.33									
2-Chloronaphthalene	BRL	0.33									
2-Chlorophenol	BRL	0.33									
2-Methylnaphthalene	BRL	0.33									
2-Methylphenol	BRL	0.33									
2-Nitroaniline	BRL	1.7									
2-Nitrophenol	BRL	0.33									
3,3´-Dichlorobenzidine	BRL	0.67									
3-Nitroaniline	BRL	1.7									
4,6-Dinitro-2-methylphenol	BRL	1.7									
4-Bromophenyl phenyl ether	BRL	0.33									
4-Chloro-3-methylphenol	BRL	0.33									
4-Chloroaniline	BRL	0.33									
4-Chlorophenyl phenyl ether	BRL	0.33									
4-Methylphenol	BRL	0.33									
4-Nitroaniline	BRL	1.7									
4-Nitrophenol	BRL	1.7									
Acenaphthene	BRL	0.33									
Acenaphthylene	BRL	0.33									
Acetophenone	BRL	0.33									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198877

Sample ID: **MB-198877** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279643**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198877** Analysis Date: **11/10/2014** Seq No: **5911562**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	0.33									
Atrazine	BRL	0.33									
Benz(a)anthracene	BRL	0.33									
Benzaldehyde	BRL	0.33									
Benzo(a)pyrene	BRL	0.33									
Benzo(b)fluoranthene	BRL	0.33									
Benzo(g,h,i)perylene	BRL	0.33									
Benzo(k)fluoranthene	BRL	0.33									
Bis(2-chloroethoxy)methane	BRL	0.33									
Bis(2-chloroethyl)ether	BRL	0.33									
Bis(2-chloroisopropyl)ether	BRL	0.33									
Bis(2-ethylhexyl)phthalate	BRL	0.33									
Butyl benzyl phthalate	BRL	0.33									
Caprolactam	BRL	0.33									
Carbazole	BRL	0.33									
Chrysene	BRL	0.33									
Di-n-butyl phthalate	0.05167	0.33									J
Di-n-octyl phthalate	BRL	0.33									
Dibenz(a,h)anthracene	BRL	0.33									
Dibenzofuran	BRL	0.33									
Diethyl phthalate	BRL	0.33									
Dimethyl phthalate	BRL	0.33									
Fluoranthene	BRL	0.33									
Fluorene	BRL	0.33									
Hexachlorobenzene	BRL	0.33									
Hexachlorobutadiene	BRL	0.33									
Hexachlorocyclopentadiene	BRL	0.66									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198877

Sample ID: **MB-198877** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279643**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198877** Analysis Date: **11/10/2014** Seq No: **5911562**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	0.33									
Indeno(1,2,3-cd)pyrene	BRL	0.33									
Isophorone	BRL	0.33									
N-Nitrosodi-n-propylamine	BRL	0.33									
N-Nitrosodiphenylamine	BRL	0.33									
Naphthalene	BRL	0.33									
Nitrobenzene	BRL	0.33									
Pentachlorophenol	BRL	1.7									
Phenanthrene	BRL	0.33									
Phenol	BRL	0.33									
Pyrene	BRL	0.33									
Surr: 2,4,6-Tribromophenol	2.874	0	3333		86.2	40.2	120				
Surr: 2-Fluorobiphenyl	1.345	0	1667		80.7	45.6	120				
Surr: 2-Fluorophenol	2.531	0	3333		75.9	35.2	120				
Surr: 4-Terphenyl-d14	1.342	0	1667		80.5	51	121				
Surr: Nitrobenzene-d5	1.372	0	1667		82.3	37.8	120				
Surr: Phenol-d5	2.663	0	3333		79.9	39.9	120				

Sample ID: **LCS-198877** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279643**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198877** Analysis Date: **11/10/2014** Seq No: **5911564**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	3.151	1.7	3333		94.5	70	130				
2,4,6-Trichlorophenol	3.352	0.33	3333		101	70	130				
2,4-Dichlorophenol	3.125	0.33	3333		93.7	70	130				
2,4-Dimethylphenol	2.969	0.33	3333		89.1	70	130				
2,4-Dinitrotoluene	3.633	0.33	3333		109	70	130				
2,6-Dinitrotoluene	3.580	0.33	3333		107	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198877

Sample ID: **LCS-198877** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279643**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198877** Analysis Date: **11/10/2014** Seq No: **5911564**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2.949	0.33	3333		88.5	50	130				
2-Methylphenol	3.198	0.33	3333		96.0	70	130				
3,3´-Dichlorobenzidine	2.291	0.67	3333		68.7	10	130				
4-Bromophenyl phenyl ether	3.286	0.33	3333		98.6	70	130				
4-Chloro-3-methylphenol	3.367	0.33	3333		101	50	130				
4-Methylphenol	3.527	0.33	3333		106	70	130				
Acenaphthene	4.972	0.33	5000		99.4	70	130				
Acenaphthylene	3.414	0.33	3333		102	70	130				
Anthracene	3.409	0.33	3333		102	70	130				
Benz(a)anthracene	3.880	0.33	3333		116	70	130				
Benzo(a)pyrene	2.021	0.33	1667		121	70	130				
Benzo(b)fluoranthene	3.581	0.33	3333		107	70	130				
Bis(2-chloroethoxy)methane	3.254	0.33	3333		97.6	70	130				
Bis(2-chloroethyl)ether	2.940	0.33	3333		88.2	70	130				
Bis(2-chloroisopropyl)ether	2.523	0.33	3333		75.7	50	130				
Bis(2-ethylhexyl)phthalate	3.651	0.33	3333		110	70	130				
Chrysene	3.522	0.33	3333		106	70	130				
Di-n-butyl phthalate	3.640	0.33	3333	51.67	108	70	130				
Di-n-octyl phthalate	2.098	0.33	1667		126	70	130				
Dibenz(a,h)anthracene	3.485	0.33	3333		105	70	130				
Diethyl phthalate	3.533	0.33	3333		106	70	130				
Dimethyl phthalate	3.477	0.33	3333		104	70	130				
Fluoranthene	1.867	0.33	1667		112	70	130				
Fluorene	3.403	0.33	3333		102	70	130				
Hexachlorobenzene	3.332	0.33	3333		100.0	70	130				
Hexachlorobutadiene	4.756	0.33	5000		95.1	70	130				
N-Nitrosodiphenylamine	4.068	0.33	5000		81.4	40	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198877

Sample ID: **LCS-198877** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279643**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198877** Analysis Date: **11/10/2014** Seq No: **5911564**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	3.122	0.33	3333		93.7	70	130				
Nitrobenzene	2.989	0.33	3333		89.7	70	130				
Pyrene	3.271	0.33	3333		98.1	70	130				
Surr: 2,4,6-Tribromophenol	3.605	0	3333		108	40.2	120				
Surr: 2-Fluorobiphenyl	1.736	0	1667		104	45.6	120				
Surr: 2-Fluorophenol	3.057	0	3333		91.7	35.2	120				
Surr: 4-Terphenyl-d14	1.739	0	1667		104	51	121				
Surr: Nitrobenzene-d5	1.752	0	1667		105	37.8	120				
Surr: Phenol-d5	3.363	0	3333		101	39.9	120				

Sample ID: **1411153-025CMS** Client ID: **SB-06-01X002MS** Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279643**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198877** Analysis Date: **11/10/2014** Seq No: **5912804**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	3.476	2.1	4032		86.2	37.7	120				
2,4,6-Trichlorophenol	3.620	0.40	4032		89.8	42.7	120				
2,4-Dichlorophenol	3.462	0.40	4032		85.9	35	120				
2,4-Dimethylphenol	3.232	0.40	4032		80.2	41.3	120				
2,4-Dinitrotoluene	3.837	0.40	4032		95.2	40.3	120				
2,6-Dinitrotoluene	3.700	0.40	4032		91.8	40.4	120				
2-Chlorophenol	3.112	0.40	4032		77.2	44.2	120				
2-Methylphenol	3.441	0.40	4032		85.4	35.4	120				
3,3´-Dichlorobenzidine	2.675	0.81	4032		66.3	18.4	120				
4-Bromophenyl phenyl ether	3.499	0.40	4032		86.8	40.8	120				
4-Chloro-3-methylphenol	3.736	0.40	4032		92.7	42.1	120				
4-Methylphenol	3.841	0.40	4032		95.3	40.6	120				
Acenaphthene	5.381	0.40	6048		89.0	51.1	120				
Acenaphthylene	3.560	0.40	4032		88.3	45.2	127				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198877

Sample ID: **1411153-025CMS** Client ID: **SB-06-01X002MS** Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279643**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **198877** Analysis Date: **11/10/2014** Seq No: **5912804**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	3.764	0.40	4032		93.4	53.1	120				
Benz(a)anthracene	4.147	0.40	4032		103	41.1	120				
Benzo(a)pyrene	2.051	0.40	2016		102	31.6	120				
Benzo(b)fluoranthene	3.647	0.40	4032		90.5	32.8	120				
Bis(2-chloroethoxy)methane	3.464	0.40	4032		85.9	45	120				
Bis(2-chloroethyl)ether	3.065	0.40	4032		76.0	45.1	120				
Bis(2-chloroisopropyl)ether	2.631	0.40	4032		65.3	20.5	120				
Bis(2-ethylhexyl)phthalate	3.842	0.40	4032		95.3	44.5	120				
Chrysene	3.796	0.40	4032		94.1	50	150				
Di-n-butyl phthalate	3.876	0.40	4032		96.1	52.8	120				
Di-n-octyl phthalate	2.272	0.40	2016		113	46.7	125				
Dibenz(a,h)anthracene	3.736	0.40	4032		92.7	40.4	120				
Diethyl phthalate	3.753	0.40	4032		93.1	44.5	120				
Dimethyl phthalate	3.617	0.40	4032		89.7	50.1	120				
Fluoranthene	1.995	0.40	2016		99.0	42.7	120				
Fluorene	3.699	0.40	4032		91.7	47.9	120				
Hexachlorobenzene	3.673	0.40	4032		91.1	45.7	120				
Hexachlorobutadiene	5.111	0.40	6048		84.5	31.7	120				
N-Nitrosodiphenylamine	4.561	0.40	6048		75.4	34.1	120				
Naphthalene	3.347	0.40	4032		83.0	43.8	120				
Nitrobenzene	3.143	0.40	4032		77.9	40.6	120				
Pyrene	3.548	0.40	4032		88.0	45.3	120				
Surr: 2,4,6-Tribromophenol	3.971	0	4032		98.5	40.2	120				
Surr: 2-Fluorobiphenyl	1.879	0	2016		93.2	45.6	120				
Surr: 2-Fluorophenol	3.271	0	4032		81.1	35.2	120				
Surr: 4-Terphenyl-d14	1.863	0	2016		92.4	51	121				
Surr: Nitrobenzene-d5	1.944	0	2016		96.4	37.8	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198877

Sample ID: **1411153-025CMS**	Client ID: **SB-06-01X002MS**				Units: **mg/Kg-dry**		Prep Date: **11/10/2014**		Run No: **279643**	
SampleType: **MS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**				BatchID: **198877**		Analysis Date: **11/10/2014**		Seq No: **5912804**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	3.625	0	4032		89.9	39.9	120				

Sample ID: **1411153-025CMSD**	Client ID: **SB-06-01X002MS**				Units: **mg/Kg-dry**		Prep Date: **11/10/2014**		Run No: **279643**	
SampleType: **MSD**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**				BatchID: **198877**		Analysis Date: **11/10/2014**		Seq No: **5912806**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	3.467	2.1	4032		86.0	37.7	120	3476	0.256	22.3	
2,4,6-Trichlorophenol	3.605	0.40	4032		89.4	42.7	120	3620	0.424	24.1	
2,4-Dichlorophenol	3.418	0.40	4032		84.8	35	120	3462	1.28	26.5	
2,4-Dimethylphenol	3.238	0.40	4032		80.3	41.3	120	3232	0.174	34	
2,4-Dinitrotoluene	3.764	0.40	4032		93.4	40.3	120	3837	1.92	38.7	
2,6-Dinitrotoluene	3.718	0.40	4032		92.2	40.4	120	3700	0.489	24.6	
2-Chlorophenol	3.103	0.40	4032		77.0	44.2	120	3112	0.272	32.9	
2-Methylphenol	3.401	0.40	4032		84.4	35.4	120	3441	1.18	28.8	
3,3´-Dichlorobenzidine	2.648	0.81	4032		65.7	18.4	120	2675	1.02	32.9	
4-Bromophenyl phenyl ether	3.376	0.40	4032		83.7	40.8	120	3499	3.58	29.1	
4-Chloro-3-methylphenol	3.670	0.40	4032		91.0	42.1	120	3736	1.76	33.2	
4-Methylphenol	3.705	0.40	4032		91.9	40.6	120	3841	3.60	27.8	
Acenaphthene	5.170	0.40	6048		85.5	51.1	120	5381	3.99	30.5	
Acenaphthylene	3.453	0.40	4032		85.7	45.2	127	3560	3.05	19.9	
Anthracene	3.613	0.40	4032		89.6	53.1	120	3764	4.10	28.9	
Benz(a)anthracene	4.126	0.40	4032		102	41.1	120	4147	0.497	29.6	
Benzo(a)pyrene	2.024	0.40	2016		100	31.6	120	2051	1.31	33.6	
Benzo(b)fluoranthene	3.646	0.40	4032		90.4	32.8	120	3647	0.044	26.7	
Bis(2-chloroethoxy)methane	3.393	0.40	4032		84.1	45	120	3464	2.09	29.6	
Bis(2-chloroethyl)ether	3.008	0.40	4032		74.6	45.1	120	3065	1.89	30.4	
Bis(2-chloroisopropyl)ether	2.571	0.40	4032		63.8	20.5	120	2631	2.33	51.2	
Bis(2-ethylhexyl)phthalate	3.892	0.40	4032		96.5	44.5	120	3842	1.29	28.3	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198877

Sample ID: **1411153-025CMSD**	Client ID: **SB-06-01X002MS**	Units: **mg/Kg-dry**	Prep Date: **11/10/2014**	Run No: **279643**
SampleType: **MSD**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**	BatchID: **198877**	Analysis Date: **11/10/2014**	Seq No: **5912806**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chrysene	3.732	0.40	4032		92.6	50	150	3796	1.68	30	
Di-n-butyl phthalate	3.843	0.40	4032		95.3	52.8	120	3876	0.857	27.8	
Di-n-octyl phthalate	2.279	0.40	2016		113	46.7	125	2272	0.266	34.9	
Dibenz(a,h)anthracene	3.628	0.40	4032		90.0	40.4	120	3736	2.92	39	
Diethyl phthalate	3.647	0.40	4032		90.5	44.5	120	3753	2.88	27.3	
Dimethyl phthalate	3.571	0.40	4032		88.6	50.1	120	3617	1.27	23.4	
Fluoranthene	1.956	0.40	2016		97.0	42.7	120	1995	1.96	28.9	
Fluorene	3.556	0.40	4032		88.2	47.9	120	3699	3.94	26.1	
Hexachlorobenzene	3.595	0.40	4032		89.2	45.7	120	3673	2.16	30.5	
Hexachlorobutadiene	5.013	0.40	6048		82.9	31.7	120	5111	1.94	32.8	
N-Nitrosodiphenylamine	4.381	0.40	6048		72.4	34.1	120	4561	4.02	29.2	
Naphthalene	3.272	0.40	4032		81.1	43.8	120	3347	2.27	30.4	
Nitrobenzene	3.127	0.40	4032		77.6	40.6	120	3143	0.502	26.4	
Pyrene	3.515	0.40	4032		87.2	45.3	120	3548	0.936	32.8	
Surr: 2,4,6-Tribromophenol	3.702	0	4032		91.8	40.2	120	3971	0	0	
Surr: 2-Fluorobiphenyl	1.817	0	2016		90.1	45.6	120	1879	0	0	
Surr: 2-Fluorophenol	3.174	0	4032		78.7	35.2	120	3271	0	0	
Surr: 4-Terphenyl-d14	1.829	0	2016		90.7	51	121	1863	0	0	
Surr: Nitrobenzene-d5	1.901	0	2016		94.3	37.8	120	1944	0	0	
Surr: Phenol-d5	3.524	0	4032		87.4	39.9	120	3625	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198947

Sample ID: **MB-198947** Client ID: Units: **ug/L** Prep Date: **11/08/2014** Run No: **279603**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198947** Analysis Date: **11/08/2014** Seq No: **5911016**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198947

Sample ID: **MB-198947** Client ID: Units: **ug/L** Prep Date: **11/08/2014** Run No: **279603**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198947** Analysis Date: **11/08/2014** Seq No: **5911016**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	1.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Surr: 4-Bromofluorobenzene	41.56	0	50.00		83.1	70	130				
Surr: Dibromofluoromethane	54.40	0	50.00		109	70	130				
Surr: Toluene-d8	49.43	0	50.00		98.9	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198947

Sample ID: **LCS-198947** Client ID: Units: **ug/L** Prep Date: **11/08/2014** Run No: **279603**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198947** Analysis Date: **11/08/2014** Seq No: **5911013**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.29	1.0	50.00		98.6	70	130				
1,1,2,2-Tetrachloroethane	52.99	1.0	50.00		106	70	130				
1,1,2-Trichloroethane	51.27	1.0	50.00		103	70	130				
1,1-Dichloroethane	50.44	1.0	50.00		101	70	130				
1,1-Dichloroethene	49.32	2.0	50.00		98.6	60	140				
1,2,4-Trichlorobenzene	45.44	1.0	50.00		90.9	70	130				
1,2-Dibromo-3-chloropropane	48.87	1.0	50.00		97.7	70	130				
1,2-Dibromoethane	49.41	1.0	50.00		98.8	70	130				
1,2-Dichlorobenzene	50.35	1.0	50.00		101	70	130				
1,2-Dichloroethane	49.07	1.0	50.00		98.1	70	130				
1,2-Dichloropropane	48.72	1.0	50.00		97.4	70	130				
1,3-Dichlorobenzene	49.92	1.0	50.00		99.8	70	130				
1,4-Dichlorobenzene	50.69	1.0	50.00		101	70	130				
Benzene	50.56	1.0	50.00		101	70	130				
Bromodichloromethane	50.20	1.0	50.00		100	70	130				
Bromoform	63.16	1.0	50.00		126	70	130				
Carbon tetrachloride	64.11	2.0	50.00		128	70	130				
Chlorobenzene	50.65	1.0	50.00		101	70	130				
Chloroform	52.40	1.0	50.00		105	70	130				
cis-1,2-Dichloroethene	49.97	1.0	50.00		99.9	70	130				
cis-1,3-Dichloropropene	44.38	1.0	50.00		88.8	70	130				
Dibromochloromethane	51.76	1.0	50.00		104	70	130				
Ethylbenzene	51.21	1.0	50.00		102	70	130				
Isopropylbenzene	46.92	1.0	50.00		93.8	70	130				
m,p-Xylene	100.6	1.0	100.0		101	70	130				
Methylene chloride	51.73	5.0	50.00		103	70	130				
o-Xylene	49.41	1.0	50.00		98.8	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198947

Sample ID: **LCS-198947** Client ID: Units: **ug/L** Prep Date: **11/08/2014** Run No: **279603**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198947** Analysis Date: **11/08/2014** Seq No: **5911013**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	52.16	1.0	50.00		104	70	130				
Tetrachloroethene	50.18	1.0	50.00		100	70	130				
Toluene	48.86	1.0	50.00		97.7	70	130				
trans-1,2-Dichloroethene	48.73	2.0	50.00		97.5	70	130				
trans-1,3-Dichloropropene	41.90	2.0	50.00		83.8	70	130				
Trichloroethene	46.99	1.0	50.00		94.0	70	130				
Vinyl chloride	42.92	1.0	50.00		85.8	70	130				
Surr: 4-Bromofluorobenzene	45.75	0	50.00		91.5	70	130				
Surr: Dibromofluoromethane	55.35	0	50.00		111	70	130				
Surr: Toluene-d8	50.64	0	50.00		101	70	130				

Sample ID: **1411153-003AMS** Client ID: **RB-00-001** Units: **ug/L** Prep Date: **11/08/2014** Run No: **279603**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198947** Analysis Date: **11/08/2014** Seq No: **5911014**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	55.18	1.0	50.00		110	74.5	152				
1,1,2,2-Tetrachloroethane	54.66	1.0	50.00		109	57.9	129				
1,1,2-Trichloroethane	54.45	1.0	50.00		109	70.4	136				
1,1-Dichloroethane	54.24	1.0	50.00		108	66.7	159				
1,1-Dichloroethene	53.22	2.0	50.00		106	60.2	159				
1,2,4-Trichlorobenzene	49.08	1.0	50.00		98.2	54.8	132				
1,2-Dibromo-3-chloropropane	48.37	1.0	50.00		96.7	52.3	130				
1,2-Dibromoethane	52.26	1.0	50.00		105	71.8	126				
1,2-Dichlorobenzene	54.18	1.0	50.00		108	63.9	127				
1,2-Dichloroethane	50.85	1.0	50.00		102	77	136				
1,2-Dichloropropane	52.07	1.0	50.00		104	66.7	147				
1,3-Dichlorobenzene	53.74	1.0	50.00		107	61.2	133				
1,4-Dichlorobenzene	54.16	1.0	50.00		108	68.6	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198947

Sample ID: **1411153-003AMS** Client ID: **RB-00-001** Units: **ug/L** Prep Date: **11/08/2014** Run No: **279603**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198947** Analysis Date: **11/08/2014** Seq No: **5911014**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	54.42	1.0	50.00		109	70.2	138				
Bromodichloromethane	51.75	1.0	50.00		104	58.9	153				
Bromoform	65.41	1.0	50.00		131	46.4	145				
Carbon tetrachloride	71.27	2.0	50.00		143	69.5	156				
Chlorobenzene	54.79	1.0	50.00		110	70.1	133				
Chloroform	56.93	1.0	50.00		114	70.8	144				
cis-1,2-Dichloroethene	53.35	1.0	50.00		107	74.5	158				
cis-1,3-Dichloropropene	46.67	1.0	50.00		93.3	50.5	148				
Dibromochloromethane	55.20	1.0	50.00		110	63	133				
Ethylbenzene	56.05	1.0	50.00		112	71.9	133				
Isopropylbenzene	50.55	1.0	50.00		101	59.5	128				
m,p-Xylene	110.4	1.0	100.0		110	70.1	137				
Methylene chloride	53.55	5.0	50.00		107	75.2	155				
o-Xylene	54.19	1.0	50.00		108	71.2	135				
Styrene	57.12	1.0	50.00		114	69.9	130				
Tetrachloroethene	54.77	1.0	50.00		110	65.3	148				
Toluene	52.60	1.0	50.00		105	70	139				
trans-1,2-Dichloroethene	53.39	2.0	50.00		107	64.1	156				
trans-1,3-Dichloropropene	43.58	2.0	50.00		87.2	61.1	134				
Trichloroethene	51.15	1.0	50.00		102	70.1	144				
Vinyl chloride	46.82	1.0	50.00		93.6	78	173				
Surr: 4-Bromofluorobenzene	45.96	0	50.00		91.9	70	130				
Surr: Dibromofluoromethane	54.71	0	50.00		109	70	130				
Surr: Toluene-d8	49.96	0	50.00		99.9	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198947

Sample ID: **1411153-003AMSD** Client ID: **RB-00-001** Units: **ug/L** Prep Date: **11/08/2014** Run No: **279603**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198947** Analysis Date: **11/08/2014** Seq No: **5911015**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.26	1.0	50.00		103	74.5	152	55.18	7.37	23	
1,1,2,2-Tetrachloroethane	56.05	1.0	50.00		112	57.9	129	54.66	2.51	23.2	
1,1,2-Trichloroethane	53.50	1.0	50.00		107	70.4	136	54.45	1.76	22.7	
1,1-Dichloroethane	51.03	1.0	50.00		102	66.7	159	54.24	6.10	19.6	
1,1-Dichloroethene	50.72	2.0	50.00		101	60.2	159	53.22	4.81	19.2	
1,2,4-Trichlorobenzene	47.95	1.0	50.00		95.9	54.8	132	49.08	2.33	19.8	
1,2-Dibromo-3-chloropropane	49.38	1.0	50.00		98.8	52.3	130	48.37	2.07	20.4	
1,2-Dibromoethane	51.44	1.0	50.00		103	71.8	126	52.26	1.58	19.9	
1,2-Dichlorobenzene	53.36	1.0	50.00		107	63.9	127	54.18	1.53	21.4	
1,2-Dichloroethane	49.79	1.0	50.00		99.6	77	136	50.85	2.11	20.4	
1,2-Dichloropropane	50.11	1.0	50.00		100	66.7	147	52.07	3.84	22.5	
1,3-Dichlorobenzene	52.60	1.0	50.00		105	61.2	133	53.74	2.14	21.6	
1,4-Dichlorobenzene	53.07	1.0	50.00		106	68.6	128	54.16	2.03	20.6	
Benzene	52.05	1.0	50.00		104	70.2	138	54.42	4.45	20	
Bromodichloromethane	50.61	1.0	50.00		101	58.9	153	51.75	2.23	21.9	
Bromoform	60.32	1.0	50.00		121	46.4	145	65.41	8.10	20.1	
Carbon tetrachloride	67.84	2.0	50.00		136	69.5	156	71.27	4.93	23.3	
Chlorobenzene	53.36	1.0	50.00		107	70.1	133	54.79	2.64	20	
Chloroform	53.96	1.0	50.00		108	70.8	144	56.93	5.36	22.8	
cis-1,2-Dichloroethene	51.01	1.0	50.00		102	74.5	158	53.35	4.48	20.5	
cis-1,3-Dichloropropene	44.76	1.0	50.00		89.5	50.5	148	46.67	4.18	21.6	
Dibromochloromethane	53.32	1.0	50.00		107	63	133	55.20	3.46	18.6	
Ethylbenzene	53.66	1.0	50.00		107	71.9	133	56.05	4.36	20	
Isopropylbenzene	49.84	1.0	50.00		99.7	59.5	128	50.55	1.41	22.9	
m,p-Xylene	104.4	1.0	100.0		104	70.1	137	110.4	5.60	20	
Methylene chloride	50.95	5.0	50.00		102	75.2	155	53.55	4.98	22.2	
o-Xylene	51.61	1.0	50.00		103	71.2	135	54.19	4.88	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198947

Sample ID: **1411153-003AMSD** Client ID: **RB-00-001** Units: **ug/L** Prep Date: **11/08/2014** Run No: **279603**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198947** Analysis Date: **11/08/2014** Seq No: **5911015**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	54.74	1.0	50.00		109	69.9	130	57.12	4.26	18.7	
Tetrachloroethene	52.61	1.0	50.00		105	65.3	148	54.77	4.02	19.7	
Toluene	52.06	1.0	50.00		104	70	139	52.60	1.03	20	
trans-1,2-Dichloroethene	49.54	2.0	50.00		99.1	64.1	156	53.39	7.48	22.9	
trans-1,3-Dichloropropene	42.68	2.0	50.00		85.4	61.1	134	43.58	2.09	22.4	
Trichloroethene	49.43	1.0	50.00		98.9	70.1	144	51.15	3.42	20	
Vinyl chloride	44.00	1.0	50.00		88.0	78	173	46.82	6.21	21.8	
Surr: 4-Bromofluorobenzene	45.50	0	50.00		91.0	70	130	45.96	0	0	
Surr: Dibromofluoromethane	53.95	0	50.00		108	70	130	54.71	0	0	
Surr: Toluene-d8	49.68	0	50.00		99.4	70	130	49.96	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **MB-198980** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913783**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	0.0050									
1,1,2,2-Tetrachloroethane	BRL	0.0050									
1,1,2-Trichloroethane	BRL	0.0050									
1,1-Dichloroethane	BRL	0.0050									
1,1-Dichloroethene	BRL	0.0050									
1,2,4-Trichlorobenzene	BRL	0.0050									
1,2-Dibromo-3-chloropropane	BRL	0.0050									
1,2-Dibromoethane	BRL	0.0050									
1,2-Dichlorobenzene	BRL	0.0050									
1,2-Dichloroethane	BRL	0.0050									
1,2-Dichloropropane	BRL	0.0050									
1,3-Dichlorobenzene	BRL	0.0050									
1,4-Dichlorobenzene	BRL	0.0050									
2-Butanone	BRL	0.050									
2-Hexanone	BRL	0.010									
4-Methyl-2-pentanone	BRL	0.010									
Acetone	BRL	0.10									
Benzene	BRL	0.0050									
Bromodichloromethane	BRL	0.0050									
Bromoform	BRL	0.0050									
Bromomethane	BRL	0.0050									
Carbon disulfide	BRL	0.010									
Carbon tetrachloride	BRL	0.0050									
Chlorobenzene	BRL	0.0050									
Chloroethane	BRL	0.010									
Chloroform	BRL	0.0050									
Chloromethane	BRL	0.010									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **MB-198980** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913783**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	0.0050									
cis-1,3-Dichloropropene	BRL	0.0050									
Cyclohexane	BRL	0.0050									
Dibromochloromethane	BRL	0.0050									
Dichlorodifluoromethane	BRL	0.010									
Ethylbenzene	BRL	0.0050									
Freon-113	BRL	0.010									
Isopropylbenzene	BRL	0.0050									
m,p-Xylene	BRL	0.0050									
Methyl acetate	BRL	0.0050									
Methyl tert-butyl ether	BRL	0.0050									
Methylcyclohexane	BRL	0.0050									
Methylene chloride	BRL	0.020									
o-Xylene	BRL	0.0050									
Styrene	BRL	0.0050									
Tetrachloroethene	BRL	0.0050									
Toluene	BRL	0.0050									
trans-1,2-Dichloroethene	BRL	0.0050									
trans-1,3-Dichloropropene	BRL	0.0050									
Trichloroethene	BRL	0.0050									
Trichlorofluoromethane	BRL	0.0050									
Vinyl chloride	BRL	0.010									
Surr: 4-Bromofluorobenzene	0.04751	0	50.00		95.0	70	130				
Surr: Dibromofluoromethane	0.04793	0	50.00		95.9	70	130				
Surr: Toluene-d8	0.04879	0	50.00		97.6	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **LCS-198980** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5912506**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.05556	0.0050	50.00		111	70	130				
1,1,2,2-Tetrachloroethane	0.04707	0.0050	50.00		94.1	70	130				
1,1,2-Trichloroethane	0.05123	0.0050	50.00		102	70	130				
1,1-Dichloroethane	0.04865	0.0050	50.00		97.3	70	130				
1,1-Dichloroethene	0.04591	0.0050	50.00		91.8	60	140				
1,2,4-Trichlorobenzene	0.06444	0.0050	50.00		129	70	130				
1,2-Dibromo-3-chloropropane	0.04622	0.0050	50.00		92.4	70	130				
1,2-Dibromoethane	0.04967	0.0050	50.00		99.3	70	130				
1,2-Dichlorobenzene	0.05176	0.0050	50.00		104	70	130				
1,2-Dichloroethane	0.05199	0.0050	50.00		104	70	130				
1,2-Dichloropropane	0.05223	0.0050	50.00		104	70	130				
1,3-Dichlorobenzene	0.05502	0.0050	50.00		110	70	130				
1,4-Dichlorobenzene	0.05367	0.0050	50.00		107	70	130				
Benzene	0.05775	0.0050	50.00		116	70	130				
Bromodichloromethane	0.05159	0.0050	50.00		103	70	130				
Bromoform	0.04555	0.0050	50.00		91.1	70	130				
Carbon tetrachloride	0.06110	0.0050	50.00		122	70	130				
Chlorobenzene	0.05335	0.0050	50.00		107	70	130				
Chloroform	0.05055	0.0050	50.00		101	70	130				
cis-1,2-Dichloroethene	0.05351	0.0050	50.00		107	70	130				
cis-1,3-Dichloropropene	0.05666	0.0050	50.00		113	70	130				
Dibromochloromethane	0.05201	0.0050	50.00		104	70	130				
Ethylbenzene	0.05894	0.0050	50.00		118	70	130				
Isopropylbenzene	0.05416	0.0050	50.00		108	70	130				
m,p-Xylene	0.1151	0.0050	100.0		115	70	130				
Methylene chloride	0.03981	0.020	50.00		79.6	70	130				
o-Xylene	0.05556	0.0050	50.00		111	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **LCS-198980** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5912506**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	0.05905	0.0050	50.00		118	70	130				
Tetrachloroethene	0.06794	0.0050	50.00		136	70	130				S
Toluene	0.05786	0.0050	50.00		116	70	130				
trans-1,2-Dichloroethene	0.05879	0.0050	50.00		118	70	130				
trans-1,3-Dichloropropene	0.04656	0.0050	50.00		93.1	70	130				
Trichloroethene	0.06495	0.0050	50.00		130	70	130				
Vinyl chloride	0.04742	0.010	50.00		94.8	70	130				
Surr: 4-Bromofluorobenzene	0.05025	0	50.00		100	70	130				
Surr: Dibromofluoromethane	0.04818	0	50.00		96.4	70	130				
Surr: Toluene-d8	0.04903	0	50.00		98.1	70	130				

Sample ID: **1411267-013AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913781**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.07077	0.0067	66.91		106	70	135				
1,1,2,2-Tetrachloroethane	0.06166	0.0067	66.91		92.2	70.2	126				
1,1,2-Trichloroethane	0.07084	0.0067	66.91		106	72.3	130				
1,1-Dichloroethane	0.06296	0.0067	66.91		94.1	60.8	140				
1,1-Dichloroethene	0.06020	0.0067	66.91		90.0	56.6	151				
1,2,4-Trichlorobenzene	0.09913	0.0067	66.91		148	62.2	135				S
1,2-Dibromo-3-chloropropane	0.06319	0.0067	66.91		94.4	60.6	126				
1,2-Dibromoethane	0.06673	0.0067	66.91		99.7	74.1	123				
1,2-Dichlorobenzene	0.06842	0.0067	66.91		102	70.4	130				
1,2-Dichloroethane	0.06977	0.0067	66.91		104	70.2	129				
1,2-Dichloropropane	0.06940	0.0067	66.91		104	70.1	129				
1,3-Dichlorobenzene	0.07138	0.0067	66.91		107	70.7	130				
1,4-Dichlorobenzene	0.07035	0.0067	66.91		105	70.6	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **1411267-013AMS** Client ID:
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913781**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	0.07482	0.0067	66.91		112	70.4	130				
Bromodichloromethane	0.07071	0.0067	66.91		106	70	125				
Bromoform	0.06138	0.0067	66.91		91.7	65.2	122				
Carbon tetrachloride	0.07906	0.0067	66.91		118	64.3	138				
Chlorobenzene	0.06743	0.0067	66.91		101	67.5	132				
Chloroform	0.06740	0.0067	66.91		101	73.9	130				
cis-1,2-Dichloroethene	0.07179	0.0067	66.91		107	70.9	139				
cis-1,3-Dichloropropene	0.07562	0.0067	66.91		113	60.4	120				
Dibromochloromethane	0.06851	0.0067	66.91		102	65.1	121				
Ethylbenzene	0.07372	0.0067	66.91		110	64.9	136				
Isopropylbenzene	0.06659	0.0067	66.91		99.5	70.2	129				
m,p-Xylene	0.1448	0.0067	133.8		108	60.2	138				
Methylene chloride	0.05292	0.027	66.91	5.175	71.4	64.5	158				
o-Xylene	0.07060	0.0067	66.91		106	61.5	134				
Styrene	0.07702	0.0067	66.91		115	72.9	130				
Tetrachloroethene	0.08391	0.0067	66.91	2.560	122	70.1	134				
Toluene	0.07642	0.0067	66.91		114	70.4	130				
trans-1,2-Dichloroethene	0.06360	0.0067	66.91		95.1	60.4	158				
trans-1,3-Dichloropropene	0.06244	0.0067	66.91		93.3	60.1	117				
Trichloroethene	0.08373	0.0067	66.91		125	70.1	137				
Vinyl chloride	0.05953	0.013	66.91		89.0	60	128				
Surr: 4-Bromofluorobenzene	0.06742	0	66.91		101	70	128				
Surr: Dibromofluoromethane	0.06526	0	66.91		97.5	78.2	128				
Surr: Toluene-d8	0.06584	0	66.91		98.4	76.5	116				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **1411267-013AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913782**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	0.06953	0.0067	66.91		104	70	135	70.77	1.77	18.7	
1,1,2,2-Tetrachloroethane	0.05939	0.0067	66.91		88.8	70.2	126	61.66	3.76	15	
1,1,2-Trichloroethane	0.06830	0.0067	66.91		102	72.3	130	70.84	3.65	14.1	
1,1-Dichloroethane	0.06081	0.0067	66.91		90.9	60.8	140	62.96	3.48	14.1	
1,1-Dichloroethene	0.05717	0.0067	66.91		85.4	56.6	151	60.20	5.18	20.4	
1,2,4-Trichlorobenzene	0.09273	0.0067	66.91		139	62.2	135	99.13	6.67	23.9	S
1,2-Dibromo-3-chloropropane	0.05785	0.0067	66.91		86.5	60.6	126	63.19	8.82	15.2	
1,2-Dibromoethane	0.06770	0.0067	66.91		101	74.1	123	66.73	1.43	14.4	
1,2-Dichlorobenzene	0.06643	0.0067	66.91		99.3	70.4	130	68.42	2.96	15	
1,2-Dichloroethane	0.06657	0.0067	66.91		99.5	70.2	129	69.77	4.69	15	
1,2-Dichloropropane	0.06759	0.0067	66.91		101	70.1	129	69.40	2.64	15.1	
1,3-Dichlorobenzene	0.06827	0.0067	66.91		102	70.7	130	71.38	4.45	15.2	
1,4-Dichlorobenzene	0.06644	0.0067	66.91		99.3	70.6	130	70.35	5.71	14.5	
Benzene	0.07048	0.0067	66.91		105	70.4	130	74.82	5.97	16.9	
Bromodichloromethane	0.06592	0.0067	66.91		98.5	70	125	70.71	7.01	15	
Bromoform	0.06151	0.0067	66.91		91.9	65.2	122	61.38	0.218	15.1	
Carbon tetrachloride	0.07522	0.0067	66.91		112	64.3	138	79.06	4.98	25.2	
Chlorobenzene	0.06521	0.0067	66.91		97.5	67.5	132	67.43	3.35	14.6	
Chloroform	0.06495	0.0067	66.91		97.1	73.9	130	67.40	3.70	15	
cis-1,2-Dichloroethene	0.07017	0.0067	66.91		105	70.9	139	71.79	2.28	15	
cis-1,3-Dichloropropene	0.07374	0.0067	66.91		110	60.4	120	75.62	2.51	15.6	
Dibromochloromethane	0.06901	0.0067	66.91		103	65.1	121	68.51	0.720	16.3	
Ethylbenzene	0.07213	0.0067	66.91		108	64.9	136	73.72	2.18	16.3	
Isopropylbenzene	0.06391	0.0067	66.91		95.5	70.2	129	66.59	4.10	18.8	
m,p-Xylene	0.1404	0.0067	133.8		105	60.2	138	144.8	3.13	16.3	
Methylene chloride	0.05304	0.027	66.91	5.175	71.5	64.5	158	52.92	0.227	23.7	
o-Xylene	0.06833	0.0067	66.91		102	61.5	134	70.60	3.27	16.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411153

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **1411267-013AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **mg/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913782**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	0.07400	0.0067	66.91		111	72.9	130	77.02	4.00	15	
Tetrachloroethene	0.08030	0.0067	66.91	2.560	116	70.1	134	83.91	4.40	19.3	
Toluene	0.07159	0.0067	66.91		107	70.4	130	76.42	6.53	16.6	
trans-1,2-Dichloroethene	0.06905	0.0067	66.91		103	60.4	158	63.60	8.21	54.5	
trans-1,3-Dichloropropene	0.06221	0.0067	66.91		93.0	60.1	117	62.44	0.365	15	
Trichloroethene	0.07752	0.0067	66.91		116	70.1	137	83.73	7.70	17	
Vinyl chloride	0.05860	0.013	66.91		87.6	60	128	59.53	1.59	31.4	
Surr: 4-Bromofluorobenzene	0.06776	0	66.91		101	70	128	67.42	0	0	
Surr: Dibromofluoromethane	0.06453	0	66.91		96.4	78.2	128	65.26	0	0	
Surr: Toluene-d8	0.06407	0	66.91		95.8	76.5	116	65.84	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

November 17, 2014

Christopher Bruce
AMEC E&I, Inc.
37 Villa Rd.
Greenville SC 29615

TEL: (864) 552-9624
FAX: (864) 552-9699

RE: RBTC Fountain Inn

Dear Christopher Bruce: Order No: 1411267

Analytical Environmental Services, Inc. received 17 samples on 11/5/2014 12:10:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-South Carolina Certification number 98016003 for Clean Water Act and for Solid and Hazardous Waste, effective until 6/30/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Tara Esbeck

Tara Esbeck
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1411267

Date: 11-4-14 Page 1 of 2

COMPANY: AMEC	ADDRESS: 37 Villa Road, Ste 201 Greenville, SC 29615
PHONE:	FAX:
SAMPLED BY: Lori Mauldin	SIGNATURE: Lori Mauldin

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes) NA	PRESERVATION (See codes) N+I	REMARKS	No # of Containers
1	TB-00-003	11-4	-	G		WT		X		2
2	RB-00-002	11-4	1050	G		WT	X			1
3	SS-07-01X000XN		1055			SO	X	X		1
4	SS-07-01X000XD		1055			SO	X			1
5	SS-07-02X000XX		1100			SO	X			1
6	SS-07-03X000XX		1105			SO	X			1
7	SD-09-01X000XX		1315			SO		X		4
8	SD-09-02X000XX		1330			SO		X		4
9	SD-09-03X000XX		1340			SO		X		4
10	SD-09-04X000XX		1350			SO		X		4
11	SD-09-05X000XX		1400			SO		X		4
12	SD-09-06X000XX		1420			SO		X		4
13	SD-09-07X000XX		1430			SO		X		4
14	SD-09-08X000XX		1440			SO		X		4

ANALYSIS REQUESTED: PAH 8260

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	11/05/140950	1:	10/5/14 9:50
2:	11/5/14 12:10	2:	11/5/14 12:10
3:		3:	

PROJECT INFORMATION
PROJECT NAME: RBTC-Ft. INN
PROJECT #: 625112100 7
SITE ADDRESS:
SEND REPORT TO: Paul Johnstone
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any): SC
E-mail? (Y) N; Fax? Y / N
DATA PACKAGE: I (II) III IV

SPECIAL INSTRUCTIONS/COMMENTS:
Temp: 3.1°C

SHIPMENT METHOD
OUT / /
IN / /
CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1411267

Date: 11-4-14 Page 2 of 2

COMPANY: AMEC
ADDRESS:
PHONE:
FAX:
SAMPLED BY: Lori Mauldin
SIGNATURE: Lori Mauldin

ANALYSIS REQUESTED: 8260

Visit our website **www.aesatlanta.com** to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE (2014)	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260 (PRESERVATION: H+I)													REMARKS	No # of Containers
1	SO-09-09X000XX	11-4	1500	G		SO	X												4		4
2	RB-00-~~204~~ 003	11-4	1510	G		W	X												2		2
3	FB-00-002	11-4	1520	G		W	X														2
4	SO-09-03X000MS	11-4	1340	G		SO	X														4
5	SO-09-03X000MD	11-4	1340	G		SO	X														4
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	11/05/14 0850	1: 1/14 email pg 2 Tara Gsbeck	11/5/14
2:		2:	
3:		3:	

PROJECT INFORMATION
PROJECT NAME: RBTC - Ft. INN
PROJECT #: 6251121007
SITE ADDRESS:
SEND REPORT TO: Paul Johnstone
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other ______

STATE PROGRAM (if any): SC
E-mail? (Y)/ N; Fax? Y / N
DATA PACKAGE: I (II) III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER ______

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 17-Nov-14

Client: AMEC E&I, Inc.
Project: RBTC Fountain Inn
Lab ID: 1411267

Case Narrative

Sample 1411267-016A did not match the COC in terms of sample ID, COC indicates this sample is RB-00-003, label on the container indicates LB-00-003. Date and time was reported from the COC.

Volatiles Organic Compounds Analysis by Method 8260B:

LCS-198980 recovery for Tetrachloroethene was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

RPD value for 1,2,4-Trichlorobenzene on sample 1411267-009AMSD was outside advisory control limits due to suspected non-homogeneous sample matrix.

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-003
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014
Lab ID:	1411267-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199057	1	11/12/2014 17:01	MD
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199057	1	11/12/2014 17:01	MD
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199057	1	11/12/2014 17:01	MD
2-Butanone	BRL		2.0	10	ug/L	199057	1	11/12/2014 17:01	MD
2-Hexanone	BRL		0.59	10	ug/L	199057	1	11/12/2014 17:01	MD
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199057	1	11/12/2014 17:01	MD
Acetone	BRL		5.6	20	ug/L	199057	1	11/12/2014 17:01	MD
Benzene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Bromodichloromethane	BRL		0.65	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Bromoform	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Bromomethane	BRL		0.54	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Carbon disulfide	BRL		1.0	5.0	ug/L	199057	1	11/12/2014 17:01	MD
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199057	1	11/12/2014 17:01	MD
Chlorobenzene	BRL		0.40	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Chloroethane	BRL		0.71	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Chloroform	BRL		0.45	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Chloromethane	BRL		0.60	1.0	ug/L	199057	1	11/12/2014 17:01	MD
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 17:01	MD
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Cyclohexane	BRL		1.7	2.0	ug/L	199057	1	11/12/2014 17:01	MD
Dibromochloromethane	BRL		0.20	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Ethylbenzene	BRL		0.40	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Freon-113	BRL		0.59	5.0	ug/L	199057	1	11/12/2014 17:01	MD
Isopropylbenzene	BRL		0.36	1.0	ug/L	199057	1	11/12/2014 17:01	MD
m,p-Xylene	BRL		0.78	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Methyl acetate	BRL		1.5	2.0	ug/L	199057	1	11/12/2014 17:01	MD
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Methylcyclohexane	BRL		0.49	2.0	ug/L	199057	1	11/12/2014 17:01	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-003
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014
Lab ID:	1411267-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		0.91	5.0	ug/L	199057	1	11/12/2014 17:01	MD
o-Xylene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Styrene	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Tetrachloroethene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Toluene	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 17:01	MD
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199057	1	11/12/2014 17:01	MD
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199057	1	11/12/2014 17:01	MD
Trichloroethene	BRL		0.43	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Vinyl chloride	BRL		0.50	1.0	ug/L	199057	1	11/12/2014 17:01	MD
Surr: 4-Bromofluorobenzene	86.4		0	70-130	%REC	199057	1	11/12/2014 17:01	MD
Surr: Dibromofluoromethane	87.4		0	70-130	%REC	199057	1	11/12/2014 17:01	MD
Surr: Toluene-d8	93.4		0	70-130	%REC	199057	1	11/12/2014 17:01	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-00-002
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 10:50:00 AM
Lab ID:	1411267-002	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	**SW8270D**			**(SW3510C)**					
Naphthalene	BRL		3.6	10	ug/L	198780	1	11/10/2014 12:47	EI
Acenaphthylene	BRL		4.1	10	ug/L	198780	1	11/10/2014 12:47	EI
1-Methylnaphthalene	BRL		3.7	10	ug/L	198780	1	11/10/2014 12:47	EI
2-Methylnaphthalene	BRL		3.8	10	ug/L	198780	1	11/10/2014 12:47	EI
Acenaphthene	BRL		4.1	10	ug/L	198780	1	11/10/2014 12:47	EI
Fluorene	BRL		3.9	10	ug/L	198780	1	11/10/2014 12:47	EI
Phenanthrene	BRL		4.1	10	ug/L	198780	1	11/10/2014 12:47	EI
Anthracene	BRL		4.3	10	ug/L	198780	1	11/10/2014 12:47	EI
Fluoranthene	BRL		4.7	10	ug/L	198780	1	11/10/2014 12:47	EI
Pyrene	BRL		4.2	10	ug/L	198780	1	11/10/2014 12:47	EI
Benz(a)anthracene	BRL		3.8	10	ug/L	198780	1	11/10/2014 12:47	EI
Chrysene	BRL		4.1	10	ug/L	198780	1	11/10/2014 12:47	EI
Benzo(b)fluoranthene	BRL		4.5	10	ug/L	198780	1	11/10/2014 12:47	EI
Benzo(k)fluoranthene	BRL		3.9	10	ug/L	198780	1	11/10/2014 12:47	EI
Benzo(a)pyrene	BRL		3.8	10	ug/L	198780	1	11/10/2014 12:47	EI
Dibenz(a,h)anthracene	BRL		4.0	10	ug/L	198780	1	11/10/2014 12:47	EI
Benzo(g,h,i)perylene	BRL		4.0	10	ug/L	198780	1	11/10/2014 12:47	EI
Indeno(1,2,3-cd)pyrene	BRL		4.8	10	ug/L	198780	1	11/10/2014 12:47	EI
Surr: Nitrobenzene-d5	95.4		0	44-122	%REC	198780	1	11/10/2014 12:47	EI
Surr: 2-Fluorobiphenyl	83		0	50.1-120	%REC	198780	1	11/10/2014 12:47	EI
Surr: 4-Terphenyl-d14	81.6		0	44.9-119	%REC	198780	1	11/10/2014 12:47	EI

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SS-07-01X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 10:55:00 AM
Lab ID:	1411267-003	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3550C)									
Naphthalene	BRL		30	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Acenaphthylene	BRL		23	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
1-Methylnaphthalene	BRL		26	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
2-Methylnaphthalene	BRL		20	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Acenaphthene	BRL		21	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Fluorene	BRL		32	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Phenanthrene	BRL		23	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Anthracene	BRL		18	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Fluoranthene	47	J	18	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Pyrene	BRL		30	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Benz(a)anthracene	BRL		38	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Chrysene	BRL		25	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Benzo(b)fluoranthene	40	J	23	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Benzo(k)fluoranthene	BRL		31	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Benzo(a)pyrene	BRL		33	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Dibenz(a,h)anthracene	BRL		38	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Benzo(g,h,i)perylene	BRL		37	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Indeno(1,2,3-cd)pyrene	BRL		24	350	ug/Kg-dry	198795	1	11/10/2014 14:05	EI
Surr: 2-Fluorobiphenyl	74.2		0	52.3-120	%REC	198795	1	11/10/2014 14:05	EI
Surr: 4-Terphenyl-d14	79.5		0	60.2-120	%REC	198795	1	11/10/2014 14:05	EI
Surr: Nitrobenzene-d5	76.8		0	45.7-120	%REC	198795	1	11/10/2014 14:05	EI
PERCENT MOISTURE D2216									
Percent Moisture	5.50		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SS-07-01X000XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 10:55:00 AM
Lab ID:	1411267-004	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3550C)									
Naphthalene	BRL		30	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Acenaphthylene	BRL		23	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
1-Methylnaphthalene	BRL		27	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
2-Methylnaphthalene	BRL		21	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Acenaphthene	BRL		22	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Fluorene	BRL		32	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Phenanthrene	BRL		23	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Anthracene	BRL		18	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Fluoranthene	100	J	18	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Pyrene	77	J	31	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Benz(a)anthracene	BRL		38	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Chrysene	65	J	26	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Benzo(b)fluoranthene	87	J	23	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Benzo(k)fluoranthene	BRL		31	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Benzo(a)pyrene	45	J	33	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Dibenz(a,h)anthracene	BRL		39	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Benzo(g,h,i)perylene	58	J	38	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Indeno(1,2,3-cd)pyrene	42	J	25	350	ug/Kg-dry	198795	1	11/10/2014 14:30	EI
Surr: 2-Fluorobiphenyl	86.6		0	52.3-120	%REC	198795	1	11/10/2014 14:30	EI
Surr: 4-Terphenyl-d14	85.6		0	60.2-120	%REC	198795	1	11/10/2014 14:30	EI
Surr: Nitrobenzene-d5	92.3		0	45.7-120	%REC	198795	1	11/10/2014 14:30	EI
PERCENT MOISTURE D2216									
Percent Moisture	6.71		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SS-07-02X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 11:00:00 AM
Lab ID:	1411267-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3550C)									
Naphthalene	BRL		35	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Acenaphthylene	BRL		27	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
1-Methylnaphthalene	BRL		31	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
2-Methylnaphthalene	BRL		24	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Acenaphthene	BRL		25	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Fluorene	BRL		38	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Phenanthrene	BRL		27	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Anthracene	BRL		21	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Fluoranthene	BRL		21	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Pyrene	BRL		36	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Benz(a)anthracene	BRL		45	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Chrysene	BRL		30	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Benzo(b)fluoranthene	BRL		27	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Benzo(k)fluoranthene	BRL		36	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Benzo(a)pyrene	BRL		39	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Dibenz(a,h)anthracene	BRL		45	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Benzo(g,h,i)perylene	BRL		44	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Indeno(1,2,3-cd)pyrene	BRL		29	410	ug/Kg-dry	198795	1	11/10/2014 15:13	EI
Surr: 2-Fluorobiphenyl	85.5		0	52.3-120	%REC	198795	1	11/10/2014 15:13	EI
Surr: 4-Terphenyl-d14	82.4		0	60.2-120	%REC	198795	1	11/10/2014 15:13	EI
Surr: Nitrobenzene-d5	91.4		0	45.7-120	%REC	198795	1	11/10/2014 15:13	EI
PERCENT MOISTURE D2216									
Percent Moisture	19.4		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SS-07-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 11:05:00 AM
Lab ID:	1411267-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3550C)									
Naphthalene	BRL		36	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Acenaphthylene	BRL		28	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
1-Methylnaphthalene	BRL		32	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
2-Methylnaphthalene	BRL		25	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Acenaphthene	BRL		26	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Fluorene	BRL		39	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Phenanthrene	BRL		28	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Anthracene	BRL		22	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Fluoranthene	BRL		22	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Pyrene	BRL		37	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Benz(a)anthracene	BRL		46	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Chrysene	BRL		31	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Benzo(b)fluoranthene	BRL		28	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Benzo(k)fluoranthene	BRL		37	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Benzo(a)pyrene	BRL		40	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Dibenz(a,h)anthracene	BRL		46	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Benzo(g,h,i)perylene	BRL		45	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Indeno(1,2,3-cd)pyrene	BRL		30	420	ug/Kg-dry	198795	1	11/10/2014 16:30	EI
Surr: 2-Fluorobiphenyl	79.9		0	52.3-120	%REC	198795	1	11/10/2014 16:30	EI
Surr: 4-Terphenyl-d14	83.3		0	60.2-120	%REC	198795	1	11/10/2014 16:30	EI
Surr: Nitrobenzene-d5	85.9		0	45.7-120	%REC	198795	1	11/10/2014 16:30	EI
PERCENT MOISTURE D2216									
Percent Moisture	22.3		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-01X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 1:15:00 PM
Lab ID:	1411267-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.31	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,1,2,2-Tetrachloroethane	BRL		0.80	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,1,2-Trichloroethane	BRL		0.39	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,1-Dichloroethane	BRL		0.24	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,1-Dichloroethene	BRL		0.37	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,2,4-Trichlorobenzene	BRL		0.51	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,2-Dibromo-3-chloropropane	BRL		0.24	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,2-Dibromoethane	BRL		0.28	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,2-Dichlorobenzene	BRL		0.99	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,2-Dichloroethane	BRL		0.42	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,2-Dichloropropane	BRL		0.26	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,3-Dichlorobenzene	BRL		1.1	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
1,4-Dichlorobenzene	BRL		0.32	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
2-Butanone	BRL		6.6	32	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
2-Hexanone	BRL		1.0	6.4	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
4-Methyl-2-pentanone	BRL		0.55	6.4	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Acetone	BRL		8.3	64	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Benzene	BRL		0.91	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Bromodichloromethane	BRL		0.32	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Bromoform	BRL		0.47	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Bromomethane	BRL		1.1	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Carbon disulfide	BRL		2.4	6.4	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Carbon tetrachloride	BRL		0.42	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Chlorobenzene	BRL		0.27	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Chloroethane	BRL		0.28	6.4	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Chloroform	BRL		0.28	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Chloromethane	BRL		0.30	6.4	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
cis-1,2-Dichloroethene	BRL		0.34	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
cis-1,3-Dichloropropene	BRL		0.27	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Cyclohexane	BRL		0.93	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Dibromochloromethane	BRL		0.31	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Dichlorodifluoromethane	BRL		0.47	6.4	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Ethylbenzene	BRL		0.27	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Freon-113	BRL		0.47	6.4	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Isopropylbenzene	BRL		0.34	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
m,p-Xylene	BRL		0.52	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Methyl acetate	BRL		0.62	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Methyl tert-butyl ether	BRL		0.39	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Methylcyclohexane	BRL		0.49	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-01X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 1:15:00 PM
Lab ID:	1411267-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	4.5	J	0.39	13	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
o-Xylene	BRL		0.21	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Styrene	BRL		0.27	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Tetrachloroethene	BRL		0.27	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Toluene	BRL		0.68	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
trans-1,2-Dichloroethene	BRL		0.41	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
trans-1,3-Dichloropropene	BRL		0.25	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Trichloroethene	BRL		0.47	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Trichlorofluoromethane	BRL		0.64	3.2	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Vinyl chloride	BRL		0.54	6.4	ug/Kg-dry	198967	1	11/11/2014 01:21	MD
Surr: 4-Bromofluorobenzene	89		0	70-128	%REC	198967	1	11/11/2014 01:21	MD
Surr: Dibromofluoromethane	94.2		0	78.2-128	%REC	198967	1	11/11/2014 01:21	MD
Surr: Toluene-d8	96.8		0	76.5-116	%REC	198967	1	11/11/2014 01:21	MD
PERCENT MOISTURE D2216									
Percent Moisture	19.8		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-02X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 1:30:00 PM
Lab ID:	1411267-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.36	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,1,2,2-Tetrachloroethane	BRL		0.94	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,1,2-Trichloroethane	BRL		0.45	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,1-Dichloroethane	BRL		0.28	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,1-Dichloroethene	BRL		0.44	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,2,4-Trichlorobenzene	BRL		0.60	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,2-Dibromo-3-chloropropane	BRL		0.28	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,2-Dibromoethane	BRL		0.32	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,2-Dichlorobenzene	BRL		1.2	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,2-Dichloroethane	BRL		0.49	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,2-Dichloropropane	BRL		0.30	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,3-Dichlorobenzene	BRL		1.3	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
1,4-Dichlorobenzene	BRL		0.37	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
2-Butanone	BRL		7.7	38	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
2-Hexanone	BRL		1.2	7.5	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
4-Methyl-2-pentanone	BRL		0.64	7.5	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Acetone	BRL		9.6	75	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Benzene	BRL		1.1	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Bromodichloromethane	BRL		0.37	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Bromoform	BRL		0.55	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Bromomethane	BRL		1.2	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Carbon disulfide	BRL		2.8	7.5	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Carbon tetrachloride	BRL		0.49	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Chlorobenzene	BRL		0.32	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Chloroethane	BRL		0.32	7.5	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Chloroform	BRL		0.32	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Chloromethane	BRL		0.35	7.5	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
cis-1,2-Dichloroethene	BRL		0.40	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
cis-1,3-Dichloropropene	BRL		0.31	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Cyclohexane	BRL		1.1	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Dibromochloromethane	BRL		0.36	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Dichlorodifluoromethane	BRL		0.55	7.5	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Ethylbenzene	BRL		0.31	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Freon-113	BRL		0.55	7.5	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Isopropylbenzene	BRL		0.40	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
m,p-Xylene	BRL		0.61	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Methyl acetate	BRL		0.73	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Methyl tert-butyl ether	BRL		0.46	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Methylcyclohexane	BRL		0.58	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-02X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 1:30:00 PM
Lab ID:	1411267-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	2.0	J	0.46	15	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
o-Xylene	BRL		0.24	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Styrene	BRL		0.31	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Tetrachloroethene	BRL		0.32	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Toluene	BRL		0.79	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
trans-1,2-Dichloroethene	BRL		0.48	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
trans-1,3-Dichloropropene	BRL		0.29	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Trichloroethene	BRL		0.55	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Trichlorofluoromethane	BRL		0.75	3.8	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Vinyl chloride	BRL		0.63	7.5	ug/Kg-dry	198967	1	11/10/2014 04:49	MD
Surr: 4-Bromofluorobenzene	91.1		0	70-128	%REC	198967	1	11/10/2014 04:49	MD
Surr: Dibromofluoromethane	90.4		0	78.2-128	%REC	198967	1	11/10/2014 04:49	MD
Surr: Toluene-d8	95.9		0	76.5-116	%REC	198967	1	11/10/2014 04:49	MD
PERCENT MOISTURE D2216									
Percent Moisture	15.2		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 1:40:00 PM
Lab ID:	1411267-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.38	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,1,2,2-Tetrachloroethane	BRL		0.99	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,1,2-Trichloroethane	BRL		0.48	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,1-Dichloroethane	BRL		0.30	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,1-Dichloroethene	BRL		0.46	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,2,4-Trichlorobenzene	BRL		0.63	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,2-Dibromo-3-chloropropane	BRL		0.29	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,2-Dibromoethane	BRL		0.34	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,2-Dichlorobenzene	BRL		1.2	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,2-Dichloroethane	BRL		0.51	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,2-Dichloropropane	BRL		0.32	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,3-Dichlorobenzene	BRL		1.4	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
1,4-Dichlorobenzene	BRL		0.39	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
2-Butanone	BRL		8.1	40	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
2-Hexanone	BRL		1.2	7.9	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
4-Methyl-2-pentanone	BRL		0.68	7.9	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Acetone	BRL		10	79	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Benzene	BRL		1.1	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Bromodichloromethane	BRL		0.39	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Bromoform	BRL		0.58	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Bromomethane	BRL		1.3	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Carbon disulfide	BRL		2.9	7.9	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Carbon tetrachloride	BRL		0.51	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Chlorobenzene	BRL		0.34	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Chloroethane	BRL		0.34	7.9	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Chloroform	BRL		0.34	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Chloromethane	BRL		0.37	7.9	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
cis-1,2-Dichloroethene	BRL		0.42	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
cis-1,3-Dichloropropene	BRL		0.33	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Cyclohexane	BRL		1.1	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Dibromochloromethane	BRL		0.38	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Dichlorodifluoromethane	BRL		0.58	7.9	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Ethylbenzene	BRL		0.33	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Freon-113	BRL		0.58	7.9	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Isopropylbenzene	BRL		0.42	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
m,p-Xylene	BRL		0.64	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Methyl acetate	BRL		0.76	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Methyl tert-butyl ether	BRL		0.48	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Methylcyclohexane	BRL		0.60	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 1:40:00 PM
Lab ID:	1411267-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	BRL		0.48	16	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
o-Xylene	BRL		0.26	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Styrene	BRL		0.33	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Tetrachloroethene	BRL		0.33	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Toluene	BRL		0.83	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
trans-1,2-Dichloroethene	BRL		0.51	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
trans-1,3-Dichloropropene	BRL		0.31	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Trichloroethene	BRL		0.57	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Trichlorofluoromethane	BRL		0.79	4.0	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Vinyl chloride	BRL		0.67	7.9	ug/Kg-dry	198967	1	11/10/2014 05:19	MD
Surr: 4-Bromofluorobenzene	93		0	70-128	%REC	198967	1	11/10/2014 05:19	MD
Surr: Dibromofluoromethane	92.5		0	78.2-128	%REC	198967	1	11/10/2014 05:19	MD
Surr: Toluene-d8	98		0	76.5-116	%REC	198967	1	11/10/2014 05:19	MD
PERCENT MOISTURE D2216									
Percent Moisture	18.9		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-04X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 1:50:00 PM
Lab ID:	1411267-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.33	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,1,2,2-Tetrachloroethane	BRL		0.85	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,1,2-Trichloroethane	BRL		0.41	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,1-Dichloroethane	BRL		0.26	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,1-Dichloroethene	BRL		0.39	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,2,4-Trichlorobenzene	BRL		0.54	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,2-Dibromo-3-chloropropane	BRL		0.25	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,2-Dibromoethane	BRL		0.29	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,2-Dichlorobenzene	BRL		1.0	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,2-Dichloroethane	BRL		0.44	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,2-Dichloropropane	BRL		0.28	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,3-Dichlorobenzene	BRL		1.2	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
1,4-Dichlorobenzene	BRL		0.34	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
2-Butanone	BRL		7.0	34	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
2-Hexanone	BRL		1.1	6.8	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
4-Methyl-2-pentanone	BRL		0.58	6.8	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Acetone	BRL		8.7	68	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Benzene	BRL		0.96	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Bromodichloromethane	BRL		0.34	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Bromoform	BRL		0.50	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Bromomethane	BRL		1.1	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Carbon disulfide	BRL		2.5	6.8	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Carbon tetrachloride	BRL		0.44	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Chlorobenzene	BRL		0.29	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Chloroethane	BRL		0.29	6.8	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Chloroform	BRL		0.29	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Chloromethane	BRL		0.32	6.8	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
cis-1,2-Dichloroethene	BRL		0.37	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
cis-1,3-Dichloropropene	BRL		0.28	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Cyclohexane	BRL		0.99	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Dibromochloromethane	BRL		0.33	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Dichlorodifluoromethane	BRL		0.50	6.8	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Ethylbenzene	BRL		0.29	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Freon-113	BRL		0.50	6.8	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Isopropylbenzene	BRL		0.36	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
m,p-Xylene	BRL		0.55	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Methyl acetate	BRL		0.66	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Methyl tert-butyl ether	BRL		0.41	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Methylcyclohexane	BRL		0.52	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-04X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 1:50:00 PM
Lab ID:	1411267-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	6.1	J	0.42	14	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
o-Xylene	BRL		0.22	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Styrene	BRL		0.28	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Tetrachloroethene	9.9		0.29	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Toluene	BRL		0.72	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
trans-1,2-Dichloroethene	BRL		0.44	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
trans-1,3-Dichloropropene	BRL		0.26	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Trichloroethene	BRL		0.49	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Trichlorofluoromethane	BRL		0.68	3.4	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Vinyl chloride	BRL		0.57	6.8	ug/Kg-dry	198967	1	11/10/2014 05:48	MD
Surr: 4-Bromofluorobenzene	94		0	70-128	%REC	198967	1	11/10/2014 05:48	MD
Surr: Dibromofluoromethane	92.4		0	78.2-128	%REC	198967	1	11/10/2014 05:48	MD
Surr: Toluene-d8	95.4		0	76.5-116	%REC	198967	1	11/10/2014 05:48	MD
PERCENT MOISTURE D2216									
Percent Moisture	18.5		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-05X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 2:00:00 PM
Lab ID:	1411267-011	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.35	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,1,2,2-Tetrachloroethane	BRL		0.91	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,1,2-Trichloroethane	BRL		0.44	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,1-Dichloroethane	BRL		0.27	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,1-Dichloroethene	BRL		0.42	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,2,4-Trichlorobenzene	BRL		0.58	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,2-Dibromo-3-chloropropane	BRL		0.27	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,2-Dibromoethane	BRL		0.31	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,2-Dichlorobenzene	BRL		1.1	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,2-Dichloroethane	BRL		0.48	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,2-Dichloropropane	BRL		0.30	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,3-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
1,4-Dichlorobenzene	BRL		0.37	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
2-Butanone	BRL		7.5	37	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
2-Hexanone	BRL		1.1	7.3	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
4-Methyl-2-pentanone	BRL		0.63	7.3	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Acetone	BRL		9.4	73	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Benzene	BRL		1.0	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Bromodichloromethane	BRL		0.36	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Bromoform	BRL		0.54	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Bromomethane	BRL		1.2	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Carbon disulfide	BRL		2.7	7.3	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Carbon tetrachloride	BRL		0.48	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Chlorobenzene	BRL		0.31	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Chloroethane	BRL		0.32	7.3	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Chloroform	BRL		0.31	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Chloromethane	BRL		0.35	7.3	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
cis-1,2-Dichloroethene	BRL		0.39	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
cis-1,3-Dichloropropene	BRL		0.31	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Cyclohexane	BRL		1.1	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Dibromochloromethane	BRL		0.35	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Dichlorodifluoromethane	BRL		0.54	7.3	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Ethylbenzene	BRL		0.31	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Freon-113	BRL		0.53	7.3	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Isopropylbenzene	BRL		0.39	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
m,p-Xylene	BRL		0.60	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Methyl acetate	BRL		0.71	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Methyl tert-butyl ether	BRL		0.44	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Methylcyclohexane	BRL		0.56	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-05X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 2:00:00 PM
Lab ID:	1411267-011	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	3.2	J	0.45	15	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
o-Xylene	BRL		0.24	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Styrene	BRL		0.31	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Tetrachloroethene	23		0.31	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Toluene	BRL		0.77	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
trans-1,2-Dichloroethene	BRL		0.47	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
trans-1,3-Dichloropropene	BRL		0.28	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Trichloroethene	BRL		0.53	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Trichlorofluoromethane	BRL		0.73	3.7	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Vinyl chloride	BRL		0.62	7.3	ug/Kg-dry	198967	1	11/10/2014 06:18	MD
Surr: 4-Bromofluorobenzene	93.8		0	70-128	%REC	198967	1	11/10/2014 06:18	MD
Surr: Dibromofluoromethane	95.7		0	78.2-128	%REC	198967	1	11/10/2014 06:18	MD
Surr: Toluene-d8	97.4		0	76.5-116	%REC	198967	1	11/10/2014 06:18	MD
PERCENT MOISTURE D2216									
Percent Moisture	23.2		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-06X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 2:20:00 PM
Lab ID:	1411267-012	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.39	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,1,2,2-Tetrachloroethane	BRL		1.0	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,1,2-Trichloroethane	BRL		0.49	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,1-Dichloroethane	BRL		0.30	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,1-Dichloroethene	BRL		0.47	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,2,4-Trichlorobenzene	BRL		0.64	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,2-Dibromo-3-chloropropane	BRL		0.30	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,2-Dibromoethane	BRL		0.35	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,2-Dichlorobenzene	BRL		1.2	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,2-Dichloroethane	BRL		0.53	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,2-Dichloropropane	BRL		0.33	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,3-Dichlorobenzene	BRL		1.4	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
1,4-Dichlorobenzene	BRL		0.40	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
2-Butanone	BRL		8.3	40	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
2-Hexanone	BRL		1.3	8.1	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
4-Methyl-2-pentanone	BRL		0.69	8.1	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Acetone	BRL		10	81	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Benzene	BRL		1.1	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Bromodichloromethane	BRL		0.40	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Bromoform	BRL		0.59	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Bromomethane	BRL		1.3	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Carbon disulfide	BRL		3.0	8.1	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Carbon tetrachloride	BRL		0.52	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Chlorobenzene	BRL		0.34	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Chloroethane	BRL		0.35	8.1	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Chloroform	BRL		0.35	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Chloromethane	BRL		0.38	8.1	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
cis-1,2-Dichloroethene	BRL		0.43	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
cis-1,3-Dichloropropene	BRL		0.34	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Cyclohexane	BRL		1.2	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Dibromochloromethane	BRL		0.39	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Dichlorodifluoromethane	BRL		0.59	8.1	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Ethylbenzene	BRL		0.34	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Freon-113	BRL		0.59	8.1	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Isopropylbenzene	BRL		0.43	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
m,p-Xylene	BRL		0.66	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Methyl acetate	BRL		0.78	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Methyl tert-butyl ether	BRL		0.49	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Methylcyclohexane	BRL		0.62	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-06X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 2:20:00 PM
Lab ID:	1411267-012	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	2.0	J	0.49	16	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
o-Xylene	BRL		0.26	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Styrene	BRL		0.34	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Tetrachloroethene	5.6		0.34	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Toluene	BRL		0.85	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
trans-1,2-Dichloroethene	BRL		0.52	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
trans-1,3-Dichloropropene	BRL		0.31	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Trichloroethene	BRL		0.59	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Trichlorofluoromethane	BRL		0.81	4.0	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Vinyl chloride	BRL		0.68	8.1	ug/Kg-dry	198967	1	11/10/2014 06:47	MD
Surr: 4-Bromofluorobenzene	92.4		0	70-128	%REC	198967	1	11/10/2014 06:47	MD
Surr: Dibromofluoromethane	93.5		0	78.2-128	%REC	198967	1	11/10/2014 06:47	MD
Surr: Toluene-d8	94.8		0	76.5-116	%REC	198967	1	11/10/2014 06:47	MD
PERCENT MOISTURE D2216									
Percent Moisture	23.9		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-07X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 2:30:00 PM
Lab ID:	1411267-013	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.38	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,1,2,2-Tetrachloroethane	BRL		0.98	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,1,2-Trichloroethane	BRL		0.47	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,1-Dichloroethane	BRL		0.29	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,1-Dichloroethene	BRL		0.45	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,2,4-Trichlorobenzene	BRL		0.62	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,2-Dibromo-3-chloropropane	BRL		0.29	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,2-Dibromoethane	BRL		0.34	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,2-Dichlorobenzene	BRL		1.2	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,2-Dichloroethane	BRL		0.51	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,2-Dichloropropane	BRL		0.32	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,3-Dichlorobenzene	BRL		1.4	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
1,4-Dichlorobenzene	BRL		0.39	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
2-Butanone	BRL		8.0	39	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
2-Hexanone	BRL		1.2	7.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
4-Methyl-2-pentanone	BRL		0.67	7.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Acetone	BRL		10	79	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Benzene	BRL		1.1	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Bromodichloromethane	BRL		0.39	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Bromoform	BRL		0.58	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Bromomethane	BRL		1.3	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Carbon disulfide	BRL		2.9	7.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Carbon tetrachloride	BRL		0.51	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Chlorobenzene	BRL		0.33	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Chloroethane	BRL		0.34	7.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Chloroform	BRL		0.34	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Chloromethane	BRL		0.37	7.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
cis-1,2-Dichloroethene	BRL		0.42	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
cis-1,3-Dichloropropene	BRL		0.33	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Cyclohexane	BRL		1.1	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Dibromochloromethane	BRL		0.38	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Dichlorodifluoromethane	BRL		0.58	7.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Ethylbenzene	BRL		0.33	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Freon-113	BRL		0.57	7.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Isopropylbenzene	BRL		0.42	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
m,p-Xylene	BRL		0.64	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Methyl acetate	BRL		0.76	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Methyl tert-butyl ether	BRL		0.48	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Methylcyclohexane	BRL		0.60	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-07X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 2:30:00 PM
Lab ID:	1411267-013	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	5.2	J	0.48	16	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
o-Xylene	BRL		0.25	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Styrene	BRL		0.33	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Tetrachloroethene	2.6	J	0.33	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Toluene	BRL		0.83	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
trans-1,2-Dichloroethene	BRL		0.50	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
trans-1,3-Dichloropropene	BRL		0.30	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Trichloroethene	BRL		0.57	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Trichlorofluoromethane	BRL		0.78	3.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Vinyl chloride	BRL		0.66	7.9	ug/Kg-dry	198980	1	11/11/2014 00:22	MD
Surr: 4-Bromofluorobenzene	91.2		0	70-128	%REC	198980	1	11/11/2014 00:22	MD
Surr: Dibromofluoromethane	94.8		0	78.2-128	%REC	198980	1	11/11/2014 00:22	MD
Surr: Toluene-d8	95.8		0	76.5-116	%REC	198980	1	11/11/2014 00:22	MD
PERCENT MOISTURE D2216									
Percent Moisture	25.3		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-08X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 2:40:00 PM
Lab ID:	1411267-014	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.37	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,1,2,2-Tetrachloroethane	BRL		0.97	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,1,2-Trichloroethane	BRL		0.47	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,1-Dichloroethane	BRL		0.29	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,1-Dichloroethene	BRL		0.45	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,2,4-Trichlorobenzene	BRL		0.62	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,2-Dibromo-3-chloropropane	BRL		0.29	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,2-Dibromoethane	BRL		0.33	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,2-Dichlorobenzene	BRL		1.2	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,2-Dichloroethane	BRL		0.50	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,2-Dichloropropane	BRL		0.31	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,3-Dichlorobenzene	BRL		1.4	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
1,4-Dichlorobenzene	BRL		0.39	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
2-Butanone	BRL		7.9	39	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
2-Hexanone	BRL		1.2	7.8	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
4-Methyl-2-pentanone	BRL		0.66	7.8	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Acetone	BRL		9.9	78	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Benzene	BRL		1.1	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Bromodichloromethane	BRL		0.39	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Bromoform	BRL		0.57	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Bromomethane	BRL		1.3	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Carbon disulfide	BRL		2.9	7.8	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Carbon tetrachloride	BRL		0.50	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Chlorobenzene	BRL		0.33	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Chloroethane	BRL		0.33	7.8	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Chloroform	BRL		0.33	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Chloromethane	BRL		0.37	7.8	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
cis-1,2-Dichloroethene	BRL		0.42	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
cis-1,3-Dichloropropene	BRL		0.32	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Cyclohexane	BRL		1.1	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Dibromochloromethane	BRL		0.37	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Dichlorodifluoromethane	BRL		0.57	7.8	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Ethylbenzene	BRL		0.32	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Freon-113	BRL		0.56	7.8	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Isopropylbenzene	BRL		0.41	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
m,p-Xylene	BRL		0.63	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Methyl acetate	BRL		0.75	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Methyl tert-butyl ether	BRL		0.47	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Methylcyclohexane	BRL		0.59	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-08X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 2:40:00 PM
Lab ID:	1411267-014	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	7.3	J	0.47	16	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
o-Xylene	BRL		0.25	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Styrene	BRL		0.32	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Tetrachloroethene	BRL		0.33	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Toluene	BRL		0.82	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
trans-1,2-Dichloroethene	BRL		0.50	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
trans-1,3-Dichloropropene	BRL		0.30	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Trichloroethene	BRL		0.56	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Trichlorofluoromethane	BRL		0.77	3.9	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Vinyl chloride	BRL		0.65	7.8	ug/Kg-dry	198980	1	11/11/2014 00:51	MD
Surr: 4-Bromofluorobenzene	90.8		0	70-128	%REC	198980	1	11/11/2014 00:51	MD
Surr: Dibromofluoromethane	93.6		0	78.2-128	%REC	198980	1	11/11/2014 00:51	MD
Surr: Toluene-d8	95.7		0	76.5-116	%REC	198980	1	11/11/2014 00:51	MD
PERCENT MOISTURE D2216									
Percent Moisture	24.1		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-09X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 3:00:00 PM
Lab ID:	1411267-015	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.37	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,1,2,2-Tetrachloroethane	BRL		0.97	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,1,2-Trichloroethane	BRL		0.47	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,1-Dichloroethane	BRL		0.29	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,1-Dichloroethene	BRL		0.45	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,2,4-Trichlorobenzene	BRL		0.62	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,2-Dibromo-3-chloropropane	BRL		0.29	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,2-Dibromoethane	BRL		0.33	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,2-Dichlorobenzene	BRL		1.2	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,2-Dichloroethane	BRL		0.51	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,2-Dichloropropane	BRL		0.32	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,3-Dichlorobenzene	BRL		1.4	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
1,4-Dichlorobenzene	BRL		0.39	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
2-Butanone	BRL		8.0	39	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
2-Hexanone	BRL		1.2	7.8	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
4-Methyl-2-pentanone	BRL		0.67	7.8	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Acetone	BRL		10	78	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Benzene	BRL		1.1	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Bromodichloromethane	BRL		0.39	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Bromoform	BRL		0.57	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Bromomethane	BRL		1.3	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Carbon disulfide	BRL		2.9	7.8	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Carbon tetrachloride	BRL		0.51	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Chlorobenzene	BRL		0.33	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Chloroethane	BRL		0.34	7.8	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Chloroform	BRL		0.33	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Chloromethane	BRL		0.37	7.8	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
cis-1,2-Dichloroethene	BRL		0.42	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
cis-1,3-Dichloropropene	BRL		0.33	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Cyclohexane	BRL		1.1	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Dibromochloromethane	BRL		0.38	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Dichlorodifluoromethane	BRL		0.57	7.8	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Ethylbenzene	BRL		0.33	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Freon-113	BRL		0.57	7.8	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Isopropylbenzene	BRL		0.41	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
m,p-Xylene	BRL		0.63	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Methyl acetate	BRL		0.75	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Methyl tert-butyl ether	BRL		0.47	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Methylcyclohexane	BRL		0.60	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SD-09-09X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 3:00:00 PM
Lab ID:	1411267-015	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	BRL		0.48	16	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
o-Xylene	BRL		0.25	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Styrene	BRL		0.33	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Tetrachloroethene	BRL		0.33	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Toluene	BRL		0.82	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
trans-1,2-Dichloroethene	BRL		0.50	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
trans-1,3-Dichloropropene	BRL		0.30	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Trichloroethene	BRL		0.57	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Trichlorofluoromethane	BRL		0.78	3.9	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Vinyl chloride	BRL		0.66	7.8	ug/Kg-dry	198967	1	11/10/2014 07:17	MD
Surr: 4-Bromofluorobenzene	93.5		0	70-128	%REC	198967	1	11/10/2014 07:17	MD
Surr: Dibromofluoromethane	93.2		0	78.2-128	%REC	198967	1	11/10/2014 07:17	MD
Surr: Toluene-d8	96		0	76.5-116	%REC	198967	1	11/10/2014 07:17	MD
PERCENT MOISTURE D2216									
Percent Moisture	17.9		0	0	wt%	R279744	1	11/11/2014 10:00	SG

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-00-003
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 3:10:00 PM
Lab ID:	1411267-016	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199057	1	11/12/2014 16:11	MD
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199057	1	11/12/2014 16:11	MD
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199057	1	11/12/2014 16:11	MD
2-Butanone	BRL		2.0	10	ug/L	199057	1	11/12/2014 16:11	MD
2-Hexanone	BRL		0.59	10	ug/L	199057	1	11/12/2014 16:11	MD
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199057	1	11/12/2014 16:11	MD
Acetone	BRL		5.6	20	ug/L	199057	1	11/12/2014 16:11	MD
Benzene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Bromodichloromethane	BRL		0.65	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Bromoform	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Bromomethane	BRL		0.54	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Carbon disulfide	BRL		1.0	5.0	ug/L	199057	1	11/12/2014 16:11	MD
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199057	1	11/12/2014 16:11	MD
Chlorobenzene	BRL		0.40	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Chloroethane	BRL		0.71	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Chloroform	BRL		0.45	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Chloromethane	BRL		0.60	1.0	ug/L	199057	1	11/12/2014 16:11	MD
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 16:11	MD
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Cyclohexane	BRL		1.7	2.0	ug/L	199057	1	11/12/2014 16:11	MD
Dibromochloromethane	BRL		0.20	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Ethylbenzene	BRL		0.40	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Freon-113	BRL		0.59	5.0	ug/L	199057	1	11/12/2014 16:11	MD
Isopropylbenzene	BRL		0.36	1.0	ug/L	199057	1	11/12/2014 16:11	MD
m,p-Xylene	BRL		0.78	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Methyl acetate	BRL		1.5	2.0	ug/L	199057	1	11/12/2014 16:11	MD
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Methylcyclohexane	BRL		0.49	2.0	ug/L	199057	1	11/12/2014 16:11	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-00-003
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 3:10:00 PM
Lab ID:	1411267-016	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		0.91	5.0	ug/L	199057	1	11/12/2014 16:11	MD
o-Xylene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Styrene	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Tetrachloroethene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Toluene	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 16:11	MD
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199057	1	11/12/2014 16:11	MD
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199057	1	11/12/2014 16:11	MD
Trichloroethene	BRL		0.43	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Vinyl chloride	BRL		0.50	1.0	ug/L	199057	1	11/12/2014 16:11	MD
Surr: 4-Bromofluorobenzene	90.7		0	70-130	%REC	199057	1	11/12/2014 16:11	MD
Surr: Dibromofluoromethane	90.8		0	70-130	%REC	199057	1	11/12/2014 16:11	MD
Surr: Toluene-d8	93.5		0	70-130	%REC	199057	1	11/12/2014 16:11	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-002
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 3:20:00 PM
Lab ID:	1411267-017	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199057	1	11/12/2014 16:36	MD
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199057	1	11/12/2014 16:36	MD
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199057	1	11/12/2014 16:36	MD
2-Butanone	BRL		2.0	10	ug/L	199057	1	11/12/2014 16:36	MD
2-Hexanone	BRL		0.59	10	ug/L	199057	1	11/12/2014 16:36	MD
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199057	1	11/12/2014 16:36	MD
Acetone	BRL		5.6	20	ug/L	199057	1	11/12/2014 16:36	MD
Benzene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Bromodichloromethane	BRL		0.65	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Bromoform	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Bromomethane	BRL		0.54	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Carbon disulfide	BRL		1.0	5.0	ug/L	199057	1	11/12/2014 16:36	MD
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199057	1	11/12/2014 16:36	MD
Chlorobenzene	BRL		0.40	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Chloroethane	BRL		0.71	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Chloroform	BRL		0.45	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Chloromethane	BRL		0.60	1.0	ug/L	199057	1	11/12/2014 16:36	MD
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 16:36	MD
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Cyclohexane	BRL		1.7	2.0	ug/L	199057	1	11/12/2014 16:36	MD
Dibromochloromethane	BRL		0.20	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Ethylbenzene	BRL		0.40	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Freon-113	BRL		0.59	5.0	ug/L	199057	1	11/12/2014 16:36	MD
Isopropylbenzene	BRL		0.36	1.0	ug/L	199057	1	11/12/2014 16:36	MD
m,p-Xylene	BRL		0.78	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Methyl acetate	BRL		1.5	2.0	ug/L	199057	1	11/12/2014 16:36	MD
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Methylcyclohexane	BRL		0.49	2.0	ug/L	199057	1	11/12/2014 16:36	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
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- N Analyte not NELAC certified
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- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-002
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/4/2014 3:20:00 PM
Lab ID:	1411267-017	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199057	1	11/12/2014 16:36	MD
o-Xylene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Styrene	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Tetrachloroethene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Toluene	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 16:36	MD
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199057	1	11/12/2014 16:36	MD
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199057	1	11/12/2014 16:36	MD
Trichloroethene	BRL		0.43	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Vinyl chloride	BRL		0.50	1.0	ug/L	199057	1	11/12/2014 16:36	MD
Surr: 4-Bromofluorobenzene	88.7		0	70-130	%REC	199057	1	11/12/2014 16:36	MD
Surr: Dibromofluoromethane	89.5		0	70-130	%REC	199057	1	11/12/2014 16:36	MD
Surr: Toluene-d8	93.4		0	70-130	%REC	199057	1	11/12/2014 16:36	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC / Greenville Work Order Number 1411267

Checklist completed by Joana Pacurar 11/5/14
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.1°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes __ No ✓

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by JP

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198780

Sample ID: **MB-198780** Client ID: Units: **ug/L** Prep Date: **11/07/2014** Run No: **279529**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198780** Analysis Date: **11/07/2014** Seq No: **5912622**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10									
2-Methylnaphthalene	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Phenanthrene	BRL	10									
Pyrene	BRL	10									
Surr: 2-Fluorobiphenyl	40.56	0	50.00		81.1	50.1	120				
Surr: 4-Terphenyl-d14	37.62	0	50.00		75.2	44.9	119				
Surr: Nitrobenzene-d5	45.78	0	50.00		91.6	44	122				

Sample ID: **LCS-198780** Client ID: Units: **ug/L** Prep Date: **11/07/2014** Run No: **279529**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198780** Analysis Date: **11/07/2014** Seq No: **5912623**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	40.57	10	50.00		81.1	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198780

Sample ID: **LCS-198780** Client ID: Units: **ug/L** Prep Date: **11/07/2014** Run No: **279529**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198780** Analysis Date: **11/07/2014** Seq No: **5912623**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	38.29	10	50.00		76.6	70	130				
Acenaphthene	43.27	10	50.00		86.5	70	130				
Acenaphthylene	43.27	10	50.00		86.5	70	130				
Anthracene	45.19	10	50.00		90.4	70	130				
Benz(a)anthracene	47.34	10	50.00		94.7	70	130				
Benzo(a)pyrene	43.28	10	50.00		86.6	70	130				
Benzo(b)fluoranthene	51.11	10	50.00		102	70	130				
Benzo(g,h,i)perylene	49.17	10	50.00		98.3	70	130				
Benzo(k)fluoranthene	45.05	10	50.00		90.1	70	130				
Chrysene	44.63	10	50.00		89.3	70	130				
Dibenz(a,h)anthracene	43.50	10	50.00		87.0	70	130				
Fluoranthene	47.68	10	50.00		95.4	70	130				
Fluorene	44.74	10	50.00		89.5	70	130				
Indeno(1,2,3-cd)pyrene	46.99	10	50.00		94.0	70	130				
Naphthalene	38.46	10	50.00		76.9	70	130				
Phenanthrene	44.87	10	50.00		89.7	70	130				
Pyrene	45.45	10	50.00		90.9	70	130				
Surr: 2-Fluorobiphenyl	41.54	0	50.00		83.1	50.1	120				
Surr: 4-Terphenyl-d14	41.80	0	50.00		83.6	44.9	119				
Surr: Nitrobenzene-d5	45.05	0	50.00		90.1	44	122				

Sample ID: **1411298-007DMS** Client ID: Units: **ug/L** Prep Date: **11/07/2014** Run No: **279665**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198780** Analysis Date: **11/10/2014** Seq No: **5912628**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	41.65	10	50.00		83.3	47.2	121				
2-Methylnaphthalene	38.69	10	50.00		77.4	45.3	120				
Acenaphthene	41.91	10	50.00		83.8	52.4	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198780

Sample ID: **1411298-007DMS**	Client ID:		Units: **ug/L**	Prep Date: **11/07/2014**	Run No: **279665**
SampleType: **MS**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**		BatchID: **198780**	Analysis Date: **11/10/2014**	Seq No: **5912628**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	43.88	10	50.00		87.8	48.2	119				
Anthracene	45.06	10	50.00		90.1	53.1	120				
Benz(a)anthracene	48.89	10	50.00		97.8	54.6	128				
Benzo(a)pyrene	43.77	10	50.00		87.5	46.7	120				
Benzo(b)fluoranthene	50.46	10	50.00		101	49.4	132				
Benzo(g,h,i)perylene	46.94	10	50.00		93.9	48	129				
Benzo(k)fluoranthene	42.86	10	50.00		85.7	51.9	117				
Chrysene	44.60	10	50.00		89.2	51.7	118				
Dibenz(a,h)anthracene	46.22	10	50.00		92.4	49.8	121				
Fluoranthene	49.18	10	50.00		98.4	56.2	124				
Fluorene	44.36	10	50.00		88.7	50.3	119				
Indeno(1,2,3-cd)pyrene	46.58	10	50.00		93.2	48.5	125				
Naphthalene	38.96	10	50.00		77.9	50.2	120				
Phenanthrene	45.36	10	50.00		90.7	52.3	122				
Pyrene	45.63	10	50.00		91.3	52.5	124				
Surr: 2-Fluorobiphenyl	41.52	0	50.00		83.0	50.1	120				
Surr: 4-Terphenyl-d14	37.78	0	50.00		75.6	44.9	119				
Surr: Nitrobenzene-d5	48.54	0	50.00		97.1	44	122				

Sample ID: **1411298-007DMSD**	Client ID:		Units: **ug/L**	Prep Date: **11/07/2014**	Run No: **279665**
SampleType: **MSD**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**		BatchID: **198780**	Analysis Date: **11/10/2014**	Seq No: **5912630**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	47.16	10	50.00		94.3	47.2	121	41.65	12.4	27.5	
2-Methylnaphthalene	44.61	10	50.00		89.2	45.3	120	38.69	14.2	26.2	
Acenaphthene	47.29	10	50.00		94.6	52.4	120	41.91	12.1	29.3	
Acenaphthylene	47.82	10	50.00		95.6	48.2	119	43.88	8.59	29.8	
Anthracene	47.62	10	50.00		95.2	53.1	120	45.06	5.52	25	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198780

Sample ID: **1411298-007DMSD** Client ID: Units: **ug/L** Prep Date: **11/07/2014** Run No: **279665**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198780** Analysis Date: **11/10/2014** Seq No: **5912630**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benz(a)anthracene	51.94	10	50.00		104	54.6	128	48.89	6.05	25.3	
Benzo(a)pyrene	44.99	10	50.00		90.0	46.7	120	43.77	2.75	24.3	
Benzo(b)fluoranthene	53.44	10	50.00		107	49.4	132	50.46	5.74	27.4	
Benzo(g,h,i)perylene	50.50	10	50.00		101	48	129	46.94	7.31	23	
Benzo(k)fluoranthene	45.46	10	50.00		90.9	51.9	117	42.86	5.89	24.2	
Chrysene	47.24	10	50.00		94.5	51.7	118	44.60	5.75	25	
Dibenz(a,h)anthracene	49.30	10	50.00		98.6	49.8	121	46.22	6.45	24.3	
Fluoranthene	52.13	10	50.00		104	56.2	124	49.18	5.82	25.2	
Fluorene	48.18	10	50.00		96.4	50.3	119	44.36	8.26	29.3	
Indeno(1,2,3-cd)pyrene	50.41	10	50.00		101	48.5	125	46.58	7.90	22.6	
Naphthalene	43.72	10	50.00		87.4	50.2	120	38.96	11.5	23	
Phenanthrene	48.26	10	50.00		96.5	52.3	122	45.36	6.20	24.2	
Pyrene	46.31	10	50.00		92.6	52.5	124	45.63	1.48	25.9	
Surr: 2-Fluorobiphenyl	44.38	0	50.00		88.8	50.1	120	41.52	0	0	
Surr: 4-Terphenyl-d14	40.81	0	50.00		81.6	44.9	119	37.78	0	0	
Surr: Nitrobenzene-d5	48.63	0	50.00		97.3	44	122	48.54	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198795

Sample ID: **MB-198795** Client ID: Units: **ug/Kg** Prep Date: **11/07/2014** Run No: **279529**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198795** Analysis Date: **11/07/2014** Seq No: **5909425**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	330									
2-Methylnaphthalene	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Phenanthrene	BRL	330									
Pyrene	BRL	330									
Surr: 2-Fluorobiphenyl	1257	0	1664		75.6	52.3	120				
Surr: 4-Terphenyl-d14	1365	0	1664		82.0	60.2	120				
Surr: Nitrobenzene-d5	1392	0	1664		83.7	45.7	120				

Sample ID: **LCS-198795** Client ID: Units: **ug/Kg** Prep Date: **11/07/2014** Run No: **279529**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198795** Analysis Date: **11/07/2014** Seq No: **5909426**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1384	330	1664		83.2	70	130				
2-Methylnaphthalene	1306	330	1664		78.5	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198795

Sample ID: **LCS-198795** Client ID: Units: **ug/Kg** Prep Date: **11/07/2014** Run No: **279529**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198795** Analysis Date: **11/07/2014** Seq No: **5909426**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1345	330	1664		80.8	70	130				
Acenaphthylene	1347	330	1664		80.9	70	130				
Anthracene	1389	330	1664		83.5	70	130				
Benz(a)anthracene	1531	330	1664		92.0	70	130				
Benzo(a)pyrene	1306	330	1664		78.5	70	130				
Benzo(b)fluoranthene	1611	330	1664		96.8	70	130				
Benzo(g,h,i)perylene	1485	330	1664		89.3	70	130				
Benzo(k)fluoranthene	1481	330	1664		89.0	70	130				
Chrysene	1401	330	1664		84.2	70	130				
Dibenz(a,h)anthracene	1402	330	1664		84.3	70	130				
Fluoranthene	1540	330	1664		92.6	70	130				
Fluorene	1402	330	1664		84.3	70	130				
Indeno(1,2,3-cd)pyrene	1428	330	1664		85.8	70	130				
Naphthalene	1285	330	1664		77.2	70	130				
Phenanthrene	1423	330	1664		85.5	70	130				
Pyrene	1421	330	1664		85.4	70	130				
Surr: 2-Fluorobiphenyl	1315	0	1664		79.1	52.3	120				
Surr: 4-Terphenyl-d14	1475	0	1664		88.6	60.2	120				
Surr: Nitrobenzene-d5	1412	0	1664		84.9	45.7	120				

Sample ID: **1411267-005AMS** Client ID: **SS-07-02X000XX** Units: **ug/Kg-dry** Prep Date: **11/07/2014** Run No: **279665**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198795** Analysis Date: **11/10/2014** Seq No: **5912129**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1708	410	2068		82.6	53.4	120				
2-Methylnaphthalene	1554	410	2068		75.2	50.6	120				
Acenaphthene	1714	410	2068		82.9	50.9	120				
Acenaphthylene	1698	410	2068		82.1	51.8	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198795

Sample ID: **1411267-005AMS** Client ID: **SS-07-02X000XX** Units: **ug/Kg-dry** Prep Date: **11/07/2014** Run No: **279665**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198795** Analysis Date: **11/10/2014** Seq No: **5912129**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1739	410	2068		84.1	52.4	120				
Benz(a)anthracene	1909	410	2068		92.3	52.4	122				
Benzo(a)pyrene	1714	410	2068		82.9	46.6	120				
Benzo(b)fluoranthene	1962	410	2068		94.9	51	122				
Benzo(g,h,i)perylene	2098	410	2068		101	50.7	121				
Benzo(k)fluoranthene	1682	410	2068		81.3	47.1	120				
Chrysene	1727	410	2068		83.5	54.5	120				
Dibenz(a,h)anthracene	1995	410	2068		96.5	51.5	120				
Fluoranthene	1844	410	2068		89.2	55.4	120				
Fluorene	1733	410	2068		83.8	55.6	120				
Indeno(1,2,3-cd)pyrene	2062	410	2068		99.7	51.5	120				
Naphthalene	1546	410	2068		74.8	51.2	120				
Phenanthrene	1710	410	2068		82.7	54.7	120				
Pyrene	1675	410	2068		81.0	53.4	120				
Surr: 2-Fluorobiphenyl	1641	0	2068		79.3	52.3	120				
Surr: 4-Terphenyl-d14	1629	0	2068		78.8	60.2	120				
Surr: Nitrobenzene-d5	1746	0	2068		84.5	45.7	120				

Sample ID: **1411267-005AMSD** Client ID: **SS-07-02X000XX** Units: **ug/Kg-dry** Prep Date: **11/07/2014** Run No: **279665**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198795** Analysis Date: **11/10/2014** Seq No: **5912130**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1710	410	2068		82.7	53.4	120	1708	0.145	25.4	
2-Methylnaphthalene	1580	410	2068		76.4	50.6	120	1554	1.64	27.1	
Acenaphthene	1724	410	2068		83.4	50.9	120	1714	0.601	30	
Acenaphthylene	1735	410	2068		83.9	51.8	120	1698	2.19	22.1	
Anthracene	1773	410	2068		85.7	52.4	120	1739	1.91	27.1	
Benz(a)anthracene	1897	410	2068		91.7	52.4	122	1909	0.652	26.6	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198795

Sample ID: **1411267-005AMSD** Client ID: **SS-07-02X000XX** Units: **ug/Kg-dry** Prep Date: **11/07/2014** Run No: **279665**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **198795** Analysis Date: **11/10/2014** Seq No: **5912130**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1706	410	2068		82.5	46.6	120	1714	0.484	25.4	
Benzo(b)fluoranthene	2008	410	2068		97.1	51	122	1962	2.29	25.2	
Benzo(g,h,i)perylene	2066	410	2068		99.9	50.7	121	2098	1.51	24.8	
Benzo(k)fluoranthene	1710	410	2068		82.7	47.1	120	1682	1.66	27.8	
Chrysene	1713	410	2068		82.8	54.5	120	1727	0.818	22.4	
Dibenz(a,h)anthracene	2020	410	2068		97.7	51.5	120	1995	1.22	22.4	
Fluoranthene	1861	410	2068		90.0	55.4	120	1844	0.960	25.2	
Fluorene	1735	410	2068		83.9	55.6	120	1733	0.143	22	
Indeno(1,2,3-cd)pyrene	2038	410	2068		98.5	51.5	120	2062	1.17	23	
Naphthalene	1538	410	2068		74.4	51.2	120	1546	0.483	24.1	
Phenanthrene	1727	410	2068		83.5	54.7	120	1710	0.963	25.3	
Pyrene	1687	410	2068		81.6	53.4	120	1675	0.713	23.4	
Surr: 2-Fluorobiphenyl	1715	0	2068		82.9	52.3	120	1641	0	0	
Surr: 4-Terphenyl-d14	1732	0	2068		83.8	60.2	120	1629	0	0	
Surr: Nitrobenzene-d5	1837	0	2068		88.9	45.7	120	1746	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198967

Sample ID: **MB-198967** Client ID: Units: **ug/Kg** Prep Date: **11/10/2014** Run No: **279647**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198967** Analysis Date: **11/10/2014** Seq No: **5912078**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198967

Sample ID: **MB-198967**	Client ID:	Units: **ug/Kg**	Prep Date: **11/10/2014**	Run No: **279647**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **198967**	Analysis Date: **11/10/2014**	Seq No: **5912078**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	47.04	0	50.00		94.1	70	130				
Surr: Dibromofluoromethane	46.25	0	50.00		92.5	70	130				
Surr: Toluene-d8	47.32	0	50.00		94.6	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198967

Sample ID: **LCS-198967** Client ID: Units: **ug/Kg** Prep Date: **11/10/2014** Run No: **279648**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198967** Analysis Date: **11/10/2014** Seq No: **5912457**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.03	5.0	50.00		108	70	130				
1,1,2,2-Tetrachloroethane	46.91	5.0	50.00		93.8	70	130				
1,1,2-Trichloroethane	51.30	5.0	50.00		103	70	130				
1,1-Dichloroethane	48.37	5.0	50.00		96.7	70	130				
1,1-Dichloroethene	45.74	5.0	50.00		91.5	60	140				
1,2,4-Trichlorobenzene	61.25	5.0	50.00		122	70	130				
1,2-Dibromo-3-chloropropane	41.22	5.0	50.00		82.4	70	130				
1,2-Dibromoethane	50.49	5.0	50.00		101	70	130				
1,2-Dichlorobenzene	49.85	5.0	50.00		99.7	70	130				
1,2-Dichloroethane	51.60	5.0	50.00		103	70	130				
1,2-Dichloropropane	51.45	5.0	50.00		103	70	130				
1,3-Dichlorobenzene	52.59	5.0	50.00		105	70	130				
1,4-Dichlorobenzene	51.84	5.0	50.00		104	70	130				
Benzene	54.79	5.0	50.00		110	70	130				
Bromodichloromethane	50.11	5.0	50.00		100	70	130				
Bromoform	45.97	5.0	50.00		91.9	70	130				
Carbon tetrachloride	59.05	5.0	50.00		118	70	130				
Chlorobenzene	50.56	5.0	50.00		101	70	130				
Chloroform	50.16	5.0	50.00		100	70	130				
cis-1,2-Dichloroethene	53.76	5.0	50.00		108	70	130				
cis-1,3-Dichloropropene	56.02	5.0	50.00		112	70	130				
Dibromochloromethane	51.10	5.0	50.00		102	70	130				
Ethylbenzene	55.78	5.0	50.00		112	70	130				
Isopropylbenzene	51.56	5.0	50.00		103	70	130				
m,p-Xylene	111.6	5.0	100.0		112	70	130				
Methylene chloride	38.88	20	50.00		77.8	70	130				
o-Xylene	54.54	5.0	50.00		109	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198967

Sample ID: **LCS-198967** Client ID: Units: **ug/Kg** Prep Date: **11/10/2014** Run No: **279648**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198967** Analysis Date: **11/10/2014** Seq No: **5912457**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	56.97	5.0	50.00		114	70	130				
Tetrachloroethene	64.35	5.0	50.00		129	70	130				
Toluene	56.52	5.0	50.00		113	70	130				
trans-1,2-Dichloroethene	54.90	5.0	50.00		110	70	130				
trans-1,3-Dichloropropene	46.30	5.0	50.00		92.6	70	130				
Trichloroethene	61.58	5.0	50.00		123	70	130				
Vinyl chloride	44.84	10	50.00		89.7	70	130				
Surr: 4-Bromofluorobenzene	50.43	0	50.00		101	70	130				
Surr: Dibromofluoromethane	47.78	0	50.00		95.6	70	130				
Surr: Toluene-d8	47.90	0	50.00		95.8	70	130				

Sample ID: **1411267-009AMS** Client ID: **SD-09-03X000XX** Units: **ug/Kg-dry** Prep Date: **11/10/2014** Run No: **279647**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198967** Analysis Date: **11/10/2014** Seq No: **5912075**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	32.26	3.9	38.72		83.3	70	135				
1,1,2,2-Tetrachloroethane	32.61	3.9	38.72		84.2	70.2	126				
1,1,2-Trichloroethane	32.23	3.9	38.72		83.3	72.3	130				
1,1-Dichloroethane	29.13	3.9	38.72		75.2	60.8	140				
1,1-Dichloroethene	24.52	3.9	38.72		63.3	56.6	151				
1,2,4-Trichlorobenzene	26.81	3.9	38.72		69.3	62.2	135				
1,2-Dibromo-3-chloropropane	27.96	3.9	38.72		72.2	60.6	126				
1,2-Dibromoethane	33.48	3.9	38.72		86.5	74.1	123				
1,2-Dichlorobenzene	29.93	3.9	38.72		77.3	70.4	130				
1,2-Dichloroethane	31.68	3.9	38.72		81.8	70.2	129				
1,2-Dichloropropane	31.28	3.9	38.72		80.8	70.1	129				
1,3-Dichlorobenzene	29.88	3.9	38.72		77.2	70.7	130				
1,4-Dichlorobenzene	30.55	3.9	38.72		78.9	70.6	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198967

Sample ID: **1411267-009AMS** Client ID: **SD-09-03X000XX** Units: **ug/Kg-dry** Prep Date: **11/10/2014** Run No: **279647**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198967** Analysis Date: **11/10/2014** Seq No: **5912075**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	33.28	3.9	38.72		86.0	70.4	130				
Bromodichloromethane	29.56	3.9	38.72		76.4	70	125				
Bromoform	30.36	3.9	38.72		78.4	65.2	122				
Carbon tetrachloride	33.33	3.9	38.72		86.1	64.3	138				
Chlorobenzene	32.03	3.9	38.72		82.7	67.5	132				
Chloroform	31.11	3.9	38.72		80.4	73.9	130				
cis-1,2-Dichloroethene	31.21	3.9	38.72		80.6	70.9	139				
cis-1,3-Dichloropropene	28.39	3.9	38.72		73.3	60.4	120				
Dibromochloromethane	31.99	3.9	38.72		82.6	65.1	121				
Ethylbenzene	32.47	3.9	38.72		83.9	64.9	136				
Isopropylbenzene	31.25	3.9	38.72		80.7	70.2	129				
m,p-Xylene	66.09	3.9	77.43		85.4	60.2	138				
Methylene chloride	23.42	15	38.72		60.5	64.5	158				S
o-Xylene	32.80	3.9	38.72		84.7	61.5	134				
Styrene	33.24	3.9	38.72		85.9	72.9	130				
Tetrachloroethene	36.27	3.9	38.72		93.7	70.1	134				
Toluene	32.85	3.9	38.72		84.8	70.4	130				
trans-1,2-Dichloroethene	31.06	3.9	38.72		80.2	60.4	158				
trans-1,3-Dichloropropene	26.67	3.9	38.72		68.9	60.1	117				
Trichloroethene	34.14	3.9	38.72		88.2	70.1	137				
Vinyl chloride	18.55	7.7	38.72		47.9	60	128				S
Surr: 4-Bromofluorobenzene	38.30	0	38.72		98.9	70	128				
Surr: Dibromofluoromethane	36.06	0	38.72		93.1	78.2	128				
Surr: Toluene-d8	37.22	0	38.72		96.1	76.5	116				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198967

Sample ID: **1411267-009AMSD** Client ID: **SD-09-03X000XX** Units: **ug/Kg-dry** Prep Date: **11/10/2014** Run No: **279647**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198967** Analysis Date: **11/10/2014** Seq No: **5912077**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	30.99	3.8	38.09		81.4	70	135	32.26	4.00	18.7	
1,1,2,2-Tetrachloroethane	30.70	3.8	38.09		80.6	70.2	126	32.61	6.04	15	
1,1,2-Trichloroethane	31.27	3.8	38.09		82.1	72.3	130	32.23	3.05	14.1	
1,1-Dichloroethane	28.47	3.8	38.09		74.7	60.8	140	29.13	2.29	14.1	
1,1-Dichloroethene	23.37	3.8	38.09		61.3	56.6	151	24.52	4.83	20.4	
1,2,4-Trichlorobenzene	36.96	3.8	38.09		97.0	62.2	135	26.81	31.8	23.9	R
1,2-Dibromo-3-chloropropane	27.10	3.8	38.09		71.1	60.6	126	27.96	3.13	15.2	
1,2-Dibromoethane	32.56	3.8	38.09		85.5	74.1	123	33.48	2.78	14.4	
1,2-Dichlorobenzene	32.80	3.8	38.09		86.1	70.4	130	29.93	9.16	15	
1,2-Dichloroethane	31.99	3.8	38.09		84.0	70.2	129	31.68	0.961	15	
1,2-Dichloropropane	30.74	3.8	38.09		80.7	70.1	129	31.28	1.74	15.1	
1,3-Dichlorobenzene	31.82	3.8	38.09		83.5	70.7	130	29.88	6.30	15.2	
1,4-Dichlorobenzene	32.21	3.8	38.09		84.6	70.6	130	30.55	5.28	14.5	
Benzene	33.43	3.8	38.09		87.8	70.4	130	33.28	0.452	16.9	
Bromodichloromethane	29.73	3.8	38.09		78.0	70	125	29.56	0.556	15	
Bromoform	29.62	3.8	38.09		77.8	65.2	122	30.36	2.47	15.1	
Carbon tetrachloride	33.45	3.8	38.09		87.8	64.3	138	33.33	0.335	25.2	
Chlorobenzene	32.68	3.8	38.09		85.8	67.5	132	32.03	2.01	14.6	
Chloroform	30.97	3.8	38.09		81.3	73.9	130	31.11	0.457	15	
cis-1,2-Dichloroethene	30.76	3.8	38.09		80.8	70.9	139	31.21	1.45	15	
cis-1,3-Dichloropropene	29.13	3.8	38.09		76.5	60.4	120	28.39	2.57	15.6	
Dibromochloromethane	32.02	3.8	38.09		84.1	65.1	121	31.99	0.108	16.3	
Ethylbenzene	33.56	3.8	38.09		88.1	64.9	136	32.47	3.31	16.3	
Isopropylbenzene	32.15	3.8	38.09		84.4	70.2	129	31.25	2.84	18.8	
m,p-Xylene	66.82	3.8	76.19		87.7	60.2	138	66.09	1.11	16.3	
Methylene chloride	23.21	15	38.09		60.9	64.5	158	23.42	0.895	23.7	S
o-Xylene	34.03	3.8	38.09		89.3	61.5	134	32.80	3.69	16.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198967

Sample ID: **1411267-009AMSD** Client ID: **SD-09-03X000XX** Units: **ug/Kg-dry** Prep Date: **11/10/2014** Run No: **279647**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198967** Analysis Date: **11/10/2014** Seq No: **5912077**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	33.95	3.8	38.09		89.1	72.9	130	33.24	2.11	15	
Tetrachloroethene	37.29	3.8	38.09		97.9	70.1	134	36.27	2.79	19.3	
Toluene	33.29	3.8	38.09		87.4	70.4	130	32.85	1.33	16.6	
trans-1,2-Dichloroethene	30.73	3.8	38.09		80.7	60.4	158	31.06	1.05	54.5	
trans-1,3-Dichloropropene	26.60	3.8	38.09		69.8	60.1	117	26.67	0.294	15	
Trichloroethene	33.70	3.8	38.09		88.5	70.1	137	34.14	1.28	17	
Vinyl chloride	18.57	7.6	38.09		48.7	60	128	18.55	0.077	31.4	S
Surr: 4-Bromofluorobenzene	38.57	0	38.09		101	70	128	38.30	0	0	
Surr: Dibromofluoromethane	35.98	0	38.09		94.5	78.2	128	36.06	0	0	
Surr: Toluene-d8	37.18	0	38.09		97.6	76.5	116	37.22	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **MB-198980** Client ID: Units: **ug/Kg** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913783**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **MB-198980** Client ID: Units: **ug/Kg** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913783**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	47.51	0	50.00		95.0	70	130				
Surr: Dibromofluoromethane	47.93	0	50.00		95.9	70	130				
Surr: Toluene-d8	48.79	0	50.00		97.6	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **LCS-198980** Client ID: Units: **ug/Kg** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5912506**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	55.56	5.0	50.00		111	70	130				
1,1,2,2-Tetrachloroethane	47.07	5.0	50.00		94.1	70	130				
1,1,2-Trichloroethane	51.23	5.0	50.00		102	70	130				
1,1-Dichloroethane	48.65	5.0	50.00		97.3	70	130				
1,1-Dichloroethene	45.91	5.0	50.00		91.8	60	140				
1,2,4-Trichlorobenzene	64.44	5.0	50.00		129	70	130				
1,2-Dibromo-3-chloropropane	46.22	5.0	50.00		92.4	70	130				
1,2-Dibromoethane	49.67	5.0	50.00		99.3	70	130				
1,2-Dichlorobenzene	51.76	5.0	50.00		104	70	130				
1,2-Dichloroethane	51.99	5.0	50.00		104	70	130				
1,2-Dichloropropane	52.23	5.0	50.00		104	70	130				
1,3-Dichlorobenzene	55.02	5.0	50.00		110	70	130				
1,4-Dichlorobenzene	53.67	5.0	50.00		107	70	130				
Benzene	57.75	5.0	50.00		116	70	130				
Bromodichloromethane	51.59	5.0	50.00		103	70	130				
Bromoform	45.55	5.0	50.00		91.1	70	130				
Carbon tetrachloride	61.10	5.0	50.00		122	70	130				
Chlorobenzene	53.35	5.0	50.00		107	70	130				
Chloroform	50.55	5.0	50.00		101	70	130				
cis-1,2-Dichloroethene	53.51	5.0	50.00		107	70	130				
cis-1,3-Dichloropropene	56.66	5.0	50.00		113	70	130				
Dibromochloromethane	52.01	5.0	50.00		104	70	130				
Ethylbenzene	58.94	5.0	50.00		118	70	130				
Isopropylbenzene	54.16	5.0	50.00		108	70	130				
m,p-Xylene	115.1	5.0	100.0		115	70	130				
Methylene chloride	39.81	20	50.00		79.6	70	130				
o-Xylene	55.56	5.0	50.00		111	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **LCS-198980** Client ID: Units: **ug/Kg** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5912506**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	59.05	5.0	50.00		118	70	130				
Tetrachloroethene	67.94	5.0	50.00		136	70	130				S
Toluene	57.86	5.0	50.00		116	70	130				
trans-1,2-Dichloroethene	58.79	5.0	50.00		118	70	130				
trans-1,3-Dichloropropene	46.56	5.0	50.00		93.1	70	130				
Trichloroethene	64.95	5.0	50.00		130	70	130				
Vinyl chloride	47.42	10	50.00		94.8	70	130				
Surr: 4-Bromofluorobenzene	50.25	0	50.00		100	70	130				
Surr: Dibromofluoromethane	48.18	0	50.00		96.4	70	130				
Surr: Toluene-d8	49.03	0	50.00		98.1	70	130				

Sample ID: **1411267-013AMS** Client ID: **SD-09-07X000XX** Units: **ug/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913781**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	70.77	6.7	66.91		106	70	135				
1,1,2,2-Tetrachloroethane	61.66	6.7	66.91		92.2	70.2	126				
1,1,2-Trichloroethane	70.84	6.7	66.91		106	72.3	130				
1,1-Dichloroethane	62.96	6.7	66.91		94.1	60.8	140				
1,1-Dichloroethene	60.20	6.7	66.91		90.0	56.6	151				
1,2,4-Trichlorobenzene	99.13	6.7	66.91		148	62.2	135				S
1,2-Dibromo-3-chloropropane	63.19	6.7	66.91		94.4	60.6	126				
1,2-Dibromoethane	66.73	6.7	66.91		99.7	74.1	123				
1,2-Dichlorobenzene	68.42	6.7	66.91		102	70.4	130				
1,2-Dichloroethane	69.77	6.7	66.91		104	70.2	129				
1,2-Dichloropropane	69.40	6.7	66.91		104	70.1	129				
1,3-Dichlorobenzene	71.38	6.7	66.91		107	70.7	130				
1,4-Dichlorobenzene	70.35	6.7	66.91		105	70.6	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **1411267-013AMS** Client ID: **SD-09-07X000XX** Units: **ug/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913781**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	74.82	6.7	66.91		112	70.4	130				
Bromodichloromethane	70.71	6.7	66.91		106	70	125				
Bromoform	61.38	6.7	66.91		91.7	65.2	122				
Carbon tetrachloride	79.06	6.7	66.91		118	64.3	138				
Chlorobenzene	67.43	6.7	66.91		101	67.5	132				
Chloroform	67.40	6.7	66.91		101	73.9	130				
cis-1,2-Dichloroethene	71.79	6.7	66.91		107	70.9	139				
cis-1,3-Dichloropropene	75.62	6.7	66.91		113	60.4	120				
Dibromochloromethane	68.51	6.7	66.91		102	65.1	121				
Ethylbenzene	73.72	6.7	66.91		110	64.9	136				
Isopropylbenzene	66.59	6.7	66.91		99.5	70.2	129				
m,p-Xylene	144.8	6.7	133.8		108	60.2	138				
Methylene chloride	52.92	27	66.91	5.175	71.4	64.5	158				
o-Xylene	70.60	6.7	66.91		106	61.5	134				
Styrene	77.02	6.7	66.91		115	72.9	130				
Tetrachloroethene	83.91	6.7	66.91	2.560	122	70.1	134				
Toluene	76.42	6.7	66.91		114	70.4	130				
trans-1,2-Dichloroethene	63.60	6.7	66.91		95.1	60.4	158				
trans-1,3-Dichloropropene	62.44	6.7	66.91		93.3	60.1	117				
Trichloroethene	83.73	6.7	66.91		125	70.1	137				
Vinyl chloride	59.53	13	66.91		89.0	60	128				
Surr: 4-Bromofluorobenzene	67.42	0	66.91		101	70	128				
Surr: Dibromofluoromethane	65.26	0	66.91		97.5	78.2	128				
Surr: Toluene-d8	65.84	0	66.91		98.4	76.5	116				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **1411267-013AMSD** Client ID: **SD-09-07X000XX** Units: **ug/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913782**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	69.53	6.7	66.91		104	70	135	70.77	1.77	18.7	
1,1,2,2-Tetrachloroethane	59.39	6.7	66.91		88.8	70.2	126	61.66	3.76	15	
1,1,2-Trichloroethane	68.30	6.7	66.91		102	72.3	130	70.84	3.65	14.1	
1,1-Dichloroethane	60.81	6.7	66.91		90.9	60.8	140	62.96	3.48	14.1	
1,1-Dichloroethene	57.17	6.7	66.91		85.4	56.6	151	60.20	5.18	20.4	
1,2,4-Trichlorobenzene	92.73	6.7	66.91		139	62.2	135	99.13	6.67	23.9	S
1,2-Dibromo-3-chloropropane	57.85	6.7	66.91		86.5	60.6	126	63.19	8.82	15.2	
1,2-Dibromoethane	67.70	6.7	66.91		101	74.1	123	66.73	1.43	14.4	
1,2-Dichlorobenzene	66.43	6.7	66.91		99.3	70.4	130	68.42	2.96	15	
1,2-Dichloroethane	66.57	6.7	66.91		99.5	70.2	129	69.77	4.69	15	
1,2-Dichloropropane	67.59	6.7	66.91		101	70.1	129	69.40	2.64	15.1	
1,3-Dichlorobenzene	68.27	6.7	66.91		102	70.7	130	71.38	4.45	15.2	
1,4-Dichlorobenzene	66.44	6.7	66.91		99.3	70.6	130	70.35	5.71	14.5	
Benzene	70.48	6.7	66.91		105	70.4	130	74.82	5.97	16.9	
Bromodichloromethane	65.92	6.7	66.91		98.5	70	125	70.71	7.01	15	
Bromoform	61.51	6.7	66.91		91.9	65.2	122	61.38	0.218	15.1	
Carbon tetrachloride	75.22	6.7	66.91		112	64.3	138	79.06	4.98	25.2	
Chlorobenzene	65.21	6.7	66.91		97.5	67.5	132	67.43	3.35	14.6	
Chloroform	64.95	6.7	66.91		97.1	73.9	130	67.40	3.70	15	
cis-1,2-Dichloroethene	70.17	6.7	66.91		105	70.9	139	71.79	2.28	15	
cis-1,3-Dichloropropene	73.74	6.7	66.91		110	60.4	120	75.62	2.51	15.6	
Dibromochloromethane	69.01	6.7	66.91		103	65.1	121	68.51	0.720	16.3	
Ethylbenzene	72.13	6.7	66.91		108	64.9	136	73.72	2.18	16.3	
Isopropylbenzene	63.91	6.7	66.91		95.5	70.2	129	66.59	4.10	18.8	
m,p-Xylene	140.4	6.7	133.8		105	60.2	138	144.8	3.13	16.3	
Methylene chloride	53.04	27	66.91	5.175	71.5	64.5	158	52.92	0.227	23.7	
o-Xylene	68.33	6.7	66.91		102	61.5	134	70.60	3.27	16.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 198980

Sample ID: **1411267-013AMSD** Client ID: **SD-09-07X000XX** Units: **ug/Kg-dry** Prep Date: **11/10/2014** Run No: **279673**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **198980** Analysis Date: **11/10/2014** Seq No: **5913782**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	74.00	6.7	66.91		111	72.9	130	77.02	4.00	15	
Tetrachloroethene	80.30	6.7	66.91	2.560	116	70.1	134	83.91	4.40	19.3	
Toluene	71.59	6.7	66.91		107	70.4	130	76.42	6.53	16.6	
trans-1,2-Dichloroethene	69.05	6.7	66.91		103	60.4	158	63.60	8.21	54.5	
trans-1,3-Dichloropropene	62.21	6.7	66.91		93.0	60.1	117	62.44	0.365	15	
Trichloroethene	77.52	6.7	66.91		116	70.1	137	83.73	7.70	17	
Vinyl chloride	58.60	13	66.91		87.6	60	128	59.53	1.59	31.4	
Surr: 4-Bromofluorobenzene	67.76	0	66.91		101	70	128	67.42	0	0	
Surr: Dibromofluoromethane	64.53	0	66.91		96.4	78.2	128	65.26	0	0	
Surr: Toluene-d8	64.07	0	66.91		95.8	76.5	116	65.84	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **MB-199057** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279793**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/11/2014** Seq No: **5915179**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **MB-199057** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279793**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/11/2014** Seq No: **5915179**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	1.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Surr: 4-Bromofluorobenzene	44.37	0	50.00		88.7	70	130				
Surr: Dibromofluoromethane	49.02	0	50.00		98.0	70	130				
Surr: Toluene-d8	47.93	0	50.00		95.9	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **LCS-199057** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279793**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/11/2014** Seq No: **5915188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	53.28	1.0	50.00		107	70	130				
1,1,2,2-Tetrachloroethane	50.47	1.0	50.00		101	70	130				
1,1,2-Trichloroethane	54.20	1.0	50.00		108	70	130				
1,1-Dichloroethane	48.96	1.0	50.00		97.9	70	130				
1,1-Dichloroethene	47.59	2.0	50.00		95.2	60	140				
1,2,4-Trichlorobenzene	47.12	1.0	50.00		94.2	70	130				
1,2-Dibromo-3-chloropropane	44.67	1.0	50.00		89.3	70	130				
1,2-Dibromoethane	52.55	1.0	50.00		105	70	130				
1,2-Dichlorobenzene	48.53	1.0	50.00		97.1	70	130				
1,2-Dichloroethane	55.84	1.0	50.00		112	70	130				
1,2-Dichloropropane	51.47	1.0	50.00		103	70	130				
1,3-Dichlorobenzene	48.72	1.0	50.00		97.4	70	130				
1,4-Dichlorobenzene	47.87	1.0	50.00		95.7	70	130				
Benzene	52.80	1.0	50.00		106	70	130				
Bromodichloromethane	53.47	1.0	50.00		107	70	130				
Bromoform	43.07	1.0	50.00		86.1	70	130				
Carbon tetrachloride	52.68	2.0	50.00		105	70	130				
Chlorobenzene	49.04	1.0	50.00		98.1	70	130				
Chloroform	52.69	1.0	50.00		105	70	130				
cis-1,2-Dichloroethene	57.48	1.0	50.00		115	70	130				
cis-1,3-Dichloropropene	53.55	1.0	50.00		107	70	130				
Dibromochloromethane	48.52	1.0	50.00		97.0	70	130				
Ethylbenzene	55.72	1.0	50.00		111	70	130				
Isopropylbenzene	51.17	1.0	50.00		102	70	130				
m,p-Xylene	107.3	1.0	100.0		107	70	130				
Methylene chloride	53.96	5.0	50.00		108	70	130				
o-Xylene	50.76	1.0	50.00		102	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **LCS-199057** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279793**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/11/2014** Seq No: **5915188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	51.78	1.0	50.00		104	70	130				
Tetrachloroethene	51.37	1.0	50.00		103	70	130				
Toluene	52.53	1.0	50.00		105	70	130				
trans-1,2-Dichloroethene	51.32	2.0	50.00		103	70	130				
trans-1,3-Dichloropropene	53.69	2.0	50.00		107	70	130				
Trichloroethene	53.73	1.0	50.00		107	70	130				
Vinyl chloride	48.04	1.0	50.00		96.1	70	130				
Surr: 4-Bromofluorobenzene	52.12	0	50.00		104	70	130				
Surr: Dibromofluoromethane	51.06	0	50.00		102	70	130				
Surr: Toluene-d8	49.68	0	50.00		99.4	70	130				

Sample ID: **1411594-004AMS** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279884**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/13/2014** Seq No: **5917444**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.88	1.0	50.00		116	74.5	152				
1,1,2,2-Tetrachloroethane	56.41	1.0	50.00		113	57.9	129				
1,1,2-Trichloroethane	59.26	1.0	50.00		119	70.4	136				
1,1-Dichloroethane	56.59	1.0	50.00		113	66.7	159				
1,1-Dichloroethene	60.89	2.0	50.00		122	60.2	159				
1,2,4-Trichlorobenzene	46.74	1.0	50.00		93.5	54.8	132				
1,2-Dibromo-3-chloropropane	47.09	1.0	50.00		94.2	52.3	130				
1,2-Dibromoethane	54.03	1.0	50.00		108	71.8	126				
1,2-Dichlorobenzene	52.79	1.0	50.00		106	63.9	127				
1,2-Dichloroethane	55.69	1.0	50.00		111	77	136				
1,2-Dichloropropane	56.98	1.0	50.00		114	66.7	147				
1,3-Dichlorobenzene	51.84	1.0	50.00		104	61.2	133				
1,4-Dichlorobenzene	52.55	1.0	50.00		105	68.6	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **1411594-004AMS** Client ID:
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **11/11/2014** Run No: **279884**
BatchID: **199057** Analysis Date: **11/13/2014** Seq No: **5917444**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	57.34	1.0	50.00		115	70.2	138				
Bromodichloromethane	56.83	1.0	50.00		114	58.9	153				
Bromoform	58.69	1.0	50.00		117	46.4	145				
Carbon tetrachloride	76.36	2.0	50.00		153	69.5	156				
Chlorobenzene	54.82	1.0	50.00		110	70.1	133				
Chloroform	58.99	1.0	50.00		118	70.8	144				
cis-1,2-Dichloroethene	59.30	1.0	50.00		119	74.5	158				
cis-1,3-Dichloropropene	51.20	1.0	50.00		102	50.5	148				
Dibromochloromethane	56.99	1.0	50.00		114	63	133				
Ethylbenzene	57.12	1.0	50.00		114	71.9	133				
Isopropylbenzene	48.75	1.0	50.00		97.5	59.5	128				
m,p-Xylene	109.5	1.0	100.0		110	70.1	137				
Methylene chloride	60.03	5.0	50.00		120	75.2	155				
o-Xylene	52.68	1.0	50.00		105	71.2	135				
Styrene	58.45	1.0	50.00		117	69.9	130				
Tetrachloroethene	54.79	1.0	50.00		110	65.3	148				
Toluene	57.13	1.0	50.00		114	70	139				
trans-1,2-Dichloroethene	58.37	2.0	50.00		117	64.1	156				
trans-1,3-Dichloropropene	47.46	2.0	50.00		94.9	61.1	134				
Trichloroethene	57.54	1.0	50.00		115	70.1	144				
Vinyl chloride	65.40	1.0	50.00		131	78	173				
Surr: 4-Bromofluorobenzene	45.73	0	50.00		91.5	70	130				
Surr: Dibromofluoromethane	55.82	0	50.00		112	70	130				
Surr: Toluene-d8	51.36	0	50.00		103	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **1411594-004AMSD** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279884**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/13/2014** Seq No: **5917445**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.12	1.0	50.00		114	74.5	152	57.88	1.32	23	
1,1,2,2-Tetrachloroethane	56.75	1.0	50.00		114	57.9	129	56.41	0.601	23.2	
1,1,2-Trichloroethane	59.04	1.0	50.00		118	70.4	136	59.26	0.372	22.7	
1,1-Dichloroethane	55.81	1.0	50.00		112	66.7	159	56.59	1.39	19.6	
1,1-Dichloroethene	58.02	2.0	50.00		116	60.2	159	60.89	4.83	19.2	
1,2,4-Trichlorobenzene	45.82	1.0	50.00		91.6	54.8	132	46.74	1.99	19.8	
1,2-Dibromo-3-chloropropane	47.72	1.0	50.00		95.4	52.3	130	47.09	1.33	20.4	
1,2-Dibromoethane	54.47	1.0	50.00		109	71.8	126	54.03	0.811	19.9	
1,2-Dichlorobenzene	51.89	1.0	50.00		104	63.9	127	52.79	1.72	21.4	
1,2-Dichloroethane	55.14	1.0	50.00		110	77	136	55.69	0.993	20.4	
1,2-Dichloropropane	56.70	1.0	50.00		113	66.7	147	56.98	0.493	22.5	
1,3-Dichlorobenzene	51.38	1.0	50.00		103	61.2	133	51.84	0.891	21.6	
1,4-Dichlorobenzene	52.06	1.0	50.00		104	68.6	128	52.55	0.937	20.6	
Benzene	56.35	1.0	50.00		113	70.2	138	57.34	1.74	20	
Bromodichloromethane	56.31	1.0	50.00		113	58.9	153	56.83	0.919	21.9	
Bromoform	58.56	1.0	50.00		117	46.4	145	58.69	0.222	20.1	
Carbon tetrachloride	75.02	2.0	50.00		150	69.5	156	76.36	1.77	23.3	
Chlorobenzene	54.50	1.0	50.00		109	70.1	133	54.82	0.585	20	
Chloroform	57.14	1.0	50.00		114	70.8	144	58.99	3.19	22.8	
cis-1,2-Dichloroethene	58.01	1.0	50.00		116	74.5	158	59.30	2.20	20.5	
cis-1,3-Dichloropropene	50.70	1.0	50.00		101	50.5	148	51.20	0.981	21.6	
Dibromochloromethane	56.53	1.0	50.00		113	63	133	56.99	0.810	18.6	
Ethylbenzene	56.24	1.0	50.00		112	71.9	133	57.12	1.55	20	
Isopropylbenzene	48.28	1.0	50.00		96.6	59.5	128	48.75	0.969	22.9	
m,p-Xylene	108.2	1.0	100.0		108	70.1	137	109.5	1.23	20	
Methylene chloride	59.03	5.0	50.00		118	75.2	155	60.03	1.68	22.2	
o-Xylene	52.17	1.0	50.00		104	71.2	135	52.68	0.973	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411267

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **1411594-004AMSD** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279884**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/13/2014** Seq No: **5917445**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	57.42	1.0	50.00		115	69.9	130	58.45	1.78	18.7	
Tetrachloroethene	53.72	1.0	50.00		107	65.3	148	54.79	1.97	19.7	
Toluene	55.57	1.0	50.00		111	70	139	57.13	2.77	20	
trans-1,2-Dichloroethene	57.28	2.0	50.00		115	64.1	156	58.37	1.88	22.9	
trans-1,3-Dichloropropene	47.88	2.0	50.00		95.8	61.1	134	47.46	0.881	22.4	
Trichloroethene	56.88	1.0	50.00		114	70.1	144	57.54	1.15	20	
Vinyl chloride	63.30	1.0	50.00		127	78	173	65.40	3.26	21.8	
Surr: 4-Bromofluorobenzene	45.82	0	50.00		91.6	70	130	45.73	0	0	
Surr: Dibromofluoromethane	55.05	0	50.00		110	70	130	55.82	0	0	
Surr: Toluene-d8	50.55	0	50.00		101	70	130	51.36	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 13, 2014

Paul Johnstone
AMEC E&I, Inc.
37 Villa Rd.
Greenville SC 29615

TEL: (864) 552-9624
FAX: (864) 552-9699

RE: RBTC Fountain Inn

Dear Paul Johnstone: Order No: 1411594

Analytical Environmental Services, Inc. received 20 samples on 11/7/2014 10:35:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-South Carolina Certification number 98016003 for Clean Water Act and for Solid and Hazardous Waste, effective until 6/30/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Tara Esbeck

Tara Esbeck
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1411594

Date: 11-5-14 Page 1 of 2

COMPANY: AMEC

ADDRESS: 37 Villa Road; Suite 201 Greenville, SC 29615

PHONE:

FAX:

SAMPLED BY: Lori Mauldin

SIGNATURE: Lori Mauldin

ANALYSIS REQUESTED: 8260

PRESERVATION (See codes): H+I

#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	8260 (H+I)	REMARKS	No # of Containers
1	TB-00-004	11-5	—	G		W	X		2
2	RB-00-003		915			W	X		2
3	FB-00-003		1530			W	X		2
4	SW-09-03X000XX		950			SW	X		2
5	SW-09-04X000XX		1115			SW	X		2
6	SW-09-05X000XX		1140			SW	X		2
7	SW-09-06X000XX		1200			SW	X		2
8	SW-09-07X000XX		1355			SW	X		2
9	SW-09-08X000XX		1430			SW	X		2
10	SW-09-10X000XX		930			SW	X		2
11	SW-09-12X000XX		1410			SW	X		2
12	SW-09-13X000XX		1505			SW	X		2
13	SW-09-13X000MS		1505			SW	X		2
14	SW-09-13X000MD		1505			SW	X		2

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Lori Mauldin	11-6-14 1600	1: FedEx	11-6-14-1600
2:		2: Tara Martin	11/7/14 10:35
3:		3:	

PROJECT INFORMATION

PROJECT NAME: RBTC-Ft. INN

PROJECT #: 6251121007

SITE ADDRESS:

SEND REPORT TO: Paul Johnstone

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other ____

STATE PROGRAM (if any): SC

E-mail? (Y) N; Fax? Y / N

DATA PACKAGE: I (II) III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER ____

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1411594

Date: 11-5-14 Page 2 of 2

COMPANY: AMEC

ADDRESS:

PHONE:

FAX:

SAMPLED BY: Lori Maula ← SIGNATURE: Lori Maulin

ANALYSIS REQUESTED: 8260

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE (2014)	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes) H+I	REMARKS	No # of Containers
1	PW-09-01X000XX	11-5	1145	G		GW	X		2
2	PW-09-03X000XX		1125				X		2
3	PW-09-08X000XX		1045				X		2
4	PW-09-09X000XX		1210				X		2
5	~~PW-10~~ PW-09-10X000XX		1400				X		2
6	PW-09-12X000XX		1415				X		2
7	PW-09-14X000XX		1455				X		2
8	PW-09-14X000XD		1455				X		2
9									
10									
11									
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Lori Maula	11-6-14 1600	1: FedEx	11-6-14 1600
2:		2: Tara McTamney	11/7/14 10:35
3:		3:	

PROJECT INFORMATION

PROJECT NAME: RBTC - Ft. Inn

PROJECT #: 625112007

SITE ADDRESS:

SEND REPORT TO: Paul Johnstone

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any): SC

E-mail? (Y) N; Fax? Y / N

DATA PACKAGE: I (II) III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 13-Nov-14

Client: AMEC E&I, Inc.
Project: RBTC Fountain Inn
Lab ID: 1411594

Case Narrative

Sample Receiving Nonconformance:

Sample information on the Chain of Custody did not match that on the sample bottle labels for samples 1411594-001A; 1411594-002A; Samples were reporteted according to the COC.

1411594-013A; 1411594-020A]. Samples were logged in using the information on the sample labels and by matching up with the number of vials received; SW-09-13X000XD(No ms/msd); pw-09-14x000xx (with ms/msd);]

Volatile Organic Compounds Analysis by Method 8260B:

LCS-199148 recovery for Carbon tetrachloride was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-004
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014
Lab ID:	1411594-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/12/2014 22:41	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/12/2014 22:41	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/12/2014 22:41	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/12/2014 22:41	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/12/2014 22:41	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/12/2014 22:41	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/12/2014 22:41	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/12/2014 22:41	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/12/2014 22:41	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/12/2014 22:41	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/12/2014 22:41	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/12/2014 22:41	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/12/2014 22:41	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/12/2014 22:41	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/12/2014 22:41	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/12/2014 22:41	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-004
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014
Lab ID:	1411594-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/12/2014 22:41	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/12/2014 22:41	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/12/2014 22:41	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/12/2014 22:41	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/12/2014 22:41	NP
Surr: 4-Bromofluorobenzene	83.1		0	70-130	%REC	199148	1	11/12/2014 22:41	NP
Surr: Dibromofluoromethane	105		0	70-130	%REC	199148	1	11/12/2014 22:41	NP
Surr: Toluene-d8	98.1		0	70-130	%REC	199148	1	11/12/2014 22:41	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-00-003
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 9:15:00 AM
Lab ID:	1411594-002	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/12/2014 23:05	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/12/2014 23:05	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/12/2014 23:05	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/12/2014 23:05	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/12/2014 23:05	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/12/2014 23:05	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/12/2014 23:05	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/12/2014 23:05	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/12/2014 23:05	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/12/2014 23:05	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/12/2014 23:05	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/12/2014 23:05	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/12/2014 23:05	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/12/2014 23:05	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/12/2014 23:05	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/12/2014 23:05	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-00-003
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 9:15:00 AM
Lab ID:	1411594-002	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/12/2014 23:05	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/12/2014 23:05	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/12/2014 23:05	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/12/2014 23:05	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/12/2014 23:05	NP
Surr: 4-Bromofluorobenzene	84.9		0	70-130	%REC	199148	1	11/12/2014 23:05	NP
Surr: Dibromofluoromethane	108		0	70-130	%REC	199148	1	11/12/2014 23:05	NP
Surr: Toluene-d8	98.4		0	70-130	%REC	199148	1	11/12/2014 23:05	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-003
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 3:30:00 PM
Lab ID:	1411594-003	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/12/2014 23:30	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/12/2014 23:30	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/12/2014 23:30	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/12/2014 23:30	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/12/2014 23:30	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/12/2014 23:30	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/12/2014 23:30	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/12/2014 23:30	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/12/2014 23:30	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/12/2014 23:30	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/12/2014 23:30	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/12/2014 23:30	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/12/2014 23:30	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/12/2014 23:30	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/12/2014 23:30	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/12/2014 23:30	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-003
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 3:30:00 PM
Lab ID:	1411594-003	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/12/2014 23:30	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/12/2014 23:30	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/12/2014 23:30	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/12/2014 23:30	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/12/2014 23:30	NP
Surr: 4-Bromofluorobenzene	82.4		0	70-130	%REC	199148	1	11/12/2014 23:30	NP
Surr: Dibromofluoromethane	108		0	70-130	%REC	199148	1	11/12/2014 23:30	NP
Surr: Toluene-d8	98.7		0	70-130	%REC	199148	1	11/12/2014 23:30	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 9:50:00 AM
Lab ID:	1411594-004	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199057	1	11/12/2014 23:54	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199057	1	11/12/2014 23:54	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199057	1	11/12/2014 23:54	NP
2-Butanone	BRL		2.0	10	ug/L	199057	1	11/12/2014 23:54	NP
2-Hexanone	BRL		0.59	10	ug/L	199057	1	11/12/2014 23:54	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199057	1	11/12/2014 23:54	NP
Acetone	BRL		5.6	20	ug/L	199057	1	11/12/2014 23:54	NP
Benzene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Bromoform	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Bromomethane	BRL		0.54	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199057	1	11/12/2014 23:54	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199057	1	11/12/2014 23:54	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Chloroethane	BRL		0.71	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Chloroform	BRL		0.45	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Chloromethane	BRL		0.60	1.0	ug/L	199057	1	11/12/2014 23:54	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 23:54	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199057	1	11/12/2014 23:54	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Freon-113	BRL		0.59	5.0	ug/L	199057	1	11/12/2014 23:54	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199057	1	11/12/2014 23:54	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199057	1	11/12/2014 23:54	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199057	1	11/12/2014 23:54	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 9:50:00 AM
Lab ID:	1411594-004	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199057	1	11/12/2014 23:54	NP
o-Xylene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Styrene	BRL		0.26	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Toluene	BRL		0.38	1.0	ug/L	199057	1	11/12/2014 23:54	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199057	1	11/12/2014 23:54	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199057	1	11/12/2014 23:54	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199057	1	11/12/2014 23:54	NP
Surr: 4-Bromofluorobenzene	80.6		0	70-130	%REC	199057	1	11/12/2014 23:54	NP
Surr: Dibromofluoromethane	108		0	70-130	%REC	199057	1	11/12/2014 23:54	NP
Surr: Toluene-d8	97.4		0	70-130	%REC	199057	1	11/12/2014 23:54	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-04X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 11:15:00 AM
Lab ID:	1411594-005	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 00:19	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 00:19	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 00:19	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 00:19	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 00:19	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 00:19	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 00:19	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 00:19	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 00:19	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 00:19	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 00:19	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 00:19	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 00:19	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 00:19	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 00:19	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 00:19	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-04X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 11:15:00 AM
Lab ID:	1411594-005	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 00:19	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Tetrachloroethene	58		0.39	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 00:19	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 00:19	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 00:19	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 00:19	NP
Surr: 4-Bromofluorobenzene	82.4		0	70-130	%REC	199148	1	11/13/2014 00:19	NP
Surr: Dibromofluoromethane	109		0	70-130	%REC	199148	1	11/13/2014 00:19	NP
Surr: Toluene-d8	99.9		0	70-130	%REC	199148	1	11/13/2014 00:19	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-05X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 11:40:00 AM
Lab ID:	1411594-006	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 00:44	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 00:44	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 00:44	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 00:44	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 00:44	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 00:44	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 00:44	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 00:44	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 00:44	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 00:44	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 00:44	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 00:44	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 00:44	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 00:44	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 00:44	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 00:44	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-05X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 11:40:00 AM
Lab ID:	1411594-006	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 00:44	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Tetrachloroethene	41		0.39	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 00:44	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 00:44	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 00:44	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 00:44	NP
Surr: 4-Bromofluorobenzene	82.3		0	70-130	%REC	199148	1	11/13/2014 00:44	NP
Surr: Dibromofluoromethane	111		0	70-130	%REC	199148	1	11/13/2014 00:44	NP
Surr: Toluene-d8	101		0	70-130	%REC	199148	1	11/13/2014 00:44	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-06X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 12:00:00 PM
Lab ID:	1411594-007	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 01:09	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 01:09	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 01:09	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 01:09	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 01:09	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 01:09	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 01:09	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 01:09	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 01:09	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 01:09	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 01:09	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 01:09	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 01:09	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 01:09	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 01:09	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 01:09	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-06X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 12:00:00 PM
Lab ID:	1411594-007	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 01:09	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Tetrachloroethene	20		0.39	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 01:09	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 01:09	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 01:09	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 01:09	NP
Surr: 4-Bromofluorobenzene	82.5		0	70-130	%REC	199148	1	11/13/2014 01:09	NP
Surr: Dibromofluoromethane	109		0	70-130	%REC	199148	1	11/13/2014 01:09	NP
Surr: Toluene-d8	100		0	70-130	%REC	199148	1	11/13/2014 01:09	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-07X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 1:55:00 PM
Lab ID:	1411594-008	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 01:34	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 01:34	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 01:34	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 01:34	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 01:34	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 01:34	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 01:34	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 01:34	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 01:34	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 01:34	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 01:34	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 01:34	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 01:34	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 01:34	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 01:34	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 01:34	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-07X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 1:55:00 PM
Lab ID:	1411594-008	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 01:34	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Tetrachloroethene	13		0.39	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 01:34	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 01:34	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 01:34	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 01:34	NP
Surr: 4-Bromofluorobenzene	81.1		0	70-130	%REC	199148	1	11/13/2014 01:34	NP
Surr: Dibromofluoromethane	108		0	70-130	%REC	199148	1	11/13/2014 01:34	NP
Surr: Toluene-d8	98.9		0	70-130	%REC	199148	1	11/13/2014 01:34	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-08X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:30:00 PM
Lab ID:	1411594-009	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 01:58	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 01:58	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 01:58	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 01:58	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 01:58	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 01:58	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 01:58	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 01:58	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 01:58	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 01:58	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 01:58	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 01:58	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 01:58	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 01:58	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 01:58	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 01:58	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-08X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:30:00 PM
Lab ID:	1411594-009	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 01:58	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Tetrachloroethene	3.6		0.39	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 01:58	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 01:58	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 01:58	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 01:58	NP
Surr: 4-Bromofluorobenzene	83.8		0	70-130	%REC	199148	1	11/13/2014 01:58	NP
Surr: Dibromofluoromethane	108		0	70-130	%REC	199148	1	11/13/2014 01:58	NP
Surr: Toluene-d8	99.7		0	70-130	%REC	199148	1	11/13/2014 01:58	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-10X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 9:30:00 AM
Lab ID:	1411594-010	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 02:22	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 02:22	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 02:22	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 02:22	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 02:22	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 02:22	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 02:22	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 02:22	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 02:22	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 02:22	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 02:22	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 02:22	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 02:22	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 02:22	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 02:22	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 02:22	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-10X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 9:30:00 AM
Lab ID:	1411594-010	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 02:22	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 02:22	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 02:22	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 02:22	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 02:22	NP
Surr: 4-Bromofluorobenzene	83.5		0	70-130	%REC	199148	1	11/13/2014 02:22	NP
Surr: Dibromofluoromethane	109		0	70-130	%REC	199148	1	11/13/2014 02:22	NP
Surr: Toluene-d8	99.2		0	70-130	%REC	199148	1	11/13/2014 02:22	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-12X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:10:00 PM
Lab ID:	1411594-011	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 02:47	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 02:47	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 02:47	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 02:47	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 02:47	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 02:47	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 02:47	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 02:47	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 02:47	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 02:47	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 02:47	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 02:47	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 02:47	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 02:47	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 02:47	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 02:47	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-12X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:10:00 PM
Lab ID:	1411594-011	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 02:47	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Tetrachloroethene	4.4		0.39	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 02:47	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 02:47	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 02:47	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 02:47	NP
Surr: 4-Bromofluorobenzene	80.7		0	70-130	%REC	199148	1	11/13/2014 02:47	NP
Surr: Dibromofluoromethane	112		0	70-130	%REC	199148	1	11/13/2014 02:47	NP
Surr: Toluene-d8	100		0	70-130	%REC	199148	1	11/13/2014 02:47	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-13X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 3:05:00 PM
Lab ID:	1411594-012	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 03:11	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 03:11	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 03:11	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 03:11	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 03:11	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 03:11	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 03:11	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 03:11	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 03:11	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 03:11	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 03:11	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 03:11	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 03:11	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 03:11	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 03:11	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 03:11	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-13X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 3:05:00 PM
Lab ID:	1411594-012	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 03:11	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 03:11	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 03:11	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 03:11	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 03:11	NP
Surr: 4-Bromofluorobenzene	79.2		0	70-130	%REC	199148	1	11/13/2014 03:11	NP
Surr: Dibromofluoromethane	112		0	70-130	%REC	199148	1	11/13/2014 03:11	NP
Surr: Toluene-d8	99.8		0	70-130	%REC	199148	1	11/13/2014 03:11	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-13X000XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 3:05:00 PM
Lab ID:	1411594-013	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 03:36	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 03:36	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 03:36	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 03:36	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 03:36	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 03:36	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 03:36	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 03:36	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 03:36	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 03:36	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 03:36	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 03:36	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 03:36	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 03:36	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 03:36	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 03:36	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SW-09-13X000XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 3:05:00 PM
Lab ID:	1411594-013	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 03:36	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 03:36	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 03:36	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 03:36	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 03:36	NP
Surr: 4-Bromofluorobenzene	82.4		0	70-130	%REC	199148	1	11/13/2014 03:36	NP
Surr: Dibromofluoromethane	110		0	70-130	%REC	199148	1	11/13/2014 03:36	NP
Surr: Toluene-d8	101		0	70-130	%REC	199148	1	11/13/2014 03:36	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-01X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 11:45:00 AM
Lab ID:	1411594-014	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 04:00	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 04:00	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 04:00	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 04:00	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 04:00	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 04:00	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 04:00	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 04:00	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 04:00	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 04:00	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 04:00	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 04:00	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 04:00	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 04:00	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 04:00	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 04:00	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-01X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 11:45:00 AM
Lab ID:	1411594-014	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 04:00	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 04:00	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 04:00	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 04:00	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 04:00	NP
Surr: 4-Bromofluorobenzene	80.6		0	70-130	%REC	199148	1	11/13/2014 04:00	NP
Surr: Dibromofluoromethane	111		0	70-130	%REC	199148	1	11/13/2014 04:00	NP
Surr: Toluene-d8	101		0	70-130	%REC	199148	1	11/13/2014 04:00	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 11:25:00 AM
Lab ID:	1411594-015	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 04:25	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 04:25	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 04:25	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 04:25	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 04:25	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 04:25	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 04:25	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 04:25	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 04:25	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 04:25	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 04:25	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 04:25	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 04:25	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 04:25	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 04:25	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 04:25	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 11:25:00 AM
Lab ID:	1411594-015	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 04:25	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Tetrachloroethene	3.2		0.39	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 04:25	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 04:25	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 04:25	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 04:25	NP
Surr: 4-Bromofluorobenzene	81.4		0	70-130	%REC	199148	1	11/13/2014 04:25	NP
Surr: Dibromofluoromethane	113		0	70-130	%REC	199148	1	11/13/2014 04:25	NP
Surr: Toluene-d8	101		0	70-130	%REC	199148	1	11/13/2014 04:25	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-08X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 10:45:00 AM
Lab ID:	1411594-016	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 04:49	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 04:49	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 04:49	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 04:49	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 04:49	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 04:49	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 04:49	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 04:49	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 04:49	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 04:49	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 04:49	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 04:49	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 04:49	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 04:49	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 04:49	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 04:49	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-08X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 10:45:00 AM
Lab ID:	1411594-016	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 04:49	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Toluene	4.9		0.38	1.0	ug/L	199148	1	11/13/2014 04:49	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 04:49	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 04:49	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 04:49	NP
Surr: 4-Bromofluorobenzene	81.2		0	70-130	%REC	199148	1	11/13/2014 04:49	NP
Surr: Dibromofluoromethane	113		0	70-130	%REC	199148	1	11/13/2014 04:49	NP
Surr: Toluene-d8	101		0	70-130	%REC	199148	1	11/13/2014 04:49	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-09X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 12:10:00 PM
Lab ID:	1411594-017	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 05:13	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 05:13	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 05:13	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 05:13	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 05:13	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 05:13	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 05:13	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 05:13	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 05:13	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 05:13	NP
cis-1,2-Dichloroethene	5.8		0.38	1.0	ug/L	199148	1	11/13/2014 05:13	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 05:13	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 05:13	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 05:13	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 05:13	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 05:13	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-09X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 12:10:00 PM
Lab ID:	1411594-017	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 05:13	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Toluene	6.5		0.38	1.0	ug/L	199148	1	11/13/2014 05:13	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 05:13	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 05:13	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 05:13	NP
Surr: 4-Bromofluorobenzene	81.9		0	70-130	%REC	199148	1	11/13/2014 05:13	NP
Surr: Dibromofluoromethane	112		0	70-130	%REC	199148	1	11/13/2014 05:13	NP
Surr: Toluene-d8	101		0	70-130	%REC	199148	1	11/13/2014 05:13	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-10X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:00:00 PM
Lab ID:	1411594-018	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 05:38	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 05:38	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 05:38	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 05:38	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 05:38	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 05:38	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 05:38	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 05:38	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 05:38	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 05:38	NP
cis-1,2-Dichloroethene	3.0		0.38	1.0	ug/L	199148	1	11/13/2014 05:38	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 05:38	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 05:38	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 05:38	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 05:38	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 05:38	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-10X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:00:00 PM
Lab ID:	1411594-018	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 05:38	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 05:38	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 05:38	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 05:38	NP
Trichloroethene	2.6		0.43	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 05:38	NP
Surr: 4-Bromofluorobenzene	82.2		0	70-130	%REC	199148	1	11/13/2014 05:38	NP
Surr: Dibromofluoromethane	110		0	70-130	%REC	199148	1	11/13/2014 05:38	NP
Surr: Toluene-d8	99.4		0	70-130	%REC	199148	1	11/13/2014 05:38	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-12X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:15:00 PM
Lab ID:	1411594-019	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 06:03	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 06:03	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 06:03	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 06:03	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 06:03	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 06:03	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 06:03	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 06:03	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 06:03	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 06:03	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 06:03	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 06:03	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 06:03	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 06:03	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 06:03	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 06:03	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-12X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:15:00 PM
Lab ID:	1411594-019	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 06:03	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 06:03	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 06:03	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 06:03	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 06:03	NP
Surr: 4-Bromofluorobenzene	80.2		0	70-130	%REC	199148	1	11/13/2014 06:03	NP
Surr: Dibromofluoromethane	115		0	70-130	%REC	199148	1	11/13/2014 06:03	NP
Surr: Toluene-d8	101		0	70-130	%REC	199148	1	11/13/2014 06:03	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-14X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:55:00 PM
Lab ID:	1411594-020	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.52	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,1,2,2-Tetrachloroethane	BRL		0.29	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,1,2-Trichloroethane	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,1-Dichloroethane	BRL		0.44	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,1-Dichloroethene	BRL		0.68	2.0	ug/L	199148	1	11/13/2014 06:27	NP
1,2,4-Trichlorobenzene	BRL		0.25	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,2-Dibromo-3-chloropropane	BRL		0.67	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,2-Dibromoethane	BRL		0.37	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,2-Dichlorobenzene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,2-Dichloroethane	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,2-Dichloropropane	BRL		0.21	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,3-Dichlorobenzene	BRL		0.28	1.0	ug/L	199148	1	11/13/2014 06:27	NP
1,4-Dichlorobenzene	BRL		0.33	1.0	ug/L	199148	1	11/13/2014 06:27	NP
2-Butanone	BRL		2.0	10	ug/L	199148	1	11/13/2014 06:27	NP
2-Hexanone	BRL		0.59	10	ug/L	199148	1	11/13/2014 06:27	NP
4-Methyl-2-pentanone	BRL		0.43	10	ug/L	199148	1	11/13/2014 06:27	NP
Acetone	BRL		5.6	20	ug/L	199148	1	11/13/2014 06:27	NP
Benzene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Bromodichloromethane	BRL		0.65	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Bromoform	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Bromomethane	BRL		0.54	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Carbon disulfide	BRL		1.0	5.0	ug/L	199148	1	11/13/2014 06:27	NP
Carbon tetrachloride	BRL		0.61	2.0	ug/L	199148	1	11/13/2014 06:27	NP
Chlorobenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Chloroethane	BRL		0.71	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Chloroform	BRL		0.45	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Chloromethane	BRL		0.60	1.0	ug/L	199148	1	11/13/2014 06:27	NP
cis-1,2-Dichloroethene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 06:27	NP
cis-1,3-Dichloropropene	BRL		0.31	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Cyclohexane	BRL		1.7	2.0	ug/L	199148	1	11/13/2014 06:27	NP
Dibromochloromethane	BRL		0.20	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Dichlorodifluoromethane	BRL		0.70	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Ethylbenzene	BRL		0.40	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Freon-113	BRL		0.59	5.0	ug/L	199148	1	11/13/2014 06:27	NP
Isopropylbenzene	BRL		0.36	1.0	ug/L	199148	1	11/13/2014 06:27	NP
m,p-Xylene	BRL		0.78	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Methyl acetate	BRL		1.5	2.0	ug/L	199148	1	11/13/2014 06:27	NP
Methyl tert-butyl ether	BRL		0.42	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Methylcyclohexane	BRL		0.49	2.0	ug/L	199148	1	11/13/2014 06:27	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 13-Nov-14

Client:	AMEC E&I, Inc.	**Client Sample ID:**	PW-09-14X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/5/2014 2:55:00 PM
Lab ID:	1411594-020	**Matrix:**	Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		0.91	5.0	ug/L	199148	1	11/13/2014 06:27	NP
o-Xylene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Styrene	BRL		0.26	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Tetrachloroethene	BRL		0.39	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Toluene	BRL		0.38	1.0	ug/L	199148	1	11/13/2014 06:27	NP
trans-1,2-Dichloroethene	BRL		0.40	2.0	ug/L	199148	1	11/13/2014 06:27	NP
trans-1,3-Dichloropropene	BRL		0.18	2.0	ug/L	199148	1	11/13/2014 06:27	NP
Trichloroethene	BRL		0.43	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Trichlorofluoromethane	BRL		0.62	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Vinyl chloride	BRL		0.50	1.0	ug/L	199148	1	11/13/2014 06:27	NP
Surr: 4-Bromofluorobenzene	81.4		0	70-130	%REC	199148	1	11/13/2014 06:27	NP
Surr: Dibromofluoromethane	113		0	70-130	%REC	199148	1	11/13/2014 06:27	NP
Surr: Toluene-d8	100		0	70-130	%REC	199148	1	11/13/2014 06:27	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC Work Order Number 1411594

Checklist completed by _____ 11/7/14
Signature Date

Carrier name: FedEx✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes ✓ No __ Not Present __

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.2 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes __ No ✓

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **MB-199057** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279793**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/11/2014** Seq No: **5915179**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **MB-199057** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279793**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/11/2014** Seq No: **5915179**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	1.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Surr: 4-Bromofluorobenzene	44.37	0	50.00		88.7	70	130				
Surr: Dibromofluoromethane	49.02	0	50.00		98.0	70	130				
Surr: Toluene-d8	47.93	0	50.00		95.9	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **LCS-199057** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279793**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/11/2014** Seq No: **5915188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	53.28	1.0	50.00		107	70	130				
1,1,2,2-Tetrachloroethane	50.47	1.0	50.00		101	70	130				
1,1,2-Trichloroethane	54.20	1.0	50.00		108	70	130				
1,1-Dichloroethane	48.96	1.0	50.00		97.9	70	130				
1,1-Dichloroethene	47.59	2.0	50.00		95.2	60	140				
1,2,4-Trichlorobenzene	47.12	1.0	50.00		94.2	70	130				
1,2-Dibromo-3-chloropropane	44.67	1.0	50.00		89.3	70	130				
1,2-Dibromoethane	52.55	1.0	50.00		105	70	130				
1,2-Dichlorobenzene	48.53	1.0	50.00		97.1	70	130				
1,2-Dichloroethane	55.84	1.0	50.00		112	70	130				
1,2-Dichloropropane	51.47	1.0	50.00		103	70	130				
1,3-Dichlorobenzene	48.72	1.0	50.00		97.4	70	130				
1,4-Dichlorobenzene	47.87	1.0	50.00		95.7	70	130				
Benzene	52.80	1.0	50.00		106	70	130				
Bromodichloromethane	53.47	1.0	50.00		107	70	130				
Bromoform	43.07	1.0	50.00		86.1	70	130				
Carbon tetrachloride	52.68	2.0	50.00		105	70	130				
Chlorobenzene	49.04	1.0	50.00		98.1	70	130				
Chloroform	52.69	1.0	50.00		105	70	130				
cis-1,2-Dichloroethene	57.48	1.0	50.00		115	70	130				
cis-1,3-Dichloropropene	53.55	1.0	50.00		107	70	130				
Dibromochloromethane	48.52	1.0	50.00		97.0	70	130				
Ethylbenzene	55.72	1.0	50.00		111	70	130				
Isopropylbenzene	51.17	1.0	50.00		102	70	130				
m,p-Xylene	107.3	1.0	100.0		107	70	130				
Methylene chloride	53.96	5.0	50.00		108	70	130				
o-Xylene	50.76	1.0	50.00		102	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **LCS-199057** Client ID: Units: **ug/L** Prep Date: **11/11/2014** Run No: **279793**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/11/2014** Seq No: **5915188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	51.78	1.0	50.00		104	70	130				
Tetrachloroethene	51.37	1.0	50.00		103	70	130				
Toluene	52.53	1.0	50.00		105	70	130				
trans-1,2-Dichloroethene	51.32	2.0	50.00		103	70	130				
trans-1,3-Dichloropropene	53.69	2.0	50.00		107	70	130				
Trichloroethene	53.73	1.0	50.00		107	70	130				
Vinyl chloride	48.04	1.0	50.00		96.1	70	130				
Surr: 4-Bromofluorobenzene	52.12	0	50.00		104	70	130				
Surr: Dibromofluoromethane	51.06	0	50.00		102	70	130				
Surr: Toluene-d8	49.68	0	50.00		99.4	70	130				

Sample ID: **1411594-004AMS** Client ID: **SW-09-03X000XX** Units: **ug/L** Prep Date: **11/11/2014** Run No: **279884**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/13/2014** Seq No: **5917444**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.88	1.0	50.00		116	74.5	152				
1,1,2,2-Tetrachloroethane	56.41	1.0	50.00		113	57.9	129				
1,1,2-Trichloroethane	59.26	1.0	50.00		119	70.4	136				
1,1-Dichloroethane	56.59	1.0	50.00		113	66.7	159				
1,1-Dichloroethene	60.89	2.0	50.00		122	60.2	159				
1,2,4-Trichlorobenzene	46.74	1.0	50.00		93.5	54.8	132				
1,2-Dibromo-3-chloropropane	47.09	1.0	50.00		94.2	52.3	130				
1,2-Dibromoethane	54.03	1.0	50.00		108	71.8	126				
1,2-Dichlorobenzene	52.79	1.0	50.00		106	63.9	127				
1,2-Dichloroethane	55.69	1.0	50.00		111	77	136				
1,2-Dichloropropane	56.98	1.0	50.00		114	66.7	147				
1,3-Dichlorobenzene	51.84	1.0	50.00		104	61.2	133				
1,4-Dichlorobenzene	52.55	1.0	50.00		105	68.6	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **1411594-004AMS** Client ID: **SW-09-03X000XX** Units: **ug/L** Prep Date: **11/11/2014** Run No: **279884**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/13/2014** Seq No: **5917444**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	57.34	1.0	50.00		115	70.2	138				
Bromodichloromethane	56.83	1.0	50.00		114	58.9	153				
Bromoform	58.69	1.0	50.00		117	46.4	145				
Carbon tetrachloride	76.36	2.0	50.00		153	69.5	156				
Chlorobenzene	54.82	1.0	50.00		110	70.1	133				
Chloroform	58.99	1.0	50.00		118	70.8	144				
cis-1,2-Dichloroethene	59.30	1.0	50.00		119	74.5	158				
cis-1,3-Dichloropropene	51.20	1.0	50.00		102	50.5	148				
Dibromochloromethane	56.99	1.0	50.00		114	63	133				
Ethylbenzene	57.12	1.0	50.00		114	71.9	133				
Isopropylbenzene	48.75	1.0	50.00		97.5	59.5	128				
m,p-Xylene	109.5	1.0	100.0		110	70.1	137				
Methylene chloride	60.03	5.0	50.00		120	75.2	155				
o-Xylene	52.68	1.0	50.00		105	71.2	135				
Styrene	58.45	1.0	50.00		117	69.9	130				
Tetrachloroethene	54.79	1.0	50.00		110	65.3	148				
Toluene	57.13	1.0	50.00		114	70	139				
trans-1,2-Dichloroethene	58.37	2.0	50.00		117	64.1	156				
trans-1,3-Dichloropropene	47.46	2.0	50.00		94.9	61.1	134				
Trichloroethene	57.54	1.0	50.00		115	70.1	144				
Vinyl chloride	65.40	1.0	50.00		131	78	173				
Surr: 4-Bromofluorobenzene	45.73	0	50.00		91.5	70	130				
Surr: Dibromofluoromethane	55.82	0	50.00		112	70	130				
Surr: Toluene-d8	51.36	0	50.00		103	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **1411594-004AMSD** Client ID: **SW-09-03X000XX** Units: **ug/L** Prep Date: **11/11/2014** Run No: **279884**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/13/2014** Seq No: **5917445**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.12	1.0	50.00		114	74.5	152	57.88	1.32	23	
1,1,2,2-Tetrachloroethane	56.75	1.0	50.00		114	57.9	129	56.41	0.601	23.2	
1,1,2-Trichloroethane	59.04	1.0	50.00		118	70.4	136	59.26	0.372	22.7	
1,1-Dichloroethane	55.81	1.0	50.00		112	66.7	159	56.59	1.39	19.6	
1,1-Dichloroethene	58.02	2.0	50.00		116	60.2	159	60.89	4.83	19.2	
1,2,4-Trichlorobenzene	45.82	1.0	50.00		91.6	54.8	132	46.74	1.99	19.8	
1,2-Dibromo-3-chloropropane	47.72	1.0	50.00		95.4	52.3	130	47.09	1.33	20.4	
1,2-Dibromoethane	54.47	1.0	50.00		109	71.8	126	54.03	0.811	19.9	
1,2-Dichlorobenzene	51.89	1.0	50.00		104	63.9	127	52.79	1.72	21.4	
1,2-Dichloroethane	55.14	1.0	50.00		110	77	136	55.69	0.993	20.4	
1,2-Dichloropropane	56.70	1.0	50.00		113	66.7	147	56.98	0.493	22.5	
1,3-Dichlorobenzene	51.38	1.0	50.00		103	61.2	133	51.84	0.891	21.6	
1,4-Dichlorobenzene	52.06	1.0	50.00		104	68.6	128	52.55	0.937	20.6	
Benzene	56.35	1.0	50.00		113	70.2	138	57.34	1.74	20	
Bromodichloromethane	56.31	1.0	50.00		113	58.9	153	56.83	0.919	21.9	
Bromoform	58.56	1.0	50.00		117	46.4	145	58.69	0.222	20.1	
Carbon tetrachloride	75.02	2.0	50.00		150	69.5	156	76.36	1.77	23.3	
Chlorobenzene	54.50	1.0	50.00		109	70.1	133	54.82	0.585	20	
Chloroform	57.14	1.0	50.00		114	70.8	144	58.99	3.19	22.8	
cis-1,2-Dichloroethene	58.01	1.0	50.00		116	74.5	158	59.30	2.20	20.5	
cis-1,3-Dichloropropene	50.70	1.0	50.00		101	50.5	148	51.20	0.981	21.6	
Dibromochloromethane	56.53	1.0	50.00		113	63	133	56.99	0.810	18.6	
Ethylbenzene	56.24	1.0	50.00		112	71.9	133	57.12	1.55	20	
Isopropylbenzene	48.28	1.0	50.00		96.6	59.5	128	48.75	0.969	22.9	
m,p-Xylene	108.2	1.0	100.0		108	70.1	137	109.5	1.23	20	
Methylene chloride	59.03	5.0	50.00		118	75.2	155	60.03	1.68	22.2	
o-Xylene	52.17	1.0	50.00		104	71.2	135	52.68	0.973	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199057

Sample ID: **1411594-004AMSD** Client ID: **SW-09-03X000XX** Units: **ug/L** Prep Date: **11/11/2014** Run No: **279884**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199057** Analysis Date: **11/13/2014** Seq No: **5917445**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	57.42	1.0	50.00		115	69.9	130	58.45	1.78	18.7	
Tetrachloroethene	53.72	1.0	50.00		107	65.3	148	54.79	1.97	19.7	
Toluene	55.57	1.0	50.00		111	70	139	57.13	2.77	20	
trans-1,2-Dichloroethene	57.28	2.0	50.00		115	64.1	156	58.37	1.88	22.9	
trans-1,3-Dichloropropene	47.88	2.0	50.00		95.8	61.1	134	47.46	0.881	22.4	
Trichloroethene	56.88	1.0	50.00		114	70.1	144	57.54	1.15	20	
Vinyl chloride	63.30	1.0	50.00		127	78	173	65.40	3.26	21.8	
Surr: 4-Bromofluorobenzene	45.82	0	50.00		91.6	70	130	45.73	0	0	
Surr: Dibromofluoromethane	55.05	0	50.00		110	70	130	55.82	0	0	
Surr: Toluene-d8	50.55	0	50.00		101	70	130	51.36	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199148

Sample ID: **MB-199148** Client ID: Units: **ug/L** Prep Date: **11/12/2014** Run No: **279884**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199148** Analysis Date: **11/12/2014** Seq No: **5917421**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199148

Sample ID: **MB-199148** Client ID: Units: **ug/L** Prep Date: **11/12/2014** Run No: **279884**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199148** Analysis Date: **11/12/2014** Seq No: **5917421**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	1.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Surr: 4-Bromofluorobenzene	42.09	0	50.00		84.2	70	130				
Surr: Dibromofluoromethane	51.78	0	50.00		104	70	130				
Surr: Toluene-d8	48.35	0	50.00		96.7	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199148

Sample ID: **LCS-199148** Client ID: Units: **ug/L** Prep Date: **11/12/2014** Run No: **279884**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199148** Analysis Date: **11/12/2014** Seq No: **5917420**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	50.51	1.0	50.00		101	70	130				
1,1,2,2-Tetrachloroethane	57.51	1.0	50.00		115	70	130				
1,1,2-Trichloroethane	55.75	1.0	50.00		112	70	130				
1,1-Dichloroethane	49.99	1.0	50.00		100.0	70	130				
1,1-Dichloroethene	52.54	2.0	50.00		105	60	140				
1,2,4-Trichlorobenzene	49.47	1.0	50.00		98.9	70	130				
1,2-Dibromo-3-chloropropane	51.44	1.0	50.00		103	70	130				
1,2-Dibromoethane	55.38	1.0	50.00		111	70	130				
1,2-Dichlorobenzene	52.08	1.0	50.00		104	70	130				
1,2-Dichloroethane	51.88	1.0	50.00		104	70	130				
1,2-Dichloropropane	53.80	1.0	50.00		108	70	130				
1,3-Dichlorobenzene	51.68	1.0	50.00		103	70	130				
1,4-Dichlorobenzene	51.39	1.0	50.00		103	70	130				
Benzene	52.54	1.0	50.00		105	70	130				
Bromodichloromethane	52.64	1.0	50.00		105	70	130				
Bromoform	59.13	1.0	50.00		118	70	130				
Carbon tetrachloride	66.78	2.0	50.00		134	70	130				S
Chlorobenzene	52.49	1.0	50.00		105	70	130				
Chloroform	52.41	1.0	50.00		105	70	130				
cis-1,2-Dichloroethene	53.47	1.0	50.00		107	70	130				
cis-1,3-Dichloropropene	50.31	1.0	50.00		101	70	130				
Dibromochloromethane	55.09	1.0	50.00		110	70	130				
Ethylbenzene	55.08	1.0	50.00		110	70	130				
Isopropylbenzene	48.61	1.0	50.00		97.2	70	130				
m,p-Xylene	105.8	1.0	100.0		106	70	130				
Methylene chloride	52.94	5.0	50.00		106	70	130				
o-Xylene	51.59	1.0	50.00		103	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199148

Sample ID: **LCS-199148** Client ID: Units: **ug/L** Prep Date: **11/12/2014** Run No: **279884**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199148** Analysis Date: **11/12/2014** Seq No: **5917420**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	57.30	1.0	50.00		115	70	130				
Tetrachloroethene	54.09	1.0	50.00		108	70	130				
Toluene	52.19	1.0	50.00		104	70	130				
trans-1,2-Dichloroethene	52.41	2.0	50.00		105	70	130				
trans-1,3-Dichloropropene	47.01	2.0	50.00		94.0	70	130				
Trichloroethene	53.01	1.0	50.00		106	70	130				
Vinyl chloride	49.75	1.0	50.00		99.5	70	130				
Surr: 4-Bromofluorobenzene	45.01	0	50.00		90.0	70	130				
Surr: Dibromofluoromethane	52.25	0	50.00		104	70	130				
Surr: Toluene-d8	49.09	0	50.00		98.2	70	130				

Sample ID: **1411594-020AMS** Client ID: **PW-09-14X000XX** Units: **ug/L** Prep Date: **11/12/2014** Run No: **279884**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199148** Analysis Date: **11/13/2014** Seq No: **5917442**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.06	1.0	50.00		114	74.5	152				
1,1,2,2-Tetrachloroethane	57.07	1.0	50.00		114	57.9	129				
1,1,2-Trichloroethane	59.12	1.0	50.00		118	70.4	136				
1,1-Dichloroethane	56.37	1.0	50.00		113	66.7	159				
1,1-Dichloroethene	58.76	2.0	50.00		118	60.2	159				
1,2,4-Trichlorobenzene	41.12	1.0	50.00		82.2	54.8	132				
1,2-Dibromo-3-chloropropane	47.29	1.0	50.00		94.6	52.3	130				
1,2-Dibromoethane	54.39	1.0	50.00		109	71.8	126				
1,2-Dichlorobenzene	50.86	1.0	50.00		102	63.9	127				
1,2-Dichloroethane	55.71	1.0	50.00		111	77	136				
1,2-Dichloropropane	56.04	1.0	50.00		112	66.7	147				
1,3-Dichlorobenzene	49.92	1.0	50.00		99.8	61.2	133				
1,4-Dichlorobenzene	50.74	1.0	50.00		101	68.6	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199148

Sample ID: **1411594-020AMS** Client ID: **PW-09-14X000XX** Units: **ug/L** Prep Date: **11/12/2014** Run No: **279884**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199148** Analysis Date: **11/13/2014** Seq No: **5917442**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	56.63	1.0	50.00		113	70.2	138				
Bromodichloromethane	56.32	1.0	50.00		113	58.9	153				
Bromoform	57.82	1.0	50.00		116	46.4	145				
Carbon tetrachloride	73.63	2.0	50.00		147	69.5	156				
Chlorobenzene	53.76	1.0	50.00		108	70.1	133				
Chloroform	59.43	1.0	50.00		119	70.8	144				
cis-1,2-Dichloroethene	58.02	1.0	50.00		116	74.5	158				
cis-1,3-Dichloropropene	48.30	1.0	50.00		96.6	50.5	148				
Dibromochloromethane	55.49	1.0	50.00		111	63	133				
Ethylbenzene	56.78	1.0	50.00		114	71.9	133				
Isopropylbenzene	46.56	1.0	50.00		93.1	59.5	128				
m,p-Xylene	108.4	1.0	100.0		108	70.1	137				
Methylene chloride	59.88	5.0	50.00		120	75.2	155				
o-Xylene	51.56	1.0	50.00		103	71.2	135				
Styrene	56.65	1.0	50.00		113	69.9	130				
Tetrachloroethene	53.88	1.0	50.00		108	65.3	148				
Toluene	55.88	1.0	50.00		112	70	139				
trans-1,2-Dichloroethene	56.73	2.0	50.00		113	64.1	156				
trans-1,3-Dichloropropene	46.00	2.0	50.00		92.0	61.1	134				
Trichloroethene	56.09	1.0	50.00		112	70.1	144				
Vinyl chloride	62.44	1.0	50.00		125	78	173				
Surr: 4-Bromofluorobenzene	46.55	0	50.00		93.1	70	130				
Surr: Dibromofluoromethane	56.49	0	50.00		113	70	130				
Surr: Toluene-d8	51.78	0	50.00		104	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199148

Sample ID: **1411594-020AMSD** Client ID: **PW-09-14X000XX** Units: **ug/L** Prep Date: **11/12/2014** Run No: **279884**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199148** Analysis Date: **11/13/2014** Seq No: **5917443**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.76	1.0	50.00		110	74.5	152	57.06	4.11	23	
1,1,2,2-Tetrachloroethane	55.55	1.0	50.00		111	57.9	129	57.07	2.70	23.2	
1,1,2-Trichloroethane	57.44	1.0	50.00		115	70.4	136	59.12	2.88	22.7	
1,1-Dichloroethane	53.96	1.0	50.00		108	66.7	159	56.37	4.37	19.6	
1,1-Dichloroethene	57.52	2.0	50.00		115	60.2	159	58.76	2.13	19.2	
1,2,4-Trichlorobenzene	42.35	1.0	50.00		84.7	54.8	132	41.12	2.95	19.8	
1,2-Dibromo-3-chloropropane	46.32	1.0	50.00		92.6	52.3	130	47.29	2.07	20.4	
1,2-Dibromoethane	53.02	1.0	50.00		106	71.8	126	54.39	2.55	19.9	
1,2-Dichlorobenzene	49.69	1.0	50.00		99.4	63.9	127	50.86	2.33	21.4	
1,2-Dichloroethane	53.65	1.0	50.00		107	77	136	55.71	3.77	20.4	
1,2-Dichloropropane	55.43	1.0	50.00		111	66.7	147	56.04	1.09	22.5	
1,3-Dichlorobenzene	49.69	1.0	50.00		99.4	61.2	133	49.92	0.462	21.6	
1,4-Dichlorobenzene	50.48	1.0	50.00		101	68.6	128	50.74	0.514	20.6	
Benzene	54.99	1.0	50.00		110	70.2	138	56.63	2.94	20	
Bromodichloromethane	55.81	1.0	50.00		112	58.9	153	56.32	0.910	21.9	
Bromoform	57.50	1.0	50.00		115	46.4	145	57.82	0.555	20.1	
Carbon tetrachloride	71.70	2.0	50.00		143	69.5	156	73.63	2.66	23.3	
Chlorobenzene	52.09	1.0	50.00		104	70.1	133	53.76	3.16	20	
Chloroform	56.29	1.0	50.00		113	70.8	144	59.43	5.43	22.8	
cis-1,2-Dichloroethene	56.44	1.0	50.00		113	74.5	158	58.02	2.76	20.5	
cis-1,3-Dichloropropene	47.47	1.0	50.00		94.9	50.5	148	48.30	1.73	21.6	
Dibromochloromethane	54.59	1.0	50.00		109	63	133	55.49	1.64	18.6	
Ethylbenzene	55.30	1.0	50.00		111	71.9	133	56.78	2.64	20	
Isopropylbenzene	46.86	1.0	50.00		93.7	59.5	128	46.56	0.642	22.9	
m,p-Xylene	104.6	1.0	100.0		105	70.1	137	108.4	3.62	20	
Methylene chloride	57.84	5.0	50.00		116	75.2	155	59.88	3.47	22.2	
o-Xylene	50.54	1.0	50.00		101	71.2	135	51.56	2.00	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1411594

ANALYTICAL QC SUMMARY REPORT

BatchID: 199148

Sample ID: **1411594-020AMSD** Client ID: **PW-09-14X000XX** Units: **ug/L** Prep Date: **11/12/2014** Run No: **279884**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **199148** Analysis Date: **11/13/2014** Seq No: **5917443**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	55.25	1.0	50.00		110	69.9	130	56.65	2.50	18.7	
Tetrachloroethene	52.62	1.0	50.00		105	65.3	148	53.88	2.37	19.7	
Toluene	54.33	1.0	50.00		109	70	139	55.88	2.81	20	
trans-1,2-Dichloroethene	54.33	2.0	50.00		109	64.1	156	56.73	4.32	22.9	
trans-1,3-Dichloropropene	44.25	2.0	50.00		88.5	61.1	134	46.00	3.88	22.4	
Trichloroethene	54.27	1.0	50.00		109	70.1	144	56.09	3.30	20	
Vinyl chloride	62.21	1.0	50.00		124	78	173	62.44	0.369	21.8	
Surr: 4-Bromofluorobenzene	45.43	0	50.00		90.9	70	130	46.55	0	0	
Surr: Dibromofluoromethane	55.24	0	50.00		110	70	130	56.49	0	0	
Surr: Toluene-d8	51.35	0	50.00		103	70	130	51.78	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

February 09, 2015

Paul Johnstone
AMEC E&I, Inc.
37 Villa Rd.
Greenville SC 29615

TEL: (864) 552-9624
FAX: (864) 552-9699

RE: RBTC - Ft. Inn, SC

Dear Paul Johnstone: Order No: 1501P17

Analytical Environmental Services, Inc. received 29 samples on 1/30/2015 5:23:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-South Carolina Certification number 98016003 for Clean Water Act and for Solid and Hazardous Waste, effective until 6/30/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Tara Esbeck

Tara Esbeck
Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1501P17

Date: 1-27/1-29 Page 1 of 3

COMPANY: AMEC Greenville, SC 29615

ADDRESS: 37 Villa Road Suite 201

PHONE:

FAX:

SAMPLED BY: Lori Mauldin

SIGNATURE: Lori Maulin

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260 VOCs	8270 SVOCs	6010C/7470A Metals	8015 SGCO TPH-										REMARKS	No # of Containers
							H	NA	NA	NA											
1	MW-08-01X000XX	1-27-15	1430	X		GW	X	X		X											6
2	MW-08-02D000XX	1-27-15	1450	X		GW	X	X		X											6
3	MW-08-03X000XX	"	1155	X		GW	X	X		X											6
4	MW-08-03X000XD	"	1155	X		GW	X	X		X											6
5	MW-08-04X000XX	"	1145	X		GW	X	X		X											6
6	MW-08-04X000MS	"	1145	X		GW	X	X		X											6
7	MW-08-04X000MD	"	1145	X		GW	X	X		X											6
8	MW-08-05X000XX	1-29-15	930	X		GW	X	X		X											6
9	MW-09-06X000XX	1-28-15	1000	X		GW	X														2
10	MW-09-09X000XX	1-28-15	1100	X		GW	X														2
11	~~MW-09-09X000XX~~																				
12	MW-09-10X000XX	1-28-15	1315	X		GW	X														2
13	MW-09-11X000XX	1-28-15	1425	X		GW	X														2
14	MW-09-11X000XD	1-28-15	1425	X		GW	X														2

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Lori Maulin	1300 1-30-15	1:	01-30-2015 1302
2:	01-30-15 5:23	2: Joana Pacuvar	1/30/15 1723
3:		3:	

PROJECT INFORMATION

PROJECT NAME: RBTC - Ft. Inn, SC

PROJECT #: 625112 1007

SITE ADDRESS: Ft. Inn, SC

SEND REPORT TO: Paul Johnstone

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: K 7185 PO#:

RECEIPT

Total # of Containers: 58

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any): SC

E-mail? (Y) N; Fax? Y / N

DATA PACKAGE: I (II) III IV

SPECIAL INSTRUCTIONS/COMMENTS:

Temp: 3.1°C, 3.3°C, 3.2°C, 3.0°C

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL (COURIER)

GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1501P17

Date: 1-27/1-29 Page 2 of 3

COMPANY: AMEC Greenville, SC
ADDRESS:
PHONE:
FAX:
SAMPLED BY:
SIGNATURE:

Visit our website **www.aesatlanta.com** to check on the status of your results, place bottle orders, etc.

ANALYSIS REQUESTED: 8260 VOCs | 8270 SVOCs | 6010C/7470A Metals | 8015 TPH-DRO

PRESERVATION (See codes): I | NA | NA/N | NA

#	SAMPLE ID	DATE (2015)	TIME	Grab	Composite	Matrix	8260 VOCs	8270 SVOCs	6010C/7470A Metals	8015 TPH-DRO	REMARKS	No # of Containers
1	MW-09-12DX000XX	1-28	1505	X		GW	X					2
2	MW-09-13X000XX		1615	X		GW	X					2
3	MW-09-14X000XX		1555	X		GW	X					2
4	MW-09-15X000XX		1430	X		GW	X					2
5	MW-09-16D000XX		1515	X		GW	X					2
6	MW-09-17X000XX		1345	X		GW	X					2
7	MW-09-18D000XX		1315	X		GW	X					2
8	MW-09-19D000XX		1130	X		GW	X					2
9	MW-03-20X000XX	1-27	1645	X		GW	X	X	X			5
10	MW-03-21X000XX		1600	X		GW			X			1
11	MW-04-22X000XX	1-29-15	1040	X		GW			X		Needs preserving	1
12	MW-04-23X000XX	1-28-15	1040	X		GW			X			1
13	MW-04-23X000XD		1040	X		GW			X			1
14	MW-04-23X000MS		1040	X		GW			X			1

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Lou Marlow	1-30-15 1300	1: [signature]	01-30-15 1304
2: [signature]	01-30-15 5:23	2: Joana Paeuwar	1/30/15 1723
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:
Temp: 3.1°C, 3.3°C, 3.2°C, 3.0°C

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL (COURIER)
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: RBTC - Ft. Inn, SC
PROJECT #: 6251121007
SITE ADDRESS:
SEND REPORT TO: Paul Johnstone
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: K7188 PO#:

RECEIPT
Total # of Containers: 26

Turnaround Time Request
● Standard 5 Business Days
○ 2 Business Day Rush
○ Next Business Day Rush
○ Same Day Rush (auth req.)
○ Other

STATE PROGRAM (if any): SC
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I (II) III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF COUSTODY

Work Order: 1501P12

Date: 1-27/1-29 Page 3 of 3

COMPANY: AMEC Greenville, SC

ADDRESS: 37 Villa Road Suite 201

PHONE:

FAX:

SAMPLED BY: Lori Mauldin

SIGNATURE: Lori Mauldin

ANALYSIS REQUESTED: 8260 VOCs | 8270 SVOCs | 6010C/7470A Metals

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	DATE (2015)	TIME	Grab	Composite	Matrix (See codes)	8260 VOCs (N)	8270 SVOCs (NA)	6010C/7470A Metals (NA/HNO3)	REMARKS	No # of Containers
1	MW-04-23X000MD	1-28	1040	X		GW	X		X		1
2	MW-04-24X000XX	1-28	1005	X		GW	X		X		3
3	FB-00-001	1-27	1230	X		W	X				2
4	FB-00-002	1-28	1400	X		W	X				2
5	FB-00-003	1-28	945	X		W	X				2
6	TB-00-001	1-29	1010	X		W	X				2
7											
8											
9											
10											
11											
12											
13											
14											

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Lori Mauldin	1-30-15 1300	1: [signature]	01-30-2015 13:02
2: [signature]	01-30-2015 5:23	2: Joana Pacurar	1/30/15 1723
3:		3:	

PROJECT INFORMATION

PROJECT NAME: RBTC. Ft. Inn, SC

PROJECT #: 6251121007

SITE ADDRESS: Ft. Inn, SC

SEND REPORT TO: Paul Johnstone

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: K 7188 PO#:

RECEIPT

Total # of Containers: 12

Turnaround Time Request
- ● Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other ________

STATE PROGRAM (if any): SC

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I (II) III IV

SPECIAL INSTRUCTIONS/COMMENTS:

Temp: 3.1°C, 3.3°C, 3.2°C, 3.0°C

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL (COURIER)
GREYHOUND OTHER ________

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: AMEC E&I, Inc.
Project: RBTC - Ft. Inn, SC
Lab ID: 1501P17

Case Narrative

Sample Receiving Nonconformance:

Sample information on the Chain of Custody did not match that on the sample bottle labels in terms of sample ID for samples "MW-04-23X000XX/MS/MD" and "MW-04-24X000XX". The containers for these samples are labeled "MW-03-23X000XX/MS/MDS" and "MW-03-24X000XX", respectively. Samples were reported using the information on the COC.

Semi-Volatile Organics Analysis by Method 8270D:

LCS-202444 recovery for hexachlorobutadiene was outside control limits biased low.

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-01X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 2:30:00 PM
Lab ID:	1501P17-001	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3520)**				
1,1´-Biphenyl	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
2,4,5-Trichlorophenol	BRL		1.4	25	ug/L	202444	1	02/05/2015 12:13	YH
2,4,6-Trichlorophenol	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:13	YH
2,4-Dichlorophenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 12:13	YH
2,4-Dimethylphenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 12:13	YH
2,4-Dinitrophenol	BRL		0.72	25	ug/L	202444	1	02/05/2015 12:13	YH
2,4-Dinitrotoluene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:13	YH
2,6-Dinitrotoluene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:13	YH
2-Chloronaphthalene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:13	YH
2-Chlorophenol	BRL		2.1	10	ug/L	202444	1	02/05/2015 12:13	YH
2-Methylnaphthalene	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:13	YH
2-Methylphenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:13	YH
2-Nitroaniline	BRL		1.4	25	ug/L	202444	1	02/05/2015 12:13	YH
2-Nitrophenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:13	YH
3,3´-Dichlorobenzidine	BRL		2.7	10	ug/L	202444	1	02/05/2015 12:13	YH
3-Nitroaniline	BRL		3.3	25	ug/L	202444	1	02/05/2015 12:13	YH
4,6-Dinitro-2-methylphenol	BRL		1.0	25	ug/L	202444	1	02/05/2015 12:13	YH
4-Bromophenyl phenyl ether	BRL		1.7	10	ug/L	202444	1	02/05/2015 12:13	YH
4-Chloro-3-methylphenol	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
4-Chloroaniline	BRL		4.2	10	ug/L	202444	1	02/05/2015 12:13	YH
4-Chlorophenyl phenyl ether	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
4-Methylphenol	BRL		3.3	10	ug/L	202444	1	02/05/2015 12:13	YH
4-Nitroaniline	BRL		1.3	25	ug/L	202444	1	02/05/2015 12:13	YH
4-Nitrophenol	BRL		1.2	25	ug/L	202444	1	02/05/2015 12:13	YH
Acenaphthene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
Acenaphthylene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Acetophenone	BRL		3.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Anthracene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:13	YH
Atrazine	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:13	YH
Benz(a)anthracene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
Benzaldehyde	BRL		6.2	10	ug/L	202444	1	02/05/2015 12:13	YH
Benzo(a)pyrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
Benzo(b)fluoranthene	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:13	YH
Benzo(g,h,i)perylene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:13	YH
Benzo(k)fluoranthene	BRL		2.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Bis(2-chloroethoxy)methane	BRL		1.7	10	ug/L	202444	1	02/05/2015 12:13	YH
Bis(2-chloroethyl)ether	BRL		2.2	10	ug/L	202444	1	02/05/2015 12:13	YH
Bis(2-chloroisopropyl)ether	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:13	YH
Bis(2-ethylhexyl)phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:13	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-01X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 2:30:00 PM
Lab ID:	1501P17-001	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3520)**				
Butyl benzyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 12:13	YH
Caprolactam	BRL		0.35	10	ug/L	202444	1	02/05/2015 12:13	YH
Carbazole	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Chrysene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
Di-n-butyl phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Di-n-octyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 12:13	YH
Dibenz(a,h)anthracene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Dibenzofuran	BRL		1.7	10	ug/L	202444	1	02/05/2015 12:13	YH
Diethyl phthalate	4.2	J	1.6	10	ug/L	202444	1	02/05/2015 12:13	YH
Dimethyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 12:13	YH
Fluoranthene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:13	YH
Fluorene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Hexachlorobenzene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
Hexachlorobutadiene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
Hexachlorocyclopentadiene	BRL		1.3	10	ug/L	202444	1	02/05/2015 12:13	YH
Hexachloroethane	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:13	YH
Indeno(1,2,3-cd)pyrene	BRL		2.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Isophorone	BRL		1.7	10	ug/L	202444	1	02/05/2015 12:13	YH
N-Nitrosodi-n-propylamine	BRL		1.8	10	ug/L	202444	1	02/05/2015 12:13	YH
N-Nitrosodiphenylamine	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Naphthalene	BRL		1.8	10	ug/L	202444	1	02/05/2015 12:13	YH
Nitrobenzene	BRL		2.3	10	ug/L	202444	1	02/05/2015 12:13	YH
Pentachlorophenol	BRL		1.1	25	ug/L	202444	1	02/05/2015 12:13	YH
Phenanthrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:13	YH
Phenol	BRL		1.2	10	ug/L	202444	1	02/05/2015 12:13	YH
Pyrene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:13	YH
Surr: 2,4,6-Tribromophenol	107		0	52-133	%REC	202444	1	02/05/2015 12:13	YH
Surr: 2-Fluorobiphenyl	82.3		0	50-121	%REC	202444	1	02/05/2015 12:13	YH
Surr: 2-Fluorophenol	54.4		0	27.5-120	%REC	202444	1	02/05/2015 12:13	YH
Surr: 4-Terphenyl-d14	84.8		0	46.3-137	%REC	202444	1	02/05/2015 12:13	YH
Surr: Nitrobenzene-d5	83.7		0	41.2-121	%REC	202444	1	02/05/2015 12:13	YH
Surr: Phenol-d5	74.6		0	14.3-120	%REC	202444	1	02/05/2015 12:13	YH
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/02/2015 23:08	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-01X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 2:30:00 PM
Lab ID:	1501P17-001	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/02/2015 23:08	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/02/2015 23:08	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/02/2015 23:08	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/02/2015 23:08	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/02/2015 23:08	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/02/2015 23:08	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/02/2015 23:08	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/02/2015 23:08	NP
Chlorobenzene	0.96	J	0.39	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/02/2015 23:08	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/02/2015 23:08	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/02/2015 23:08	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/02/2015 23:08	NP
Isopropylbenzene	1.3		0.33	1.0	ug/L	202599	1	02/02/2015 23:08	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/02/2015 23:08	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/02/2015 23:08	NP
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/02/2015 23:08	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/02/2015 23:08	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-01X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 2:30:00 PM
Lab ID:	1501P17-001	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/02/2015 23:08	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/02/2015 23:08	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/02/2015 23:08	NP
Surr: 4-Bromofluorobenzene	97.4		0	70-130	%REC	202599	1	02/02/2015 23:08	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202599	1	02/02/2015 23:08	NP
Surr: Toluene-d8	101		0	70-130	%REC	202599	1	02/02/2015 23:08	NP
DIESEL RANGE ORGANICS SW8015C					**(SW3510C)**				
Diesel Range Organics	0.15	J	0.15	0.20	mg/L	202545	1	02/05/2015 04:18	SH
Surr: Dioctylphthalate	78.5		0	45.9-126	%REC	202545	1	02/05/2015 04:18	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-02D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 2:50:00 PM
Lab ID:	1501P17-002	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
1,1´-Biphenyl	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
2,4,5-Trichlorophenol	BRL		1.4	25	ug/L	202444	1	02/05/2015 12:39	YH
2,4,6-Trichlorophenol	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:39	YH
2,4-Dichlorophenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 12:39	YH
2,4-Dimethylphenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 12:39	YH
2,4-Dinitrophenol	BRL		0.72	25	ug/L	202444	1	02/05/2015 12:39	YH
2,4-Dinitrotoluene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:39	YH
2,6-Dinitrotoluene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:39	YH
2-Chloronaphthalene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:39	YH
2-Chlorophenol	BRL		2.1	10	ug/L	202444	1	02/05/2015 12:39	YH
2-Methylnaphthalene	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:39	YH
2-Methylphenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:39	YH
2-Nitroaniline	BRL		1.4	25	ug/L	202444	1	02/05/2015 12:39	YH
2-Nitrophenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:39	YH
3,3´-Dichlorobenzidine	BRL		2.7	10	ug/L	202444	1	02/05/2015 12:39	YH
3-Nitroaniline	BRL		3.3	25	ug/L	202444	1	02/05/2015 12:39	YH
4,6-Dinitro-2-methylphenol	BRL		1.0	25	ug/L	202444	1	02/05/2015 12:39	YH
4-Bromophenyl phenyl ether	BRL		1.7	10	ug/L	202444	1	02/05/2015 12:39	YH
4-Chloro-3-methylphenol	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
4-Chloroaniline	BRL		4.2	10	ug/L	202444	1	02/05/2015 12:39	YH
4-Chlorophenyl phenyl ether	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
4-Methylphenol	BRL		3.3	10	ug/L	202444	1	02/05/2015 12:39	YH
4-Nitroaniline	BRL		1.3	25	ug/L	202444	1	02/05/2015 12:39	YH
4-Nitrophenol	BRL		1.2	25	ug/L	202444	1	02/05/2015 12:39	YH
Acenaphthene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
Acenaphthylene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Acetophenone	BRL		3.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Anthracene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:39	YH
Atrazine	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:39	YH
Benz(a)anthracene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
Benzaldehyde	BRL		6.2	10	ug/L	202444	1	02/05/2015 12:39	YH
Benzo(a)pyrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
Benzo(b)fluoranthene	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:39	YH
Benzo(g,h,i)perylene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:39	YH
Benzo(k)fluoranthene	BRL		2.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Bis(2-chloroethoxy)methane	BRL		1.7	10	ug/L	202444	1	02/05/2015 12:39	YH
Bis(2-chloroethyl)ether	BRL		2.2	10	ug/L	202444	1	02/05/2015 12:39	YH
Bis(2-chloroisopropyl)ether	BRL		1.9	10	ug/L	202444	1	02/05/2015 12:39	YH
Bis(2-ethylhexyl)phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:39	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-02D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 2:50:00 PM
Lab ID:	1501P17-002	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
Butyl benzyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 12:39	YH
Caprolactam	BRL		0.35	10	ug/L	202444	1	02/05/2015 12:39	YH
Carbazole	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Chrysene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
Di-n-butyl phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Di-n-octyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 12:39	YH
Dibenz(a,h)anthracene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Dibenzofuran	BRL		1.7	10	ug/L	202444	1	02/05/2015 12:39	YH
Diethyl phthalate	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:39	YH
Dimethyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 12:39	YH
Fluoranthene	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:39	YH
Fluorene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Hexachlorobenzene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
Hexachlorobutadiene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
Hexachlorocyclopentadiene	BRL		1.3	10	ug/L	202444	1	02/05/2015 12:39	YH
Hexachloroethane	BRL		1.6	10	ug/L	202444	1	02/05/2015 12:39	YH
Indeno(1,2,3-cd)pyrene	BRL		2.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Isophorone	BRL		1.7	10	ug/L	202444	1	02/05/2015 12:39	YH
N-Nitrosodi-n-propylamine	BRL		1.8	10	ug/L	202444	1	02/05/2015 12:39	YH
N-Nitrosodiphenylamine	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Naphthalene	BRL		1.8	10	ug/L	202444	1	02/05/2015 12:39	YH
Nitrobenzene	BRL		2.3	10	ug/L	202444	1	02/05/2015 12:39	YH
Pentachlorophenol	BRL		1.1	25	ug/L	202444	1	02/05/2015 12:39	YH
Phenanthrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 12:39	YH
Phenol	BRL		1.2	10	ug/L	202444	1	02/05/2015 12:39	YH
Pyrene	BRL		1.4	10	ug/L	202444	1	02/05/2015 12:39	YH
Surr: 2,4,6-Tribromophenol	108		0	52-133	%REC	202444	1	02/05/2015 12:39	YH
Surr: 2-Fluorobiphenyl	86.2		0	50-121	%REC	202444	1	02/05/2015 12:39	YH
Surr: 2-Fluorophenol	52.8		0	27.5-120	%REC	202444	1	02/05/2015 12:39	YH
Surr: 4-Terphenyl-d14	85.2		0	46.3-137	%REC	202444	1	02/05/2015 12:39	YH
Surr: Nitrobenzene-d5	87.3		0	41.2-121	%REC	202444	1	02/05/2015 12:39	YH
Surr: Phenol-d5	76.5		0	14.3-120	%REC	202444	1	02/05/2015 12:39	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/02/2015 23:33	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-02D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 2:50:00 PM
Lab ID:	1501P17-002	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/02/2015 23:33	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/02/2015 23:33	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/02/2015 23:33	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/02/2015 23:33	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/02/2015 23:33	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/02/2015 23:33	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/02/2015 23:33	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/02/2015 23:33	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/02/2015 23:33	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/02/2015 23:33	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/02/2015 23:33	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/02/2015 23:33	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/02/2015 23:33	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/02/2015 23:33	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/02/2015 23:33	NP
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/02/2015 23:33	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/02/2015 23:33	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-02D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 2:50:00 PM
Lab ID:	1501P17-002	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/02/2015 23:33	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/02/2015 23:33	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/02/2015 23:33	NP
Surr: 4-Bromofluorobenzene	95.3		0	70-130	%REC	202599	1	02/02/2015 23:33	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202599	1	02/02/2015 23:33	NP
Surr: Toluene-d8	100		0	70-130	%REC	202599	1	02/02/2015 23:33	NP
DIESEL RANGE ORGANICS SW8015C					**(SW3510C)**				
Diesel Range Organics	BRL		0.15	0.20	mg/L	202545	1	02/05/2015 04:42	SH
Surr: Dioctylphthalate	71.5		0	45.9-126	%REC	202545	1	02/05/2015 04:42	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-03X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:55:00 AM
Lab ID:	1501P17-003	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
1,1´-Biphenyl	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
2,4,5-Trichlorophenol	BRL		1.4	25	ug/L	202444	1	02/05/2015 13:06	YH
2,4,6-Trichlorophenol	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:06	YH
2,4-Dichlorophenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:06	YH
2,4-Dimethylphenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:06	YH
2,4-Dinitrophenol	BRL		0.72	25	ug/L	202444	1	02/05/2015 13:06	YH
2,4-Dinitrotoluene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:06	YH
2,6-Dinitrotoluene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:06	YH
2-Chloronaphthalene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:06	YH
2-Chlorophenol	BRL		2.1	10	ug/L	202444	1	02/05/2015 13:06	YH
2-Methylnaphthalene	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:06	YH
2-Methylphenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:06	YH
2-Nitroaniline	BRL		1.4	25	ug/L	202444	1	02/05/2015 13:06	YH
2-Nitrophenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:06	YH
3,3´-Dichlorobenzidine	BRL		2.7	10	ug/L	202444	1	02/05/2015 13:06	YH
3-Nitroaniline	BRL		3.3	25	ug/L	202444	1	02/05/2015 13:06	YH
4,6-Dinitro-2-methylphenol	BRL		1.0	25	ug/L	202444	1	02/05/2015 13:06	YH
4-Bromophenyl phenyl ether	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:06	YH
4-Chloro-3-methylphenol	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
4-Chloroaniline	BRL		4.2	10	ug/L	202444	1	02/05/2015 13:06	YH
4-Chlorophenyl phenyl ether	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
4-Methylphenol	BRL		3.3	10	ug/L	202444	1	02/05/2015 13:06	YH
4-Nitroaniline	BRL		1.3	25	ug/L	202444	1	02/05/2015 13:06	YH
4-Nitrophenol	BRL		1.2	25	ug/L	202444	1	02/05/2015 13:06	YH
Acenaphthene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
Acenaphthylene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Acetophenone	BRL		3.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Anthracene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:06	YH
Atrazine	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:06	YH
Benz(a)anthracene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
Benzaldehyde	BRL		6.2	10	ug/L	202444	1	02/05/2015 13:06	YH
Benzo(a)pyrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
Benzo(b)fluoranthene	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:06	YH
Benzo(g,h,i)perylene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:06	YH
Benzo(k)fluoranthene	BRL		2.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Bis(2-chloroethoxy)methane	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:06	YH
Bis(2-chloroethyl)ether	BRL		2.2	10	ug/L	202444	1	02/05/2015 13:06	YH
Bis(2-chloroisopropyl)ether	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:06	YH
Bis(2-ethylhexyl)phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:06	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-03X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:55:00 AM
Lab ID:	1501P17-003	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
Butyl benzyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:06	YH
Caprolactam	BRL		0.35	10	ug/L	202444	1	02/05/2015 13:06	YH
Carbazole	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Chrysene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
Di-n-butyl phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Di-n-octyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:06	YH
Dibenz(a,h)anthracene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Dibenzofuran	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:06	YH
Diethyl phthalate	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:06	YH
Dimethyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:06	YH
Fluoranthene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:06	YH
Fluorene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Hexachlorobenzene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
Hexachlorobutadiene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
Hexachlorocyclopentadiene	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:06	YH
Hexachloroethane	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:06	YH
Indeno(1,2,3-cd)pyrene	BRL		2.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Isophorone	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:06	YH
N-Nitrosodi-n-propylamine	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:06	YH
N-Nitrosodiphenylamine	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Naphthalene	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:06	YH
Nitrobenzene	BRL		2.3	10	ug/L	202444	1	02/05/2015 13:06	YH
Pentachlorophenol	BRL		1.1	25	ug/L	202444	1	02/05/2015 13:06	YH
Phenanthrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:06	YH
Phenol	BRL		1.2	10	ug/L	202444	1	02/05/2015 13:06	YH
Pyrene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:06	YH
Surr: 2,4,6-Tribromophenol	112		0	52-133	%REC	202444	1	02/05/2015 13:06	YH
Surr: 2-Fluorobiphenyl	83.3		0	50-121	%REC	202444	1	02/05/2015 13:06	YH
Surr: 2-Fluorophenol	65.6		0	27.5-120	%REC	202444	1	02/05/2015 13:06	YH
Surr: 4-Terphenyl-d14	88.8		0	46.3-137	%REC	202444	1	02/05/2015 13:06	YH
Surr: Nitrobenzene-d5	87.9		0	41.2-121	%REC	202444	1	02/05/2015 13:06	YH
Surr: Phenol-d5	86.3		0	14.3-120	%REC	202444	1	02/05/2015 13:06	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 09:37	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-03X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:55:00 AM
Lab ID:	1501P17-003	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 09:37	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 09:37	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 09:37	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 09:37	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 09:37	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 09:37	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 09:37	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 09:37	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 09:37	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 09:37	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 09:37	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 09:37	NP
Isopropylbenzene	0.39	J	0.33	1.0	ug/L	202599	1	02/03/2015 09:37	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 09:37	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 09:37	NP
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 09:37	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 09:37	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-03X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:55:00 AM
Lab ID:	1501P17-003	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 09:37	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 09:37	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 09:37	NP
Surr: 4-Bromofluorobenzene	96.1		0	70-130	%REC	202599	1	02/03/2015 09:37	NP
Surr: Dibromofluoromethane	105		0	70-130	%REC	202599	1	02/03/2015 09:37	NP
Surr: Toluene-d8	101		0	70-130	%REC	202599	1	02/03/2015 09:37	NP
DIESEL RANGE ORGANICS SW8015C				**(SW3510C)**					
Diesel Range Organics	0.21		0.15	0.20	mg/L	202545	1	02/05/2015 05:05	SH
Surr: Dioctylphthalate	90.3		0	45.9-126	%REC	202545	1	02/05/2015 05:05	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-03X000XD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:55:00 AM
Lab ID:	1501P17-004	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3520)**				
1,1´-Biphenyl	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
2,4,5-Trichlorophenol	BRL		1.4	25	ug/L	202444	1	02/05/2015 13:32	YH
2,4,6-Trichlorophenol	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:32	YH
2,4-Dichlorophenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:32	YH
2,4-Dimethylphenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:32	YH
2,4-Dinitrophenol	BRL		0.72	25	ug/L	202444	1	02/05/2015 13:32	YH
2,4-Dinitrotoluene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:32	YH
2,6-Dinitrotoluene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:32	YH
2-Chloronaphthalene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:32	YH
2-Chlorophenol	BRL		2.1	10	ug/L	202444	1	02/05/2015 13:32	YH
2-Methylnaphthalene	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:32	YH
2-Methylphenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:32	YH
2-Nitroaniline	BRL		1.4	25	ug/L	202444	1	02/05/2015 13:32	YH
2-Nitrophenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:32	YH
3,3´-Dichlorobenzidine	BRL		2.7	10	ug/L	202444	1	02/05/2015 13:32	YH
3-Nitroaniline	BRL		3.3	25	ug/L	202444	1	02/05/2015 13:32	YH
4,6-Dinitro-2-methylphenol	BRL		1.0	25	ug/L	202444	1	02/05/2015 13:32	YH
4-Bromophenyl phenyl ether	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:32	YH
4-Chloro-3-methylphenol	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
4-Chloroaniline	BRL		4.2	10	ug/L	202444	1	02/05/2015 13:32	YH
4-Chlorophenyl phenyl ether	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
4-Methylphenol	BRL		3.3	10	ug/L	202444	1	02/05/2015 13:32	YH
4-Nitroaniline	BRL		1.3	25	ug/L	202444	1	02/05/2015 13:32	YH
4-Nitrophenol	BRL		1.2	25	ug/L	202444	1	02/05/2015 13:32	YH
Acenaphthene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
Acenaphthylene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Acetophenone	BRL		3.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Anthracene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:32	YH
Atrazine	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:32	YH
Benz(a)anthracene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
Benzaldehyde	BRL		6.2	10	ug/L	202444	1	02/05/2015 13:32	YH
Benzo(a)pyrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
Benzo(b)fluoranthene	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:32	YH
Benzo(g,h,i)perylene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:32	YH
Benzo(k)fluoranthene	BRL		2.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Bis(2-chloroethoxy)methane	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:32	YH
Bis(2-chloroethyl)ether	BRL		2.2	10	ug/L	202444	1	02/05/2015 13:32	YH
Bis(2-chloroisopropyl)ether	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:32	YH
Bis(2-ethylhexyl)phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:32	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
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- E Estimated value above quantitation range
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- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-03X000XD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:55:00 AM
Lab ID:	1501P17-004	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
Butyl benzyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:32	YH
Caprolactam	BRL		0.35	10	ug/L	202444	1	02/05/2015 13:32	YH
Carbazole	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Chrysene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
Di-n-butyl phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Di-n-octyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:32	YH
Dibenz(a,h)anthracene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Dibenzofuran	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:32	YH
Diethyl phthalate	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:32	YH
Dimethyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:32	YH
Fluoranthene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:32	YH
Fluorene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Hexachlorobenzene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
Hexachlorobutadiene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
Hexachlorocyclopentadiene	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:32	YH
Hexachloroethane	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:32	YH
Indeno(1,2,3-cd)pyrene	BRL		2.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Isophorone	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:32	YH
N-Nitrosodi-n-propylamine	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:32	YH
N-Nitrosodiphenylamine	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Naphthalene	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:32	YH
Nitrobenzene	BRL		2.3	10	ug/L	202444	1	02/05/2015 13:32	YH
Pentachlorophenol	BRL		1.1	25	ug/L	202444	1	02/05/2015 13:32	YH
Phenanthrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:32	YH
Phenol	BRL		1.2	10	ug/L	202444	1	02/05/2015 13:32	YH
Pyrene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:32	YH
Surr: 2,4,6-Tribromophenol	112		0	52-133	%REC	202444	1	02/05/2015 13:32	YH
Surr: 2-Fluorobiphenyl	82.9		0	50-121	%REC	202444	1	02/05/2015 13:32	YH
Surr: 2-Fluorophenol	59.7		0	27.5-120	%REC	202444	1	02/05/2015 13:32	YH
Surr: 4-Terphenyl-d14	86		0	46.3-137	%REC	202444	1	02/05/2015 13:32	YH
Surr: Nitrobenzene-d5	82.3		0	41.2-121	%REC	202444	1	02/05/2015 13:32	YH
Surr: Phenol-d5	80.6		0	14.3-120	%REC	202444	1	02/05/2015 13:32	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 10:01	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-03X000XD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:55:00 AM
Lab ID:	1501P17-004	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 10:01	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 10:01	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 10:01	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 10:01	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 10:01	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 10:01	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 10:01	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 10:01	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 10:01	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 10:01	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 10:01	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 10:01	NP
Isopropylbenzene	0.40	J	0.33	1.0	ug/L	202599	1	02/03/2015 10:01	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 10:01	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 10:01	NP
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 10:01	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 10:01	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-03X000XD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:55:00 AM
Lab ID:	1501P17-004	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 10:01	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 10:01	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 10:01	NP
Surr: 4-Bromofluorobenzene	97.9		0	70-130	%REC	202599	1	02/03/2015 10:01	NP
Surr: Dibromofluoromethane	105		0	70-130	%REC	202599	1	02/03/2015 10:01	NP
Surr: Toluene-d8	99.6		0	70-130	%REC	202599	1	02/03/2015 10:01	NP
DIESEL RANGE ORGANICS SW8015C					**(SW3510C)**				
Diesel Range Organics	0.19	J	0.15	0.20	mg/L	202545	1	02/05/2015 05:28	SH
Surr: Dioctylphthalate	88.5		0	45.9-126	%REC	202545	1	02/05/2015 05:28	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-04X000XX/MS/MD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:45:00 AM
Lab ID:	1501P17-005	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
1,1´-Biphenyl	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
2,4,5-Trichlorophenol	BRL		1.4	25	ug/L	202444	1	02/05/2015 13:59	YH
2,4,6-Trichlorophenol	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:59	YH
2,4-Dichlorophenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:59	YH
2,4-Dimethylphenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:59	YH
2,4-Dinitrophenol	BRL		0.72	25	ug/L	202444	1	02/05/2015 13:59	YH
2,4-Dinitrotoluene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:59	YH
2,6-Dinitrotoluene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:59	YH
2-Chloronaphthalene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:59	YH
2-Chlorophenol	BRL		2.1	10	ug/L	202444	1	02/05/2015 13:59	YH
2-Methylnaphthalene	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:59	YH
2-Methylphenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:59	YH
2-Nitroaniline	BRL		1.4	25	ug/L	202444	1	02/05/2015 13:59	YH
2-Nitrophenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:59	YH
3,3´-Dichlorobenzidine	BRL		2.7	10	ug/L	202444	1	02/05/2015 13:59	YH
3-Nitroaniline	BRL		3.3	25	ug/L	202444	1	02/05/2015 13:59	YH
4,6-Dinitro-2-methylphenol	BRL		1.0	25	ug/L	202444	1	02/05/2015 13:59	YH
4-Bromophenyl phenyl ether	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:59	YH
4-Chloro-3-methylphenol	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
4-Chloroaniline	BRL		4.2	10	ug/L	202444	1	02/05/2015 13:59	YH
4-Chlorophenyl phenyl ether	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
4-Methylphenol	BRL		3.3	10	ug/L	202444	1	02/05/2015 13:59	YH
4-Nitroaniline	BRL		1.3	25	ug/L	202444	1	02/05/2015 13:59	YH
4-Nitrophenol	BRL		1.2	25	ug/L	202444	1	02/05/2015 13:59	YH
Acenaphthene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
Acenaphthylene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Acetophenone	BRL		3.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Anthracene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:59	YH
Atrazine	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:59	YH
Benz(a)anthracene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
Benzaldehyde	BRL		6.2	10	ug/L	202444	1	02/05/2015 13:59	YH
Benzo(a)pyrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
Benzo(b)fluoranthene	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:59	YH
Benzo(g,h,i)perylene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:59	YH
Benzo(k)fluoranthene	BRL		2.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Bis(2-chloroethoxy)methane	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:59	YH
Bis(2-chloroethyl)ether	BRL		2.2	10	ug/L	202444	1	02/05/2015 13:59	YH
Bis(2-chloroisopropyl)ether	BRL		1.9	10	ug/L	202444	1	02/05/2015 13:59	YH
Bis(2-ethylhexyl)phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:59	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
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- > Greater than Result value
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- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-04X000XX/MS/MD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:45:00 AM
Lab ID:	1501P17-005	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
Butyl benzyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:59	YH
Caprolactam	BRL		0.35	10	ug/L	202444	1	02/05/2015 13:59	YH
Carbazole	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Chrysene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
Di-n-butyl phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Di-n-octyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:59	YH
Dibenz(a,h)anthracene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Dibenzofuran	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:59	YH
Diethyl phthalate	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:59	YH
Dimethyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:59	YH
Fluoranthene	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:59	YH
Fluorene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Hexachlorobenzene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
Hexachlorobutadiene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
Hexachlorocyclopentadiene	BRL		1.3	10	ug/L	202444	1	02/05/2015 13:59	YH
Hexachloroethane	BRL		1.6	10	ug/L	202444	1	02/05/2015 13:59	YH
Indeno(1,2,3-cd)pyrene	BRL		2.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Isophorone	BRL		1.7	10	ug/L	202444	1	02/05/2015 13:59	YH
N-Nitrosodi-n-propylamine	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:59	YH
N-Nitrosodiphenylamine	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Naphthalene	BRL		1.8	10	ug/L	202444	1	02/05/2015 13:59	YH
Nitrobenzene	BRL		2.3	10	ug/L	202444	1	02/05/2015 13:59	YH
Pentachlorophenol	BRL		1.1	25	ug/L	202444	1	02/05/2015 13:59	YH
Phenanthrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 13:59	YH
Phenol	BRL		1.2	10	ug/L	202444	1	02/05/2015 13:59	YH
Pyrene	BRL		1.4	10	ug/L	202444	1	02/05/2015 13:59	YH
Surr: 2,4,6-Tribromophenol	111		0	52-133	%REC	202444	1	02/05/2015 13:59	YH
Surr: 2-Fluorobiphenyl	80.7		0	50-121	%REC	202444	1	02/05/2015 13:59	YH
Surr: 2-Fluorophenol	51		0	27.5-120	%REC	202444	1	02/05/2015 13:59	YH
Surr: 4-Terphenyl-d14	83.5		0	46.3-137	%REC	202444	1	02/05/2015 13:59	YH
Surr: Nitrobenzene-d5	81.9		0	41.2-121	%REC	202444	1	02/05/2015 13:59	YH
Surr: Phenol-d5	72.3		0	14.3-120	%REC	202444	1	02/05/2015 13:59	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 10:26	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-04X000XX/MS/MD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:45:00 AM
Lab ID:	1501P17-005	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 10:26	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 10:26	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 10:26	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 10:26	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 10:26	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 10:26	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 10:26	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 10:26	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 10:26	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 10:26	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 10:26	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 10:26	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 10:26	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 10:26	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 10:26	NP
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 10:26	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 10:26	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-04X000XX/MS/MD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 11:45:00 AM
Lab ID:	1501P17-005	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 10:26	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 10:26	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 10:26	NP
Surr: 4-Bromofluorobenzene	96.8		0	70-130	%REC	202599	1	02/03/2015 10:26	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202599	1	02/03/2015 10:26	NP
Surr: Toluene-d8	99.1		0	70-130	%REC	202599	1	02/03/2015 10:26	NP
DIESEL RANGE ORGANICS SW8015C				**(SW3510C)**					
Diesel Range Organics	0.30		0.15	0.20	mg/L	202545	1	02/04/2015 15:04	SH
Surr: Dioctylphthalate	93.9		0	45.9-126	%REC	202545	1	02/04/2015 15:04	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-05X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/29/2015 9:30:00 AM
Lab ID:	1501P17-006	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
1,1´-Biphenyl	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
2,4,5-Trichlorophenol	BRL		1.4	25	ug/L	202444	1	02/05/2015 14:25	YH
2,4,6-Trichlorophenol	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:25	YH
2,4-Dichlorophenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 14:25	YH
2,4-Dimethylphenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 14:25	YH
2,4-Dinitrophenol	BRL		0.72	25	ug/L	202444	1	02/05/2015 14:25	YH
2,4-Dinitrotoluene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:25	YH
2,6-Dinitrotoluene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:25	YH
2-Chloronaphthalene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:25	YH
2-Chlorophenol	BRL		2.1	10	ug/L	202444	1	02/05/2015 14:25	YH
2-Methylnaphthalene	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:25	YH
2-Methylphenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:25	YH
2-Nitroaniline	BRL		1.4	25	ug/L	202444	1	02/05/2015 14:25	YH
2-Nitrophenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:25	YH
3,3´-Dichlorobenzidine	BRL		2.7	10	ug/L	202444	1	02/05/2015 14:25	YH
3-Nitroaniline	BRL		3.3	25	ug/L	202444	1	02/05/2015 14:25	YH
4,6-Dinitro-2-methylphenol	BRL		1.0	25	ug/L	202444	1	02/05/2015 14:25	YH
4-Bromophenyl phenyl ether	BRL		1.7	10	ug/L	202444	1	02/05/2015 14:25	YH
4-Chloro-3-methylphenol	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
4-Chloroaniline	BRL		4.2	10	ug/L	202444	1	02/05/2015 14:25	YH
4-Chlorophenyl phenyl ether	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
4-Methylphenol	BRL		3.3	10	ug/L	202444	1	02/05/2015 14:25	YH
4-Nitroaniline	BRL		1.3	25	ug/L	202444	1	02/05/2015 14:25	YH
4-Nitrophenol	BRL		1.2	25	ug/L	202444	1	02/05/2015 14:25	YH
Acenaphthene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
Acenaphthylene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Acetophenone	BRL		3.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Anthracene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:25	YH
Atrazine	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:25	YH
Benz(a)anthracene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
Benzaldehyde	BRL		6.2	10	ug/L	202444	1	02/05/2015 14:25	YH
Benzo(a)pyrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
Benzo(b)fluoranthene	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:25	YH
Benzo(g,h,i)perylene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:25	YH
Benzo(k)fluoranthene	BRL		2.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Bis(2-chloroethoxy)methane	BRL		1.7	10	ug/L	202444	1	02/05/2015 14:25	YH
Bis(2-chloroethyl)ether	BRL		2.2	10	ug/L	202444	1	02/05/2015 14:25	YH
Bis(2-chloroisopropyl)ether	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:25	YH
Bis(2-ethylhexyl)phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:25	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
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Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-05X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/29/2015 9:30:00 AM
Lab ID:	1501P17-006	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
Butyl benzyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 14:25	YH
Caprolactam	BRL		0.35	10	ug/L	202444	1	02/05/2015 14:25	YH
Carbazole	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Chrysene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
Di-n-butyl phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Di-n-octyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 14:25	YH
Dibenz(a,h)anthracene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Dibenzofuran	BRL		1.7	10	ug/L	202444	1	02/05/2015 14:25	YH
Diethyl phthalate	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:25	YH
Dimethyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 14:25	YH
Fluoranthene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:25	YH
Fluorene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Hexachlorobenzene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
Hexachlorobutadiene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
Hexachlorocyclopentadiene	BRL		1.3	10	ug/L	202444	1	02/05/2015 14:25	YH
Hexachloroethane	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:25	YH
Indeno(1,2,3-cd)pyrene	BRL		2.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Isophorone	BRL		1.7	10	ug/L	202444	1	02/05/2015 14:25	YH
N-Nitrosodi-n-propylamine	BRL		1.8	10	ug/L	202444	1	02/05/2015 14:25	YH
N-Nitrosodiphenylamine	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Naphthalene	BRL		1.8	10	ug/L	202444	1	02/05/2015 14:25	YH
Nitrobenzene	BRL		2.3	10	ug/L	202444	1	02/05/2015 14:25	YH
Pentachlorophenol	BRL		1.1	25	ug/L	202444	1	02/05/2015 14:25	YH
Phenanthrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:25	YH
Phenol	BRL		1.2	10	ug/L	202444	1	02/05/2015 14:25	YH
Pyrene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:25	YH
Surr: 2,4,6-Tribromophenol	109		0	52-133	%REC	202444	1	02/05/2015 14:25	YH
Surr: 2-Fluorobiphenyl	83.8		0	50-121	%REC	202444	1	02/05/2015 14:25	YH
Surr: 2-Fluorophenol	58.6		0	27.5-120	%REC	202444	1	02/05/2015 14:25	YH
Surr: 4-Terphenyl-d14	88.9		0	46.3-137	%REC	202444	1	02/05/2015 14:25	YH
Surr: Nitrobenzene-d5	85.3		0	41.2-121	%REC	202444	1	02/05/2015 14:25	YH
Surr: Phenol-d5	78.5		0	14.3-120	%REC	202444	1	02/05/2015 14:25	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 10:51	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-05X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/29/2015 9:30:00 AM
Lab ID:	1501P17-006	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 10:51	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 10:51	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 10:51	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 10:51	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 10:51	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 10:51	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 10:51	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 10:51	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 10:51	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 10:51	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 10:51	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 10:51	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 10:51	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 10:51	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 10:51	NP
Methylene chloride	1.6	J	0.23	5.0	ug/L	202599	1	02/03/2015 10:51	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 10:51	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-08-05X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/29/2015 9:30:00 AM
Lab ID:	1501P17-006	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 10:51	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 10:51	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 10:51	NP
Surr: 4-Bromofluorobenzene	96.7		0	70-130	%REC	202599	1	02/03/2015 10:51	NP
Surr: Dibromofluoromethane	105		0	70-130	%REC	202599	1	02/03/2015 10:51	NP
Surr: Toluene-d8	100		0	70-130	%REC	202599	1	02/03/2015 10:51	NP
DIESEL RANGE ORGANICS SW8015C				**(SW3510C)**					
Diesel Range Organics	BRL		0.15	0.20	mg/L	202545	1	02/05/2015 05:51	SH
Surr: Dioctylphthalate	95.6		0	45.9-126	%REC	202545	1	02/05/2015 05:51	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-06X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 10:00:00 AM
Lab ID:	1501P17-007	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 11:16	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 11:16	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 11:16	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 11:16	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 11:16	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 11:16	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 11:16	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 11:16	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 11:16	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 11:16	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 11:16	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 11:16	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 11:16	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 11:16	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 11:16	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 11:16	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-06X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 10:00:00 AM
Lab ID:	1501P17-007	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 11:16	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 11:16	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 11:16	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 11:16	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 11:16	NP
Surr: 4-Bromofluorobenzene	96.6		0	70-130	%REC	202599	1	02/03/2015 11:16	NP
Surr: Dibromofluoromethane	105		0	70-130	%REC	202599	1	02/03/2015 11:16	NP
Surr: Toluene-d8	99.8		0	70-130	%REC	202599	1	02/03/2015 11:16	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-09X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 11:00:00 AM
Lab ID:	1501P17-008	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 11:42	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 11:42	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 11:42	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 11:42	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 11:42	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 11:42	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 11:42	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 11:42	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 11:42	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 11:42	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 11:42	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 11:42	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 11:42	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 11:42	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 11:42	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 11:42	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-09X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 11:00:00 AM
Lab ID:	1501P17-008	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 11:42	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Tetrachloroethene	7.4		0.42	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 11:42	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 11:42	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 11:42	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 11:42	NP
Surr: 4-Bromofluorobenzene	96.3		0	70-130	%REC	202599	1	02/03/2015 11:42	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202599	1	02/03/2015 11:42	NP
Surr: Toluene-d8	102		0	70-130	%REC	202599	1	02/03/2015 11:42	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-10X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 1:15:00 PM
Lab ID:	1501P17-009	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 12:06	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 12:06	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 12:06	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 12:06	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 12:06	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 12:06	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 12:06	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 12:06	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 12:06	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 12:06	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 12:06	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 12:06	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 12:06	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 12:06	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 12:06	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 12:06	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-10X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 1:15:00 PM
Lab ID:	1501P17-009	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 12:06	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 12:06	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 12:06	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 12:06	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 12:06	NP
Surr: 4-Bromofluorobenzene	94.7		0	70-130	%REC	202599	1	02/03/2015 12:06	NP
Surr: Dibromofluoromethane	107		0	70-130	%REC	202599	1	02/03/2015 12:06	NP
Surr: Toluene-d8	103		0	70-130	%REC	202599	1	02/03/2015 12:06	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-11X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 2:25:00 PM
Lab ID:	1501P17-010	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 12:31	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 12:31	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 12:31	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 12:31	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 12:31	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 12:31	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 12:31	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 12:31	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 12:31	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 12:31	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 12:31	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 12:31	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 12:31	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 12:31	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 12:31	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 12:31	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-11X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 2:25:00 PM
Lab ID:	1501P17-010	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 12:31	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Tetrachloroethene	54		0.42	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 12:31	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 12:31	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 12:31	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 12:31	NP
Surr: 4-Bromofluorobenzene	94.6		0	70-130	%REC	202599	1	02/03/2015 12:31	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202599	1	02/03/2015 12:31	NP
Surr: Toluene-d8	98.7		0	70-130	%REC	202599	1	02/03/2015 12:31	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-11X000XD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 2:25:00 PM
Lab ID:	1501P17-011	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 12:56	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 12:56	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 12:56	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 12:56	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 12:56	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 12:56	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 12:56	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 12:56	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 12:56	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 12:56	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 12:56	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 12:56	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 12:56	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 12:56	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 12:56	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 12:56	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-11X000XD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 2:25:00 PM
Lab ID:	1501P17-011	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 12:56	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Tetrachloroethene	53		0.42	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 12:56	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 12:56	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 12:56	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 12:56	NP
Surr: 4-Bromofluorobenzene	94.8		0	70-130	%REC	202599	1	02/03/2015 12:56	NP
Surr: Dibromofluoromethane	106		0	70-130	%REC	202599	1	02/03/2015 12:56	NP
Surr: Toluene-d8	103		0	70-130	%REC	202599	1	02/03/2015 12:56	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-12D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 3:05:00 PM
Lab ID:	1501P17-012	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 13:21	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 13:21	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 13:21	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 13:21	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 13:21	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 13:21	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 13:21	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 13:21	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 13:21	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 13:21	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 13:21	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 13:21	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 13:21	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 13:21	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 13:21	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 13:21	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-12D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 3:05:00 PM
Lab ID:	1501P17-012	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 13:21	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 13:21	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 13:21	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 13:21	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 13:21	NP
Surr: 4-Bromofluorobenzene	94.3		0	70-130	%REC	202599	1	02/03/2015 13:21	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202599	1	02/03/2015 13:21	NP
Surr: Toluene-d8	101		0	70-130	%REC	202599	1	02/03/2015 13:21	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-13X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 4:15:00 PM
Lab ID:	1501P17-013	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 13:45	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 13:45	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 13:45	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 13:45	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 13:45	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 13:45	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 13:45	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 13:45	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 13:45	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Chloroform	0.86	J	0.38	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 13:45	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 13:45	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 13:45	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 13:45	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 13:45	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 13:45	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 13:45	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-13X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 4:15:00 PM
Lab ID:	1501P17-013	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	1.0	J	0.23	5.0	ug/L	202599	1	02/03/2015 13:45	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 13:45	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 13:45	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 13:45	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 13:45	NP
Surr: 4-Bromofluorobenzene	94.6		0	70-130	%REC	202599	1	02/03/2015 13:45	NP
Surr: Dibromofluoromethane	106		0	70-130	%REC	202599	1	02/03/2015 13:45	NP
Surr: Toluene-d8	101		0	70-130	%REC	202599	1	02/03/2015 13:45	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-14X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 3:55:00 PM
Lab ID:	1501P17-014	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 14:10	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 14:10	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 14:10	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 14:10	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 14:10	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 14:10	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 14:10	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 14:10	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 14:10	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 14:10	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 14:10	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 14:10	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 14:10	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 14:10	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 14:10	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 14:10	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-14X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 3:55:00 PM
Lab ID:	1501P17-014	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 14:10	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 14:10	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 14:10	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 14:10	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 14:10	NP
Surr: 4-Bromofluorobenzene	96.5		0	70-130	%REC	202599	1	02/03/2015 14:10	NP
Surr: Dibromofluoromethane	105		0	70-130	%REC	202599	1	02/03/2015 14:10	NP
Surr: Toluene-d8	101		0	70-130	%REC	202599	1	02/03/2015 14:10	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-15X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 2:30:00 PM
Lab ID:	1501P17-015	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 14:35	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 14:35	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 14:35	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 14:35	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 14:35	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 14:35	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 14:35	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 14:35	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 14:35	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 14:35	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 14:35	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 14:35	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 14:35	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 14:35	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 14:35	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 14:35	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-15X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 2:30:00 PM
Lab ID:	1501P17-015	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 14:35	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Tetrachloroethene	67		0.42	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 14:35	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 14:35	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 14:35	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 14:35	NP
Surr: 4-Bromofluorobenzene	94.7		0	70-130	%REC	202599	1	02/03/2015 14:35	NP
Surr: Dibromofluoromethane	106		0	70-130	%REC	202599	1	02/03/2015 14:35	NP
Surr: Toluene-d8	102		0	70-130	%REC	202599	1	02/03/2015 14:35	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-16D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 3:15:00 PM
Lab ID:	1501P17-016	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 15:25	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 15:25	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 15:25	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 15:25	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 15:25	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 15:25	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 15:25	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 15:25	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 15:25	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 15:25	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 15:25	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 15:25	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 15:25	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 15:25	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 15:25	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 15:25	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-16D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 3:15:00 PM
Lab ID:	1501P17-016	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	1.2	J	0.23	5.0	ug/L	202599	1	02/03/2015 15:25	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 15:25	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 15:25	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 15:25	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 15:25	NP
Surr: 4-Bromofluorobenzene	96.7		0	70-130	%REC	202599	1	02/03/2015 15:25	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202599	1	02/03/2015 15:25	NP
Surr: Toluene-d8	101		0	70-130	%REC	202599	1	02/03/2015 15:25	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-17X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 1:45:00 PM
Lab ID:	1501P17-017	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 15:50	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 15:50	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 15:50	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 15:50	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 15:50	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 15:50	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 15:50	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 15:50	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 15:50	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 15:50	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 15:50	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 15:50	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 15:50	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 15:50	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 15:50	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 15:50	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-17X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 1:45:00 PM
Lab ID:	1501P17-017	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	1.2	J	0.23	5.0	ug/L	202599	1	02/03/2015 15:50	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 15:50	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 15:50	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 15:50	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 15:50	NP
Surr: 4-Bromofluorobenzene	95.5		0	70-130	%REC	202599	1	02/03/2015 15:50	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202599	1	02/03/2015 15:50	NP
Surr: Toluene-d8	103		0	70-130	%REC	202599	1	02/03/2015 15:50	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-18D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 1:15:00 PM
Lab ID:	1501P17-018	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 16:14	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 16:14	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 16:14	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 16:14	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 16:14	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 16:14	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 16:14	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 16:14	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 16:14	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 16:14	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 16:14	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 16:14	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 16:14	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 16:14	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 16:14	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 16:14	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-18D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 1:15:00 PM
Lab ID:	1501P17-018	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 16:14	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 16:14	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 16:14	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 16:14	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 16:14	NP
Surr: 4-Bromofluorobenzene	96.7		0	70-130	%REC	202599	1	02/03/2015 16:14	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202599	1	02/03/2015 16:14	NP
Surr: Toluene-d8	101		0	70-130	%REC	202599	1	02/03/2015 16:14	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-19D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 11:30:00 AM
Lab ID:	1501P17-019	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 16:39	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 16:39	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 16:39	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 16:39	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 16:39	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 16:39	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 16:39	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Carbon disulfide	3.4	J	0.60	5.0	ug/L	202599	1	02/03/2015 16:39	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 16:39	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 16:39	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 16:39	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 16:39	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 16:39	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 16:39	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 16:39	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 16:39	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-19D000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 11:30:00 AM
Lab ID:	1501P17-019	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 16:39	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 16:39	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 16:39	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 16:39	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 16:39	NP
Surr: 4-Bromofluorobenzene	94.1		0	70-130	%REC	202599	1	02/03/2015 16:39	NP
Surr: Dibromofluoromethane	108		0	70-130	%REC	202599	1	02/03/2015 16:39	NP
Surr: Toluene-d8	102		0	70-130	%REC	202599	1	02/03/2015 16:39	NP

Qualifiers:

- * Value exceeds maximum contaminant level
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- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-03-20X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 4:45:00 PM
Lab ID:	1501P17-020	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
1,1´-Biphenyl	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
2,4,5-Trichlorophenol	BRL		1.4	25	ug/L	202444	1	02/05/2015 14:51	YH
2,4,6-Trichlorophenol	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:51	YH
2,4-Dichlorophenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 14:51	YH
2,4-Dimethylphenol	BRL		1.8	10	ug/L	202444	1	02/05/2015 14:51	YH
2,4-Dinitrophenol	BRL		0.72	25	ug/L	202444	1	02/05/2015 14:51	YH
2,4-Dinitrotoluene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:51	YH
2,6-Dinitrotoluene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:51	YH
2-Chloronaphthalene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:51	YH
2-Chlorophenol	BRL		2.1	10	ug/L	202444	1	02/05/2015 14:51	YH
2-Methylnaphthalene	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:51	YH
2-Methylphenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:51	YH
2-Nitroaniline	BRL		1.4	25	ug/L	202444	1	02/05/2015 14:51	YH
2-Nitrophenol	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:51	YH
3,3´-Dichlorobenzidine	BRL		2.7	10	ug/L	202444	1	02/05/2015 14:51	YH
3-Nitroaniline	BRL		3.3	25	ug/L	202444	1	02/05/2015 14:51	YH
4,6-Dinitro-2-methylphenol	BRL		1.0	25	ug/L	202444	1	02/05/2015 14:51	YH
4-Bromophenyl phenyl ether	BRL		1.7	10	ug/L	202444	1	02/05/2015 14:51	YH
4-Chloro-3-methylphenol	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
4-Chloroaniline	BRL		4.2	10	ug/L	202444	1	02/05/2015 14:51	YH
4-Chlorophenyl phenyl ether	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
4-Methylphenol	BRL		3.3	10	ug/L	202444	1	02/05/2015 14:51	YH
4-Nitroaniline	BRL		1.3	25	ug/L	202444	1	02/05/2015 14:51	YH
4-Nitrophenol	BRL		1.2	25	ug/L	202444	1	02/05/2015 14:51	YH
Acenaphthene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
Acenaphthylene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Acetophenone	BRL		3.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Anthracene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:51	YH
Atrazine	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:51	YH
Benz(a)anthracene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
Benzaldehyde	BRL		6.2	10	ug/L	202444	1	02/05/2015 14:51	YH
Benzo(a)pyrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
Benzo(b)fluoranthene	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:51	YH
Benzo(g,h,i)perylene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:51	YH
Benzo(k)fluoranthene	BRL		2.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Bis(2-chloroethoxy)methane	BRL		1.7	10	ug/L	202444	1	02/05/2015 14:51	YH
Bis(2-chloroethyl)ether	BRL		2.2	10	ug/L	202444	1	02/05/2015 14:51	YH
Bis(2-chloroisopropyl)ether	BRL		1.9	10	ug/L	202444	1	02/05/2015 14:51	YH
Bis(2-ethylhexyl)phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:51	YH

Qualifiers:

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Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-03-20X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 4:45:00 PM
Lab ID:	1501P17-020	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**					
Butyl benzyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 14:51	YH
Caprolactam	BRL		0.35	10	ug/L	202444	1	02/05/2015 14:51	YH
Carbazole	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Chrysene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
Di-n-butyl phthalate	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Di-n-octyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 14:51	YH
Dibenz(a,h)anthracene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Dibenzofuran	BRL		1.7	10	ug/L	202444	1	02/05/2015 14:51	YH
Diethyl phthalate	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:51	YH
Dimethyl phthalate	BRL		1.3	10	ug/L	202444	1	02/05/2015 14:51	YH
Fluoranthene	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:51	YH
Fluorene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Hexachlorobenzene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
Hexachlorobutadiene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
Hexachlorocyclopentadiene	BRL		1.3	10	ug/L	202444	1	02/05/2015 14:51	YH
Hexachloroethane	BRL		1.6	10	ug/L	202444	1	02/05/2015 14:51	YH
Indeno(1,2,3-cd)pyrene	BRL		2.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Isophorone	BRL		1.7	10	ug/L	202444	1	02/05/2015 14:51	YH
N-Nitrosodi-n-propylamine	BRL		1.8	10	ug/L	202444	1	02/05/2015 14:51	YH
N-Nitrosodiphenylamine	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Naphthalene	BRL		1.8	10	ug/L	202444	1	02/05/2015 14:51	YH
Nitrobenzene	BRL		2.3	10	ug/L	202444	1	02/05/2015 14:51	YH
Pentachlorophenol	BRL		1.1	25	ug/L	202444	1	02/05/2015 14:51	YH
Phenanthrene	BRL		1.5	10	ug/L	202444	1	02/05/2015 14:51	YH
Phenol	BRL		1.2	10	ug/L	202444	1	02/05/2015 14:51	YH
Pyrene	BRL		1.4	10	ug/L	202444	1	02/05/2015 14:51	YH
Surr: 2,4,6-Tribromophenol	113		0	52-133	%REC	202444	1	02/05/2015 14:51	YH
Surr: 2-Fluorobiphenyl	88.6		0	50-121	%REC	202444	1	02/05/2015 14:51	YH
Surr: 2-Fluorophenol	48.2		0	27.5-120	%REC	202444	1	02/05/2015 14:51	YH
Surr: 4-Terphenyl-d14	88.8		0	46.3-137	%REC	202444	1	02/05/2015 14:51	YH
Surr: Nitrobenzene-d5	85.8		0	41.2-121	%REC	202444	1	02/05/2015 14:51	YH
Surr: Phenol-d5	75.2		0	14.3-120	%REC	202444	1	02/05/2015 14:51	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202599	1	02/03/2015 17:04	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
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Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-03-20X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 4:45:00 PM
Lab ID:	1501P17-020	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 17:04	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202599	1	02/03/2015 17:04	NP
2-Butanone	BRL		1.3	10	ug/L	202599	1	02/03/2015 17:04	NP
2-Hexanone	BRL		0.77	10	ug/L	202599	1	02/03/2015 17:04	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202599	1	02/03/2015 17:04	NP
Acetone	BRL		5.7	20	ug/L	202599	1	02/03/2015 17:04	NP
Benzene	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Bromoform	BRL		0.73	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Bromomethane	BRL		0.58	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202599	1	02/03/2015 17:04	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202599	1	02/03/2015 17:04	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Chloroethane	BRL		0.62	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Chloroform	BRL		0.38	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Chloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 17:04	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202599	1	02/03/2015 17:04	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202599	1	02/03/2015 17:04	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Freon-113	BRL		0.75	5.0	ug/L	202599	1	02/03/2015 17:04	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202599	1	02/03/2015 17:04	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202599	1	02/03/2015 17:04	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202599	1	02/03/2015 17:04	NP
Methylene chloride	BRL		0.23	5.0	ug/L	202599	1	02/03/2015 17:04	NP
o-Xylene	BRL		0.29	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Styrene	BRL		0.13	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Toluene	BRL		0.24	1.0	ug/L	202599	1	02/03/2015 17:04	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-03-20X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 4:45:00 PM
Lab ID:	1501P17-020	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202599	1	02/03/2015 17:04	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202599	1	02/03/2015 17:04	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202599	1	02/03/2015 17:04	NP
Surr: 4-Bromofluorobenzene	94.8		0	70-130	%REC	202599	1	02/03/2015 17:04	NP
Surr: Dibromofluoromethane	107		0	70-130	%REC	202599	1	02/03/2015 17:04	NP
Surr: Toluene-d8	102		0	70-130	%REC	202599	1	02/03/2015 17:04	NP
Mercury, Total SW7470A					**(SW7470A)**				
Mercury	BRL		0.00004	0.00020	mg/L	202639	1	02/05/2015 10:23	JG
METALS, TOTAL SW6010C					**(SW3010A)**				
Arsenic	BRL		0.0031	0.0500	mg/L	202562	1	02/05/2015 01:52	JL
Barium	0.0103	J	0.0013	0.0200	mg/L	202562	1	02/05/2015 01:52	JL
Cadmium	BRL		0.0003	0.0050	mg/L	202562	1	02/05/2015 01:52	JL
Chromium	0.0023	J	0.0003	0.0100	mg/L	202562	1	02/05/2015 01:52	JL
Lead	BRL		0.0025	0.0100	mg/L	202562	1	02/05/2015 01:52	JL
Selenium	BRL		0.0025	0.0200	mg/L	202562	1	02/05/2015 22:38	JL
Silver	BRL		0.0006	0.0100	mg/L	202562	1	02/05/2015 01:52	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-03-21X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 4:00:00 PM
Lab ID:	1501P17-021	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Mercury, Total SW7470A					**(SW7470A)**				
Mercury	BRL		0.00004	0.00020	mg/L	202639	1	02/05/2015 10:25	JG
METALS, TOTAL SW6010C					**(SW3010A)**				
Arsenic	BRL		0.0031	0.0500	mg/L	202562	1	02/05/2015 01:56	JL
Barium	0.0241		0.0013	0.0200	mg/L	202562	1	02/05/2015 01:56	JL
Cadmium	BRL		0.0003	0.0050	mg/L	202562	1	02/05/2015 01:56	JL
Chromium	0.0009	J	0.0003	0.0100	mg/L	202562	1	02/05/2015 01:56	JL
Lead	BRL		0.0025	0.0100	mg/L	202562	1	02/05/2015 01:56	JL
Selenium	BRL		0.0025	0.0200	mg/L	202562	1	02/05/2015 22:41	JL
Silver	BRL		0.0006	0.0100	mg/L	202562	1	02/05/2015 01:56	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-04-22X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/29/2015 10:40:00 AM
Lab ID:	1501P17-022	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Mercury, Total SW7470A				**(SW7470A)**					
Mercury	BRL		0.00004	0.00020	mg/L	202639	1	02/05/2015 10:27	JG
METALS, TOTAL SW6010C				**(SW3010A)**					
Arsenic	BRL		0.0031	0.0500	mg/L	202562	1	02/05/2015 01:59	JL
Barium	0.0764		0.0013	0.0200	mg/L	202562	1	02/05/2015 01:59	JL
Cadmium	BRL		0.0003	0.0050	mg/L	202562	1	02/05/2015 01:59	JL
Chromium	0.0010	J	0.0003	0.0100	mg/L	202562	1	02/05/2015 01:59	JL
Lead	BRL		0.0025	0.0100	mg/L	202562	1	02/05/2015 01:59	JL
Selenium	BRL		0.0025	0.0200	mg/L	202562	1	02/05/2015 22:45	JL
Silver	BRL		0.0006	0.0100	mg/L	202562	1	02/05/2015 01:59	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-04-23X000XX/MS/MD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 10:40:00 AM
Lab ID:	1501P17-023	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Mercury, Total SW7470A					**(SW7470A)**				
Mercury	0.00016	J	0.00004	0.00020	mg/L	202639	1	02/05/2015 09:57	JG
METALS, TOTAL SW6010C					**(SW3010A)**				
Arsenic	0.0114	J	0.0031	0.0500	mg/L	202562	1	02/05/2015 00:42	JL
Barium	0.0646		0.0013	0.0200	mg/L	202562	1	02/05/2015 00:42	JL
Cadmium	BRL		0.0003	0.0050	mg/L	202562	1	02/05/2015 00:42	JL
Chromium	0.0011	J	0.0003	0.0100	mg/L	202562	1	02/05/2015 00:42	JL
Lead	BRL		0.0025	0.0100	mg/L	202562	1	02/05/2015 00:42	JL
Selenium	BRL		0.0025	0.0200	mg/L	202562	1	02/05/2015 22:48	JL
Silver	BRL		0.0006	0.0100	mg/L	202562	1	02/05/2015 00:42	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-04-23X000XD
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 10:40:00 AM
Lab ID:	1501P17-024	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Mercury, Total SW7470A				**(SW7470A)**					
Mercury	BRL		0.00004	0.00020	mg/L	202639	1	02/05/2015 10:28	JG
METALS, TOTAL SW6010C				**(SW3010A)**					
Arsenic	0.0040	J	0.0031	0.0500	mg/L	202562	1	02/05/2015 02:21	JL
Barium	0.0648		0.0013	0.0200	mg/L	202562	1	02/05/2015 02:21	JL
Cadmium	BRL		0.0003	0.0050	mg/L	202562	1	02/05/2015 02:21	JL
Chromium	0.0010	J	0.0003	0.0100	mg/L	202562	1	02/05/2015 02:21	JL
Lead	BRL		0.0025	0.0100	mg/L	202562	1	02/05/2015 02:21	JL
Selenium	BRL		0.0025	0.0200	mg/L	202562	1	02/05/2015 22:52	JL
Silver	BRL		0.0006	0.0100	mg/L	202562	1	02/05/2015 02:21	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-04-24X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 10:05:00 AM
Lab ID:	1501P17-025	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202656	1	02/04/2015 13:08	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 13:08	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 13:08	NP
2-Butanone	BRL		1.3	10	ug/L	202656	1	02/04/2015 13:08	NP
2-Hexanone	BRL		0.77	10	ug/L	202656	1	02/04/2015 13:08	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202656	1	02/04/2015 13:08	NP
Acetone	BRL		5.7	20	ug/L	202656	1	02/04/2015 13:08	NP
Benzene	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Bromoform	BRL		0.73	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Bromomethane	BRL		0.58	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202656	1	02/04/2015 13:08	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202656	1	02/04/2015 13:08	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Chloroethane	BRL		0.62	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Chloroform	BRL		0.38	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Chloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 13:08	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202656	1	02/04/2015 13:08	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202656	1	02/04/2015 13:08	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Freon-113	BRL		0.75	5.0	ug/L	202656	1	02/04/2015 13:08	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202656	1	02/04/2015 13:08	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202656	1	02/04/2015 13:08	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202656	1	02/04/2015 13:08	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-04-24X000XX
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 10:05:00 AM
Lab ID:	1501P17-025	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202656	1	02/04/2015 13:08	NP
o-Xylene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Styrene	BRL		0.13	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Toluene	BRL		0.24	1.0	ug/L	202656	1	02/04/2015 13:08	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202656	1	02/04/2015 13:08	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202656	1	02/04/2015 13:08	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202656	1	02/04/2015 13:08	NP
Surr: 4-Bromofluorobenzene	94.5		0	70-130	%REC	202656	1	02/04/2015 13:08	NP
Surr: Dibromofluoromethane	105		0	70-130	%REC	202656	1	02/04/2015 13:08	NP
Surr: Toluene-d8	100		0	70-130	%REC	202656	1	02/04/2015 13:08	NP
Mercury, Total SW7470A					**(SW7470A)**				
Mercury	BRL		0.00004	0.00020	mg/L	202639	1	02/05/2015 10:30	JG
METALS, TOTAL SW6010C					**(SW3010A)**				
Arsenic	BRL		0.0031	0.0500	mg/L	202562	1	02/05/2015 02:25	JL
Barium	0.242		0.0013	0.0200	mg/L	202562	1	02/05/2015 02:25	JL
Cadmium	BRL		0.0003	0.0050	mg/L	202562	1	02/05/2015 02:25	JL
Chromium	0.0009	J	0.0003	0.0100	mg/L	202562	1	02/05/2015 02:25	JL
Lead	BRL		0.0025	0.0100	mg/L	202562	1	02/05/2015 02:25	JL
Selenium	BRL		0.0025	0.0200	mg/L	202562	1	02/05/2015 22:55	JL
Silver	BRL		0.0006	0.0100	mg/L	202562	1	02/05/2015 02:25	JL

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-001
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 12:30:00 PM
Lab ID:	1501P17-026	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202656	1	02/04/2015 14:48	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 14:48	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 14:48	NP
2-Butanone	BRL		1.3	10	ug/L	202656	1	02/04/2015 14:48	NP
2-Hexanone	BRL		0.77	10	ug/L	202656	1	02/04/2015 14:48	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202656	1	02/04/2015 14:48	NP
Acetone	30		5.7	20	ug/L	202656	1	02/04/2015 14:48	NP
Benzene	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Bromoform	BRL		0.73	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Bromomethane	BRL		0.58	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202656	1	02/04/2015 14:48	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202656	1	02/04/2015 14:48	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Chloroethane	BRL		0.62	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Chloroform	BRL		0.38	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Chloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 14:48	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202656	1	02/04/2015 14:48	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202656	1	02/04/2015 14:48	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Freon-113	BRL		0.75	5.0	ug/L	202656	1	02/04/2015 14:48	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202656	1	02/04/2015 14:48	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202656	1	02/04/2015 14:48	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202656	1	02/04/2015 14:48	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-001
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/27/2015 12:30:00 PM
Lab ID:	1501P17-026	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202656	1	02/04/2015 14:48	NP
o-Xylene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Styrene	BRL		0.13	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Toluene	BRL		0.24	1.0	ug/L	202656	1	02/04/2015 14:48	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202656	1	02/04/2015 14:48	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202656	1	02/04/2015 14:48	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202656	1	02/04/2015 14:48	NP
Surr: 4-Bromofluorobenzene	94.6		0	70-130	%REC	202656	1	02/04/2015 14:48	NP
Surr: Dibromofluoromethane	102		0	70-130	%REC	202656	1	02/04/2015 14:48	NP
Surr: Toluene-d8	102		0	70-130	%REC	202656	1	02/04/2015 14:48	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-002
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 2:00:00 PM
Lab ID:	1501P17-027	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202656	1	02/04/2015 15:13	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 15:13	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 15:13	NP
2-Butanone	BRL		1.3	10	ug/L	202656	1	02/04/2015 15:13	NP
2-Hexanone	BRL		0.77	10	ug/L	202656	1	02/04/2015 15:13	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202656	1	02/04/2015 15:13	NP
Acetone	39		5.7	20	ug/L	202656	1	02/04/2015 15:13	NP
Benzene	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Bromoform	BRL		0.73	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Bromomethane	BRL		0.58	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202656	1	02/04/2015 15:13	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202656	1	02/04/2015 15:13	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Chloroethane	BRL		0.62	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Chloroform	BRL		0.38	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Chloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 15:13	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202656	1	02/04/2015 15:13	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202656	1	02/04/2015 15:13	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Freon-113	BRL		0.75	5.0	ug/L	202656	1	02/04/2015 15:13	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202656	1	02/04/2015 15:13	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202656	1	02/04/2015 15:13	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202656	1	02/04/2015 15:13	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-002
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 2:00:00 PM
Lab ID:	1501P17-027	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202656	1	02/04/2015 15:13	NP
o-Xylene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Styrene	BRL		0.13	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Toluene	BRL		0.24	1.0	ug/L	202656	1	02/04/2015 15:13	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202656	1	02/04/2015 15:13	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202656	1	02/04/2015 15:13	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202656	1	02/04/2015 15:13	NP
Surr: 4-Bromofluorobenzene	95.7		0	70-130	%REC	202656	1	02/04/2015 15:13	NP
Surr: Dibromofluoromethane	104		0	70-130	%REC	202656	1	02/04/2015 15:13	NP
Surr: Toluene-d8	99.6		0	70-130	%REC	202656	1	02/04/2015 15:13	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-003
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 9:45:00 AM
Lab ID:	1501P17-028	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202656	1	02/04/2015 15:37	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 15:37	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 15:37	NP
2-Butanone	BRL		1.3	10	ug/L	202656	1	02/04/2015 15:37	NP
2-Hexanone	BRL		0.77	10	ug/L	202656	1	02/04/2015 15:37	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202656	1	02/04/2015 15:37	NP
Acetone	33		5.7	20	ug/L	202656	1	02/04/2015 15:37	NP
Benzene	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Bromoform	BRL		0.73	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Bromomethane	BRL		0.58	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202656	1	02/04/2015 15:37	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202656	1	02/04/2015 15:37	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Chloroethane	BRL		0.62	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Chloroform	BRL		0.38	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Chloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 15:37	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202656	1	02/04/2015 15:37	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202656	1	02/04/2015 15:37	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Freon-113	BRL		0.75	5.0	ug/L	202656	1	02/04/2015 15:37	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202656	1	02/04/2015 15:37	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202656	1	02/04/2015 15:37	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202656	1	02/04/2015 15:37	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-00-003
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/28/2015 9:45:00 AM
Lab ID:	1501P17-028	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	202656	1	02/04/2015 15:37	NP
o-Xylene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Styrene	BRL		0.13	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Toluene	BRL		0.24	1.0	ug/L	202656	1	02/04/2015 15:37	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202656	1	02/04/2015 15:37	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202656	1	02/04/2015 15:37	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202656	1	02/04/2015 15:37	NP
Surr: 4-Bromofluorobenzene	95.8		0	70-130	%REC	202656	1	02/04/2015 15:37	NP
Surr: Dibromofluoromethane	103		0	70-130	%REC	202656	1	02/04/2015 15:37	NP
Surr: Toluene-d8	101		0	70-130	%REC	202656	1	02/04/2015 15:37	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-001
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/29/2015 10:00:00 AM
Lab ID:	1501P17-029	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	202656	1	02/04/2015 11:28	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 11:28	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	202656	1	02/04/2015 11:28	NP
2-Butanone	BRL		1.3	10	ug/L	202656	1	02/04/2015 11:28	NP
2-Hexanone	BRL		0.77	10	ug/L	202656	1	02/04/2015 11:28	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	202656	1	02/04/2015 11:28	NP
Acetone	BRL		5.7	20	ug/L	202656	1	02/04/2015 11:28	NP
Benzene	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Bromoform	BRL		0.73	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Bromomethane	BRL		0.58	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	202656	1	02/04/2015 11:28	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	202656	1	02/04/2015 11:28	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Chloroethane	BRL		0.62	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Chloroform	BRL		0.38	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Chloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 11:28	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	202656	1	02/04/2015 11:28	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Cyclohexane	BRL		1.9	2.0	ug/L	202656	1	02/04/2015 11:28	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Freon-113	BRL		0.75	5.0	ug/L	202656	1	02/04/2015 11:28	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	202656	1	02/04/2015 11:28	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Methyl acetate	BRL		0.30	2.0	ug/L	202656	1	02/04/2015 11:28	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	202656	1	02/04/2015 11:28	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 9-Feb-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-00-001
Project Name:	RBTC - Ft. Inn, SC	**Collection Date:**	1/29/2015 10:00:00 AM
Lab ID:	1501P17-029	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	2.6	J	0.23	5.0	ug/L	202656	1	02/04/2015 11:28	NP
o-Xylene	BRL		0.29	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Styrene	BRL		0.13	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Toluene	BRL		0.24	1.0	ug/L	202656	1	02/04/2015 11:28	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	202656	1	02/04/2015 11:28	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	202656	1	02/04/2015 11:28	NP
Trichloroethene	BRL		0.39	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	202656	1	02/04/2015 11:28	NP
Surr: 4-Bromofluorobenzene	98.6		0	70-130	%REC	202656	1	02/04/2015 11:28	NP
Surr: Dibromofluoromethane	107		0	70-130	%REC	202656	1	02/04/2015 11:28	NP
Surr: Toluene-d8	101		0	70-130	%REC	202656	1	02/04/2015 11:28	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC / Greenville Work Order Number 1501P17

Checklist completed by Joana Pacurar 1/31/15
Signature Date

Carrier name: FedEx __ UPS __ Courier ✓ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.1 Cooler #2 3.3 Cooler #3 3.2 Cooler #4 3.0 Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ~~✓~~ IP 1/31 No ✓

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes __ No ✓ Not Applicable __

Adjusted? IP Checked by IP

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\l\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Lab Order: 1501P17

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1501P17-001A	MW-08-01X000XX	1/27/2015 2:30:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/02/2015
1501P17-001B	MW-08-01X000XX	1/27/2015 2:30:00PM	Groundwater	TCL-SEMIVOLATILE ORGANICS		2/2/2015 3:35:00 PM	02/05/2015
1501P17-001B	MW-08-01X000XX	1/27/2015 2:30:00PM	Groundwater	DIESEL RANGE ORGANICS		2/3/2015 11:30:00 AM	02/05/2015
1501P17-002A	MW-08-02D000XX	1/27/2015 2:50:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/02/2015
1501P17-002B	MW-08-02D000XX	1/27/2015 2:50:00PM	Groundwater	TCL-SEMIVOLATILE ORGANICS		2/2/2015 3:35:00 PM	02/05/2015
1501P17-002B	MW-08-02D000XX	1/27/2015 2:50:00PM	Groundwater	DIESEL RANGE ORGANICS		2/3/2015 11:30:00 AM	02/05/2015
1501P17-003A	MW-08-03X000XX	1/27/2015 11:55:00AM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-003B	MW-08-03X000XX	1/27/2015 11:55:00AM	Groundwater	TCL-SEMIVOLATILE ORGANICS		2/2/2015 3:35:00 PM	02/05/2015
1501P17-003B	MW-08-03X000XX	1/27/2015 11:55:00AM	Groundwater	DIESEL RANGE ORGANICS		2/3/2015 11:30:00 AM	02/05/2015
1501P17-004A	MW-08-03X000XD	1/27/2015 11:55:00AM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-004B	MW-08-03X000XD	1/27/2015 11:55:00AM	Groundwater	TCL-SEMIVOLATILE ORGANICS		2/2/2015 3:35:00 PM	02/05/2015
1501P17-004B	MW-08-03X000XD	1/27/2015 11:55:00AM	Groundwater	DIESEL RANGE ORGANICS		2/3/2015 11:30:00 AM	02/05/2015
1501P17-005A	MW-08-04X000XX/MS/MD	1/27/2015 11:45:00AM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-005B	MW-08-04X000XX/MS/MD	1/27/2015 11:45:00AM	Groundwater	TCL-SEMIVOLATILE ORGANICS		2/2/2015 3:35:00 PM	02/05/2015
1501P17-005B	MW-08-04X000XX/MS/MD	1/27/2015 11:45:00AM	Groundwater	DIESEL RANGE ORGANICS		2/3/2015 11:30:00 AM	02/04/2015
1501P17-005B	MW-08-04X000XX/MS/MD	1/27/2015 11:45:00AM	Groundwater	DIESEL RANGE ORGANICS		2/3/2015 11:30:00 AM	02/04/2015
1501P17-006A	MW-08-05X000XX	1/29/2015 9:30:00AM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-006B	MW-08-05X000XX	1/29/2015 9:30:00AM	Groundwater	TCL-SEMIVOLATILE ORGANICS		2/2/2015 3:35:00 PM	02/05/2015
1501P17-006B	MW-08-05X000XX	1/29/2015 9:30:00AM	Groundwater	DIESEL RANGE ORGANICS		2/3/2015 11:30:00 AM	02/05/2015
1501P17-007A	MW-09-06X000XX	1/28/2015 10:00:00AM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-008A	MW-09-09X000XX	1/28/2015 11:00:00AM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-009A	MW-09-10X000XX	1/28/2015 1:15:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-010A	MW-09-11X000XX	1/28/2015 2:25:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-011A	MW-09-11X000XD	1/28/2015 2:25:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-012A	MW-09-12D000XX	1/28/2015 3:05:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-013A	MW-09-13X000XX	1/28/2015 4:15:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-014A	MW-09-14X000XX	1/28/2015 3:55:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-015A	MW-09-15X000XX	1/28/2015 2:30:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-016A	MW-09-16D000XX	1/28/2015 3:15:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Lab Order: 1501P17

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1501P17-017A	MW-09-17X000XX	1/28/2015 1:45:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-018A	MW-09-18D000XX	1/28/2015 1:15:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-019A	MW-09-19D000XX	1/28/2015 11:30:00AM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-020A	MW-03-20X000XX	1/27/2015 4:45:00PM	Groundwater	TCL VOLATILE ORGANICS		2/2/2015 9:53:00 PM	02/03/2015
1501P17-020B	MW-03-20X000XX	1/27/2015 4:45:00PM	Groundwater	TCL-SEMIVOLATILE ORGANICS		2/2/2015 3:35:00 PM	02/05/2015
1501P17-020C	MW-03-20X000XX	1/27/2015 4:45:00PM	Groundwater	TOTAL METALS BY ICP		2/4/2015 10:01:00 AM	02/05/2015
1501P17-020C	MW-03-20X000XX	1/27/2015 4:45:00PM	Groundwater	TOTAL MERCURY		2/4/2015 10:00:00 AM	02/05/2015
1501P17-021A	MW-03-21X000XX	1/27/2015 4:00:00PM	Groundwater	TOTAL METALS BY ICP		2/4/2015 10:01:00 AM	02/05/2015
1501P17-021A	MW-03-21X000XX	1/27/2015 4:00:00PM	Groundwater	TOTAL MERCURY		2/4/2015 10:00:00 AM	02/05/2015
1501P17-022A	MW-04-22X000XX	1/29/2015 10:40:00AM	Groundwater	TOTAL METALS BY ICP		2/4/2015 10:01:00 AM	02/05/2015
1501P17-022A	MW-04-22X000XX	1/29/2015 10:40:00AM	Groundwater	TOTAL MERCURY		2/4/2015 10:00:00 AM	02/05/2015
1501P17-023A	MW-04-23X000XX/MS/MD	1/28/2015 10:40:00AM	Groundwater	TOTAL METALS BY ICP		2/4/2015 10:01:00 AM	02/05/2015
1501P17-023A	MW-04-23X000XX/MS/MD	1/28/2015 10:40:00AM	Groundwater	TOTAL MERCURY		2/4/2015 10:00:00 AM	02/05/2015
1501P17-024A	MW-04-23X000XD	1/28/2015 10:40:00AM	Groundwater	TOTAL METALS BY ICP		2/4/2015 10:01:00 AM	02/05/2015
1501P17-024A	MW-04-23X000XD	1/28/2015 10:40:00AM	Groundwater	TOTAL MERCURY		2/4/2015 10:00:00 AM	02/05/2015
1501P17-025A	MW-04-24X000XX	1/28/2015 10:05:00AM	Groundwater	TCL VOLATILE ORGANICS		2/4/2015 9:48:00 AM	02/04/2015
1501P17-025B	MW-04-24X000XX	1/28/2015 10:05:00AM	Groundwater	TOTAL METALS BY ICP		2/4/2015 10:01:00 AM	02/05/2015
1501P17-025B	MW-04-24X000XX	1/28/2015 10:05:00AM	Groundwater	TOTAL MERCURY		2/4/2015 10:00:00 AM	02/05/2015
1501P17-026A	FB-00-001	1/27/2015 12:30:00PM	Aqueous	TCL VOLATILE ORGANICS		2/4/2015 9:48:00 AM	02/04/2015
1501P17-027A	FB-00-002	1/28/2015 2:00:00PM	Aqueous	TCL VOLATILE ORGANICS		2/4/2015 9:48:00 AM	02/04/2015
1501P17-028A	FB-00-003	1/28/2015 9:45:00AM	Aqueous	TCL VOLATILE ORGANICS		2/4/2015 9:48:00 AM	02/04/2015
1501P17-029A	TB-00-001	1/29/2015 10:00:00AM	Aqueous	TCL VOLATILE ORGANICS		2/4/2015 9:48:00 AM	02/04/2015

AES, Inc.
3080 Presidential Drive
Atlanta GA 30340

1501P17

pH Adjustment Sheet

AES Sample ID number	Test Requested	pH as Received	Required pH	Preservative Required	Lot # of Preservative	Amount Added mL or Pellets*	Final pH	Tech's Initials	Date	Time
1501P17-022A	6010/7470	6	1	HNO_3	Met-600-23	2.0 mL Pellets	1	IP	1/31	12:49pm
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
						mL Pellets				
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						mL Pellets				
						mL Pellets				
						mL Pellets				

* Number of Pellets when adding NAOH

DWM 8/22/2014 10:01 AM

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202444

Sample ID: **MB-202444**	Client ID:		Units: **ug/L**	Prep Date: **02/02/2015**	Run No: **285110**
SampleType: **MBLK**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **202444**	Analysis Date: **02/04/2015**	Seq No: **6047232**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	10									
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3´-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202444

Sample ID: **MB-202444** Client ID: Units: **ug/L** Prep Date: **02/02/2015** Run No: **285110**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/04/2015** Seq No: **6047232**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202444

Sample ID: **MB-202444** Client ID: Units: **ug/L** Prep Date: **02/02/2015** Run No: **285110**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/04/2015** Seq No: **6047232**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	97.74	0	100.0		97.7	52	133				
Surr: 2-Fluorobiphenyl	43.64	0	50.00		87.3	50	121				
Surr: 2-Fluorophenol	59.36	0	100.0		59.4	27.5	120				
Surr: 4-Terphenyl-d14	45.11	0	50.00		90.2	46.3	137				
Surr: Nitrobenzene-d5	43.20	0	50.00		86.4	41.2	121				
Surr: Phenol-d5	76.72	0	100.0		76.7	14.3	120				

Sample ID: **LCS-202444** Client ID: Units: **ug/L** Prep Date: **02/02/2015** Run No: **285110**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/04/2015** Seq No: **6047236**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	96.96	25	100.0		97.0	70	130				
2,4,6-Trichlorophenol	102.6	10	100.0		103	70	130				
2,4-Dichlorophenol	91.91	10	100.0		91.9	70	130				
2,4-Dimethylphenol	83.23	10	100.0		83.2	70	130				
2,4-Dinitrotoluene	94.71	10	100.0		94.7	70	130				
2,6-Dinitrotoluene	111.5	10	100.0		112	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202444

Sample ID: **LCS-202444** Client ID: Units: **ug/L** Prep Date: **02/02/2015** Run No: **285110**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/04/2015** Seq No: **6047236**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	72.68	10	100.0		72.7	50	130				
2-Methylphenol	84.64	10	100.0		84.6	70	130				
3,3´-Dichlorobenzidine	63.97	10	100.0		64.0	10	130				
4-Bromophenyl phenyl ether	107.7	10	100.0		108	70	130				
4-Chloro-3-methylphenol	96.64	10	100.0		96.6	70	130				
4-Methylphenol	89.15	10	100.0		89.2	70	130				
Acenaphthene	139.5	10	150.0		93.0	70	130				
Acenaphthylene	105.5	10	100.0		106	70	130				
Anthracene	90.67	10	100.0		90.7	70	130				
Benz(a)anthracene	99.06	10	100.0		99.1	70	130				
Benzo(a)pyrene	49.12	10	50.00		98.2	70	130				
Benzo(b)fluoranthene	102.0	10	100.0		102	70	130				
Bis(2-chloroethoxy)methane	81.25	10	100.0		81.2	70	130				
Bis(2-chloroethyl)ether	80.75	10	100.0		80.8	70	130				
Bis(2-chloroisopropyl)ether	80.23	10	100.0		80.2	50	130				
Bis(2-ethylhexyl)phthalate	105.2	10	100.0		105	70	130				
Chrysene	90.52	10	100.0		90.5	70	130				
Di-n-butyl phthalate	111.2	10	100.0		111	70	130				
Di-n-octyl phthalate	47.55	10	50.00		95.1	70	130				
Dibenz(a,h)anthracene	95.83	10	100.0		95.8	70	130				
Diethyl phthalate	90.39	10	100.0		90.4	70	130				
Dimethyl phthalate	109.5	10	100.0		109	70	130				
Fluoranthene	47.64	10	50.00		95.3	70	130				
Fluorene	91.71	10	100.0		91.7	70	130				
Hexachlorobenzene	95.58	10	100.0		95.6	70	130				
Hexachlorobutadiene	103.1	10	150.0		68.7	70	130				S
N-Nitrosodiphenylamine	112.0	10	150.0		74.7	40	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202444

Sample ID: **LCS-202444** Client ID: Units: **ug/L** Prep Date: **02/02/2015** Run No: **285110**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/04/2015** Seq No: **6047236**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	75.10	10	100.0		75.1	70	130				
Nitrobenzene	88.28	10	100.0		88.3	70	130				
Pyrene	83.51	10	100.0		83.5	70	130				
Surr: 2,4,6-Tribromophenol	107.2	0	100.0		107	52	133				
Surr: 2-Fluorobiphenyl	50.95	0	50.00		102	50	121				
Surr: 2-Fluorophenol	58.05	0	100.0		58.0	27.5	120				
Surr: 4-Terphenyl-d14	46.77	0	50.00		93.5	46.3	137				
Surr: Nitrobenzene-d5	47.82	0	50.00		95.6	41.2	121				
Surr: Phenol-d5	79.86	0	100.0		79.9	14.3	120				

Sample ID: **1501P17-005BMS** Client ID: **MW-08-04X000XX/MS/MD** Units: **ug/L** Prep Date: **02/02/2015** Run No: **285229**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/05/2015** Seq No: **6052017**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	68.97	25	100.0		69.0	51.6	123				
2,4,6-Trichlorophenol	70.51	10	100.0		70.5	49.1	125				
2,4-Dichlorophenol	60.68	10	100.0		60.7	50.9	120				
2,4-Dimethylphenol	68.69	10	100.0		68.7	41.2	120				
2,4-Dinitrotoluene	98.12	10	100.0		98.1	50.5	120				
2,6-Dinitrotoluene	104.7	10	100.0		105	51.5	127				
2-Chlorophenol	51.14	10	100.0		51.1	51.4	120				S
2-Methylphenol	60.66	10	100.0		60.7	47.1	120				
3,3´-Dichlorobenzidine	29.46	10	100.0		29.5	21.6	120				
4-Bromophenyl phenyl ether	92.60	10	100.0		92.6	50.1	128				
4-Chloro-3-methylphenol	72.50	10	100.0		72.5	50	121				
4-Methylphenol	70.33	10	100.0		70.3	46.7	120				
Acenaphthene	121.7	10	150.0		81.1	53.9	120				
Acenaphthylene	91.25	10	100.0		91.2	48.4	121				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202444

Sample ID: **1501P17-005BMS** Client ID: **MW-08-04X000XX/MS/MD** Units: **ug/L** Prep Date: **02/02/2015** Run No: **285229**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/05/2015** Seq No: **6052017**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	85.83	10	100.0		85.8	56.7	120				
Benz(a)anthracene	97.51	10	100.0		97.5	51.1	128				
Benzo(a)pyrene	49.82	10	50.00		99.6	51	124				
Benzo(b)fluoranthene	93.31	10	100.0		93.3	50.3	125				
Bis(2-chloroethoxy)methane	78.75	10	100.0		78.8	55.9	120				
Bis(2-chloroethyl)ether	83.14	10	100.0		83.1	40.7	125				
Bis(2-chloroisopropyl)ether	63.38	10	100.0		63.4	41	120				
Bis(2-ethylhexyl)phthalate	100.1	10	100.0		100	51.8	130				
Chrysene	88.54	10	100.0		88.5	50.3	120				
Di-n-butyl phthalate	97.93	10	100.0		97.9	50.9	126				
Di-n-octyl phthalate	54.68	10	50.00		109	52.4	130				
Dibenz(a,h)anthracene	92.00	10	100.0		92.0	51.2	125				
Diethyl phthalate	86.75	10	100.0		86.8	50.9	124				
Dimethyl phthalate	95.25	10	100.0		95.2	55.8	130				
Fluoranthene	49.00	10	50.00		98.0	52.3	126				
Fluorene	86.16	10	100.0		86.2	48.6	120				
Hexachlorobenzene	85.41	10	100.0		85.4	47.7	119				
Hexachlorobutadiene	97.45	10	150.0		65.0	43.5	120				
N-Nitrosodiphenylamine	99.64	10	150.0		66.4	50.6	120				
Naphthalene	73.50	10	100.0		73.5	50	120				
Nitrobenzene	85.49	10	100.0		85.5	51	120				
Pyrene	86.53	10	100.0		86.5	53	112				
Surr: 2,4,6-Tribromophenol	92.67	0	100.0		92.7	52	133				
Surr: 2-Fluorobiphenyl	44.22	0	50.00		88.4	50	121				
Surr: 2-Fluorophenol	34.76	0	100.0		34.8	27.5	120				
Surr: 4-Terphenyl-d14	45.90	0	50.00		91.8	46.3	137				
Surr: Nitrobenzene-d5	43.48	0	50.00		87.0	41.2	121				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202444

Sample ID: **1501P17-005BMS** Client ID: **MW-08-04X000XX/MS/MD** Units: **ug/L** Prep Date: **02/02/2015** Run No: **285229**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/05/2015** Seq No: **6052017**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	57.13	0	100.0		57.1	14.3	120				

Sample ID: **1501P17-005BMSD** Client ID: **MW-08-04X000XX/MS/MD** Units: **ug/L** Prep Date: **02/02/2015** Run No: **285229**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/05/2015** Seq No: **6052018**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	92.75	25	100.0		92.8	51.6	123	68.97	29.4	30.4	
2,4,6-Trichlorophenol	96.59	10	100.0		96.6	49.1	125	70.51	31.2	35.7	
2,4-Dichlorophenol	86.06	10	100.0		86.1	50.9	120	60.68	34.6	31.8	R
2,4-Dimethylphenol	76.79	10	100.0		76.8	41.2	120	68.69	11.1	20	
2,4-Dinitrotoluene	100.7	10	100.0		101	50.5	120	98.12	2.63	24.4	
2,6-Dinitrotoluene	108.5	10	100.0		109	51.5	127	104.7	3.55	22.4	
2-Chlorophenol	73.79	10	100.0		73.8	51.4	120	51.14	36.3	27.3	R
2-Methylphenol	78.80	10	100.0		78.8	47.1	120	60.66	26.0	20	R
3,3´-Dichlorobenzidine	41.34	10	100.0		41.3	21.6	120	29.46	33.6	25.3	R
4-Bromophenyl phenyl ether	94.87	10	100.0		94.9	50.1	128	92.60	2.42	19.8	
4-Chloro-3-methylphenol	93.17	10	100.0		93.2	50	121	72.50	25.0	26.5	
4-Methylphenol	92.40	10	100.0		92.4	46.7	120	70.33	27.1	26.6	R
Acenaphthene	125.1	10	150.0		83.4	53.9	120	121.7	2.74	22.5	
Acenaphthylene	93.58	10	100.0		93.6	48.4	121	91.25	2.52	29.6	
Anthracene	88.13	10	100.0		88.1	56.7	120	85.83	2.64	20	
Benz(a)anthracene	99.90	10	100.0		99.9	51.1	128	97.51	2.42	34.2	
Benzo(a)pyrene	50.10	10	50.00		100	51	124	49.82	0.560	20	
Benzo(b)fluoranthene	94.24	10	100.0		94.2	50.3	125	93.31	0.992	20	
Bis(2-chloroethoxy)methane	82.05	10	100.0		82.0	55.9	120	78.75	4.10	20	
Bis(2-chloroethyl)ether	85.62	10	100.0		85.6	40.7	125	83.14	2.94	27.2	
Bis(2-chloroisopropyl)ether	64.98	10	100.0		65.0	41	120	63.38	2.49	33.7	
Bis(2-ethylhexyl)phthalate	102.0	10	100.0		102	51.8	130	100.1	1.93	35.8	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202444

Sample ID: **1501P17-005BMSD** Client ID: **MW-08-04X000XX/MS/MD** Units: **ug/L** Prep Date: **02/02/2015** Run No: **285229**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **202444** Analysis Date: **02/05/2015** Seq No: **6052018**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chrysene	90.59	10	100.0		90.6	50.3	120	88.54	2.29	24.5	
Di-n-butyl phthalate	99.59	10	100.0		99.6	50.9	126	97.93	1.68	37.8	
Di-n-octyl phthalate	55.86	10	50.00		112	52.4	130	54.68	2.13	20.2	
Dibenz(a,h)anthracene	92.81	10	100.0		92.8	51.2	125	92.00	0.877	33.3	
Diethyl phthalate	88.08	10	100.0		88.1	50.9	124	86.75	1.52	20.2	
Dimethyl phthalate	97.86	10	100.0		97.9	55.8	130	95.25	2.70	27.6	
Fluoranthene	49.54	10	50.00		99.1	52.3	126	49.00	1.10	20	
Fluorene	87.64	10	100.0		87.6	48.6	120	86.16	1.70	25.1	
Hexachlorobenzene	87.50	10	100.0		87.5	47.7	119	85.41	2.42	22.7	
Hexachlorobutadiene	99.99	10	150.0		66.7	43.5	120	97.45	2.57	33.3	
N-Nitrosodiphenylamine	102.3	10	150.0		68.2	50.6	120	99.64	2.67	28	
Naphthalene	76.57	10	100.0		76.6	50	120	73.50	4.09	24	
Nitrobenzene	88.59	10	100.0		88.6	51	120	85.49	3.56	20.9	
Pyrene	88.51	10	100.0		88.5	53	112	86.53	2.26	22.3	
Surr: 2,4,6-Tribromophenol	112.3	0	100.0		112	52	133	92.67	0	0	
Surr: 2-Fluorobiphenyl	44.84	0	50.00		89.7	50	121	44.22	0	0	
Surr: 2-Fluorophenol	57.14	0	100.0		57.1	27.5	120	34.76	0	0	
Surr: 4-Terphenyl-d14	45.97	0	50.00		91.9	46.3	137	45.90	0	0	
Surr: Nitrobenzene-d5	44.52	0	50.00		89.0	41.2	121	43.48	0	0	
Surr: Phenol-d5	81.24	0	100.0		81.2	14.3	120	57.13	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202545

Sample ID: **MB-202545**	Client ID:			Units: **mg/L**	Prep Date: **02/03/2015**	Run No: **285225**
SampleType: **MBLK**	TestCode: **DIESEL RANGE ORGANICS SW8015C**			BatchID: **202545**	Analysis Date: **02/04/2015**	Seq No: **6050297**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Diesel Range Organics	BRL	0.20									
Surr: Dioctylphthalate	0.08976	0	0.1000		89.8	70	130				

Sample ID: **LCS-202545**	Client ID:			Units: **mg/L**	Prep Date: **02/03/2015**	Run No: **285225**
SampleType: **LCS**	TestCode: **DIESEL RANGE ORGANICS SW8015C**			BatchID: **202545**	Analysis Date: **02/05/2015**	Seq No: **6050308**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Diesel Range Organics	0.7297	0.20	1.000		73.0	70	130				
Surr: Dioctylphthalate	0.09134	0	0.1000		91.3	70	130				

Sample ID: **1501P17-005BMS**	Client ID: **MW-08-04X000XX/MS/MD**			Units: **mg/L**	Prep Date: **02/03/2015**	Run No: **285225**
SampleType: **MS**	TestCode: **DIESEL RANGE ORGANICS SW8015C**			BatchID: **202545**	Analysis Date: **02/04/2015**	Seq No: **6050299**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Diesel Range Organics	1.039	0.20	1.000	0.3038	73.6	41.6	123				
Surr: Dioctylphthalate	0.09505	0	0.1000		95.0	45.9	126				

Sample ID: **1501P17-005BMSD**	Client ID: **MW-08-04X000XX/MS/MD**			Units: **mg/L**	Prep Date: **02/03/2015**	Run No: **285225**
SampleType: **MSD**	TestCode: **DIESEL RANGE ORGANICS SW8015C**			BatchID: **202545**	Analysis Date: **02/04/2015**	Seq No: **6050300**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Diesel Range Organics	1.031	0.20	1.000	0.3038	72.8	41.6	123	1.039	0.761	28.6	
Surr: Dioctylphthalate	0.09511	0	0.1000		95.1	45.9	126	0.09505	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202562

Sample ID: **MB-202562** Client ID: Units: **mg/L** Prep Date: **02/04/2015** Run No: **285192**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **202562** Analysis Date: **02/05/2015** Seq No: **6049516**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	0.000308	0.0100									J
Lead	BRL	0.0100									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									

Sample ID: **LCS-202562** Client ID: Units: **mg/L** Prep Date: **02/04/2015** Run No: **285192**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **202562** Analysis Date: **02/05/2015** Seq No: **6049517**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9219	0.0500	1.000		92.2	80	120				
Barium	0.9544	0.0200	1.000		95.4	80	120				
Cadmium	0.9556	0.0050	1.000		95.6	80	120				
Chromium	0.9522	0.0100	1.000	0.0003083	95.2	80	120				
Lead	0.9683	0.0100	1.000		96.8	80	120				
Selenium	0.8443	0.0200	1.000		84.4	80	120				
Silver	0.09561	0.0100	0.1000		95.6	80	120				

Sample ID: **1501P17-023AMS** Client ID: **MW-04-23X000XX/MS/MD** Units: **mg/L** Prep Date: **02/04/2015** Run No: **285192**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **202562** Analysis Date: **02/05/2015** Seq No: **6049521**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9472	0.0500	1.000	0.01142	93.6	75	125				
Barium	1.033	0.0200	1.000	0.06458	96.8	75	125				
Cadmium	0.9751	0.0050	1.000		97.5	75	125				
Chromium	0.9709	0.0100	1.000	0.001077	97.0	75	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202562

Sample ID: **1501P17-023AMS** Client ID: **MW-04-23X000XX/MS/MD** Units: **mg/L** Prep Date: **02/04/2015** Run No: **285192**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **202562** Analysis Date: **02/05/2015** Seq No: **6049521**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	0.9766	0.0100	1.000		97.7	75	125				
Selenium	0.9344	0.0200	1.000	0.06802	86.6	75	125				
Silver	0.09765	0.0100	0.1000		97.6	75	125				

Sample ID: **1501P17-023AMSD** Client ID: **MW-04-23X000XX/MS/MD** Units: **mg/L** Prep Date: **02/04/2015** Run No: **285192**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **202562** Analysis Date: **02/05/2015** Seq No: **6049522**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9544	0.0500	1.000	0.01142	94.3	75	125	0.9472	0.763	20	
Barium	1.023	0.0200	1.000	0.06458	95.8	75	125	1.033	0.972	20	
Cadmium	0.9654	0.0050	1.000		96.5	75	125	0.9751	1.000	20	
Chromium	0.9630	0.0100	1.000	0.001077	96.2	75	125	0.9709	0.813	20	
Lead	0.9684	0.0100	1.000		96.8	75	125	0.9766	0.846	20	
Selenium	1.001	0.0200	1.000	0.06802	93.3	75	125	0.9344	6.84	20	
Silver	0.09675	0.0100	0.1000		96.7	75	125	0.09765	0.924	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202599

Sample ID: **MB-202599** Client ID: Units: **ug/L** Prep Date: **02/02/2015** Run No: **284994**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202599** Analysis Date: **02/02/2015** Seq No: **6044224**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202599

Sample ID: **MB-202599** Client ID: Units: **ug/L** Prep Date: **02/02/2015** Run No: **284994**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202599** Analysis Date: **02/02/2015** Seq No: **6044224**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	2.960	5.0									J
o-Xylene	BRL	1.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Surr: 4-Bromofluorobenzene	47.54	0	50.00		95.1	70	130				
Surr: Dibromofluoromethane	50.77	0	50.00		102	70	130				
Surr: Toluene-d8	48.91	0	50.00		97.8	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202599

Sample ID: **LCS-202599** Client ID: Units: **ug/L** Prep Date: **02/02/2015** Run No: **284994**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202599** Analysis Date: **02/02/2015** Seq No: **6044223**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.66	1.0	50.00		109	70	130				
1,1,2,2-Tetrachloroethane	52.10	1.0	50.00		104	70	130				
1,1,2-Trichloroethane	52.24	1.0	50.00		104	70	130				
1,1-Dichloroethane	53.34	1.0	50.00		107	70	130				
1,1-Dichloroethene	56.81	2.0	50.00		114	60	140				
1,2,4-Trichlorobenzene	43.00	1.0	50.00		86.0	70	130				
1,2-Dibromo-3-chloropropane	42.96	1.0	50.00		85.9	70	130				
1,2-Dibromoethane	50.80	1.0	50.00		102	70	130				
1,2-Dichlorobenzene	45.61	1.0	50.00		91.2	70	130				
1,2-Dichloroethane	53.51	1.0	50.00		107	70	130				
1,2-Dichloropropane	51.33	1.0	50.00		103	70	130				
1,3-Dichlorobenzene	45.62	1.0	50.00		91.2	70	130				
1,4-Dichlorobenzene	45.98	1.0	50.00		92.0	70	130				
Benzene	51.79	1.0	50.00		104	70	130				
Bromodichloromethane	49.51	1.0	50.00		99.0	70	130				
Bromoform	37.42	1.0	50.00		74.8	70	130				
Carbon tetrachloride	49.87	2.0	50.00		99.7	70	130				
Chlorobenzene	46.81	1.0	50.00		93.6	70	130				
Chloroform	56.04	1.0	50.00		112	70	130				
cis-1,2-Dichloroethene	56.83	1.0	50.00		114	70	130				
cis-1,3-Dichloropropene	49.19	1.0	50.00		98.4	70	130				
Dibromochloromethane	49.62	1.0	50.00		99.2	70	130				
Ethylbenzene	51.03	1.0	50.00		102	70	130				
Isopropylbenzene	46.75	1.0	50.00		93.5	70	130				
m,p-Xylene	99.06	1.0	100.0		99.1	70	130				
Methylene chloride	56.46	5.0	50.00	2.960	107	70	130				
o-Xylene	47.62	1.0	50.00		95.2	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202599

Sample ID: **LCS-202599** Client ID: Units: **ug/L** Prep Date: **02/02/2015** Run No: **284994**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202599** Analysis Date: **02/02/2015** Seq No: **6044223**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	49.80	1.0	50.00		99.6	70	130				
Tetrachloroethene	48.79	1.0	50.00		97.6	70	130				
Toluene	49.62	1.0	50.00		99.2	70	130				
trans-1,2-Dichloroethene	56.81	2.0	50.00		114	70	130				
trans-1,3-Dichloropropene	45.23	2.0	50.00		90.5	70	130				
Trichloroethene	53.01	1.0	50.00		106	70	130				
Vinyl chloride	58.98	1.0	50.00		118	70	130				
Surr: 4-Bromofluorobenzene	50.68	0	50.00		101	70	130				
Surr: Dibromofluoromethane	52.94	0	50.00		106	70	130				
Surr: Toluene-d8	51.01	0	50.00		102	70	130				

Sample ID: **1501P17-005AMS** Client ID: **MW-08-04X000XX/MS/MD** Units: **ug/L** Prep Date: **02/02/2015** Run No: **285000**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202599** Analysis Date: **02/03/2015** Seq No: **6046604**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	58.90	1.0	50.00		118	64.1	145				
1,1,2,2-Tetrachloroethane	53.52	1.0	50.00		107	63.6	133				
1,1,2-Trichloroethane	53.84	1.0	50.00		108	71.9	136				
1,1-Dichloroethane	56.87	1.0	50.00		114	67.7	138				
1,1-Dichloroethene	63.47	2.0	50.00		127	60.5	156				
1,2,4-Trichlorobenzene	40.19	1.0	50.00		80.4	60	130				
1,2-Dibromo-3-chloropropane	41.99	1.0	50.00		84.0	60.6	128				
1,2-Dibromoethane	49.11	1.0	50.00		98.2	75	133				
1,2-Dichlorobenzene	45.62	1.0	50.00		91.2	71.7	127				
1,2-Dichloroethane	55.14	1.0	50.00		110	71.7	134				
1,2-Dichloropropane	52.31	1.0	50.00		105	69.6	137				
1,3-Dichlorobenzene	45.25	1.0	50.00		90.5	71.4	130				
1,4-Dichlorobenzene	45.54	1.0	50.00		91.1	72.7	123				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202599

Sample ID: **1501P17-005AMS** Client ID: **MW-08-04X000XX/MS/MD** Units: **ug/L** Prep Date: **02/02/2015** Run No: **285000**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202599** Analysis Date: **02/03/2015** Seq No: **6046604**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	53.60	1.0	50.00		107	70	135				
Bromodichloromethane	52.34	1.0	50.00		105	60.3	142				
Bromoform	44.17	1.0	50.00		88.3	50.2	139				
Carbon tetrachloride	52.60	2.0	50.00		105	64.4	146				
Chlorobenzene	47.29	1.0	50.00		94.6	70.5	132				
Chloroform	60.89	1.0	50.00		122	70.1	141				
cis-1,2-Dichloroethene	60.61	1.0	50.00		121	70.7	138				
cis-1,3-Dichloropropene	44.82	1.0	50.00		89.6	58.7	137				
Dibromochloromethane	54.81	1.0	50.00		110	63.2	130				
Ethylbenzene	52.20	1.0	50.00		104	73.7	135				
Isopropylbenzene	47.78	1.0	50.00		95.6	66.2	129				
m,p-Xylene	100.8	1.0	100.0		101	70.7	136				
Methylene chloride	60.14	5.0	50.00		120	70.1	132				
o-Xylene	49.11	1.0	50.00		98.2	71.3	137				
Styrene	50.76	1.0	50.00		102	72	135				
Tetrachloroethene	48.23	1.0	50.00		96.5	71.4	139				
Toluene	51.77	1.0	50.00		104	70.5	137				
trans-1,2-Dichloroethene	61.13	2.0	50.00		122	68.3	142				
trans-1,3-Dichloropropene	41.14	2.0	50.00		82.3	60.2	124				
Trichloroethene	53.51	1.0	50.00		107	71.8	139				
Vinyl chloride	65.91	1.0	50.00		132	70	132				
Surr: 4-Bromofluorobenzene	51.37	0	50.00		103	70	130				
Surr: Dibromofluoromethane	53.80	0	50.00		108	70	130				
Surr: Toluene-d8	51.32	0	50.00		103	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202599

Sample ID: **1501P17-005AMSD** Client ID: **MW-08-04X000XX/MS/MD** Units: **ug/L** Prep Date: **02/02/2015** Run No: **285000**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202599** Analysis Date: **02/03/2015** Seq No: **6046605**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.33	1.0	50.00		115	64.1	145	58.90	2.70	20	
1,1,2,2-Tetrachloroethane	53.11	1.0	50.00		106	63.6	133	53.52	0.769	20	
1,1,2-Trichloroethane	53.17	1.0	50.00		106	71.9	136	53.84	1.25	20	
1,1-Dichloroethane	55.94	1.0	50.00		112	67.7	138	56.87	1.65	20	
1,1-Dichloroethene	60.51	2.0	50.00		121	60.5	156	63.47	4.77	20	
1,2,4-Trichlorobenzene	40.16	1.0	50.00		80.3	60	130	40.19	0.075	26.5	
1,2-Dibromo-3-chloropropane	42.47	1.0	50.00		84.9	60.6	128	41.99	1.14	20.4	
1,2-Dibromoethane	50.14	1.0	50.00		100	75	133	49.11	2.08	20	
1,2-Dichlorobenzene	44.77	1.0	50.00		89.5	71.7	127	45.62	1.88	20	
1,2-Dichloroethane	54.64	1.0	50.00		109	71.7	134	55.14	0.911	20	
1,2-Dichloropropane	50.68	1.0	50.00		101	69.6	137	52.31	3.17	20	
1,3-Dichlorobenzene	44.41	1.0	50.00		88.8	71.4	130	45.25	1.87	20	
1,4-Dichlorobenzene	45.04	1.0	50.00		90.1	72.7	123	45.54	1.10	20	
Benzene	53.09	1.0	50.00		106	70	135	53.60	0.956	20	
Bromodichloromethane	52.93	1.0	50.00		106	60.3	142	52.34	1.12	20	
Bromoform	46.19	1.0	50.00		92.4	50.2	139	44.17	4.47	20	
Carbon tetrachloride	53.30	2.0	50.00		107	64.4	146	52.60	1.32	19.3	
Chlorobenzene	46.95	1.0	50.00		93.9	70.5	132	47.29	0.722	20	
Chloroform	59.91	1.0	50.00		120	70.1	141	60.89	1.62	20	
cis-1,2-Dichloroethene	59.62	1.0	50.00		119	70.7	138	60.61	1.65	20	
cis-1,3-Dichloropropene	44.77	1.0	50.00		89.5	58.7	137	44.82	0.112	20	
Dibromochloromethane	55.79	1.0	50.00		112	63.2	130	54.81	1.77	20	
Ethylbenzene	51.38	1.0	50.00		103	73.7	135	52.20	1.58	20	
Isopropylbenzene	47.53	1.0	50.00		95.1	66.2	129	47.78	0.525	20	
m,p-Xylene	100.3	1.0	100.0		100	70.7	136	100.8	0.567	20	
Methylene chloride	58.06	5.0	50.00		116	70.1	132	60.14	3.52	20	
o-Xylene	48.15	1.0	50.00		96.3	71.3	137	49.11	1.97	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202599

Sample ID: **1501P17-005AMSD** Client ID: **MW-08-04X000XX/MS/MD** Units: **ug/L** Prep Date: **02/02/2015** Run No: **285000**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202599** Analysis Date: **02/03/2015** Seq No: **6046605**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	50.31	1.0	50.00		101	72	135	50.76	0.890	20	
Tetrachloroethene	47.54	1.0	50.00		95.1	71.4	139	48.23	1.44	20	
Toluene	50.94	1.0	50.00		102	70.5	137	51.77	1.62	20	
trans-1,2-Dichloroethene	58.76	2.0	50.00		118	68.3	142	61.13	3.95	20	
trans-1,3-Dichloropropene	40.73	2.0	50.00		81.5	60.2	124	41.14	1.00	20	
Trichloroethene	52.79	1.0	50.00		106	71.8	139	53.51	1.35	20	
Vinyl chloride	66.62	1.0	50.00		133	70	132	65.91	1.07	20	S
Surr: 4-Bromofluorobenzene	52.32	0	50.00		105	70	130	51.37	0	0	
Surr: Dibromofluoromethane	53.89	0	50.00		108	70	130	53.80	0	0	
Surr: Toluene-d8	51.52	0	50.00		103	70	130	51.32	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202639

Sample ID: **MB-202639**	Client ID:				Units: **mg/L**		Prep Date: **02/04/2015**		Run No: **285240**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**				BatchID: **202639**		Analysis Date: **02/05/2015**		Seq No: **6050626**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-202639**	Client ID:				Units: **mg/L**		Prep Date: **02/04/2015**		Run No: **285240**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**				BatchID: **202639**		Analysis Date: **02/05/2015**		Seq No: **6050627**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004928	0.00020	0.0050		98.6	80	120				

Sample ID: **1501N94-006CMS**	Client ID:				Units: **mg/L**		Prep Date: **02/04/2015**		Run No: **285240**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**				BatchID: **202639**		Analysis Date: **02/05/2015**		Seq No: **6050629**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004728	0.00020	0.0050		94.6	70	130				

Sample ID: **1501N94-007DMS**	Client ID:				Units: **mg/L**		Prep Date: **02/04/2015**		Run No: **285240**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**				BatchID: **202639**		Analysis Date: **02/05/2015**		Seq No: **6050633**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005186	0.00020	0.0050	0.0003808	96.1	70	130				

Sample ID: **1501N94-008DMS**	Client ID:				Units: **mg/L**		Prep Date: **02/04/2015**		Run No: **285240**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**				BatchID: **202639**		Analysis Date: **02/05/2015**		Seq No: **6050638**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004798	0.00020	0.0050		96.0	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202639

Sample ID: **1501P17-023AMS** Client ID: **MW-04-23X000XX/MS/MD** Units: **mg/L** Prep Date: **02/04/2015** Run No: **285240**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **202639** Analysis Date: **02/05/2015** Seq No: **6050641**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004009	0.00020	0.0050	0.0001547	77.1	70	130				

Sample ID: **1501N94-006CMSD** Client ID: Units: **mg/L** Prep Date: **02/04/2015** Run No: **285240**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **202639** Analysis Date: **02/05/2015** Seq No: **6050630**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004855	0.00020	0.0050		97.1	70	130	0.004728	2.66	20	

Sample ID: **1501N94-007DMSD** Client ID: Units: **mg/L** Prep Date: **02/04/2015** Run No: **285240**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **202639** Analysis Date: **02/05/2015** Seq No: **6050636**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005025	0.00020	0.0050	0.0003808	92.9	70	130	0.005186	3.17	20	

Sample ID: **1501N94-008DMSD** Client ID: Units: **mg/L** Prep Date: **02/04/2015** Run No: **285240**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **202639** Analysis Date: **02/05/2015** Seq No: **6050639**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005018	0.00020	0.0050		100	70	130	0.004798	4.49	20	

Sample ID: **1501P17-023AMSD** Client ID: **MW-04-23X000XX/MS/MD** Units: **mg/L** Prep Date: **02/04/2015** Run No: **285240**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **202639** Analysis Date: **02/05/2015** Seq No: **6050642**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004062	0.00020	0.0050	0.0001547	78.1	70	130	0.004009	1.30	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202656

Sample ID: **MB-202656** Client ID: Units: **ug/L** Prep Date: **02/04/2015** Run No: **285100**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202656** Analysis Date: **02/04/2015** Seq No: **6047047**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202656

Sample ID: **MB-202656** Client ID: Units: **ug/L** Prep Date: **02/04/2015** Run No: **285100**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202656** Analysis Date: **02/04/2015** Seq No: **6047047**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	1.510	5.0									J
o-Xylene	BRL	1.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Surr: 4-Bromofluorobenzene	48.10	0	50.00		96.2	70	130				
Surr: Dibromofluoromethane	51.85	0	50.00		104	70	130				
Surr: Toluene-d8	49.46	0	50.00		98.9	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202656

Sample ID: **LCS-202656** Client ID: Units: **ug/L** Prep Date: **02/04/2015** Run No: **285100**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202656** Analysis Date: **02/04/2015** Seq No: **6047046**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	55.68	1.0	50.00		111	70	130				
1,1,2,2-Tetrachloroethane	52.08	1.0	50.00		104	70	130				
1,1,2-Trichloroethane	53.18	1.0	50.00		106	70	130				
1,1-Dichloroethane	52.49	1.0	50.00		105	70	130				
1,1-Dichloroethene	54.99	2.0	50.00		110	60	140				
1,2,4-Trichlorobenzene	42.59	1.0	50.00		85.2	70	130				
1,2-Dibromo-3-chloropropane	43.54	1.0	50.00		87.1	70	130				
1,2-Dibromoethane	49.44	1.0	50.00		98.9	70	130				
1,2-Dichlorobenzene	44.68	1.0	50.00		89.4	70	130				
1,2-Dichloroethane	54.62	1.0	50.00		109	70	130				
1,2-Dichloropropane	51.92	1.0	50.00		104	70	130				
1,3-Dichlorobenzene	44.85	1.0	50.00		89.7	70	130				
1,4-Dichlorobenzene	45.55	1.0	50.00		91.1	70	130				
Benzene	52.12	1.0	50.00		104	70	130				
Bromodichloromethane	53.04	1.0	50.00		106	70	130				
Bromoform	40.15	1.0	50.00		80.3	70	130				
Carbon tetrachloride	52.05	2.0	50.00		104	70	130				
Chlorobenzene	46.19	1.0	50.00		92.4	70	130				
Chloroform	56.45	1.0	50.00		113	70	130				
cis-1,2-Dichloroethene	57.08	1.0	50.00		114	70	130				
cis-1,3-Dichloropropene	53.07	1.0	50.00		106	70	130				
Dibromochloromethane	53.94	1.0	50.00		108	70	130				
Ethylbenzene	49.63	1.0	50.00		99.3	70	130				
Isopropylbenzene	46.27	1.0	50.00		92.5	70	130				
m,p-Xylene	96.57	1.0	100.0		96.6	70	130				
Methylene chloride	56.72	5.0	50.00	1.510	110	70	130				
o-Xylene	47.03	1.0	50.00		94.1	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202656

Sample ID: **LCS-202656** Client ID: Units: **ug/L** Prep Date: **02/04/2015** Run No: **285100**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202656** Analysis Date: **02/04/2015** Seq No: **6047046**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	49.02	1.0	50.00		98.0	70	130				
Tetrachloroethene	46.50	1.0	50.00		93.0	70	130				
Toluene	49.93	1.0	50.00		99.9	70	130				
trans-1,2-Dichloroethene	56.08	2.0	50.00		112	70	130				
trans-1,3-Dichloropropene	49.86	2.0	50.00		99.7	70	130				
Trichloroethene	51.48	1.0	50.00		103	70	130				
Vinyl chloride	58.05	1.0	50.00		116	70	130				
Surr: 4-Bromofluorobenzene	50.35	0	50.00		101	70	130				
Surr: Dibromofluoromethane	53.65	0	50.00		107	70	130				
Surr: Toluene-d8	50.84	0	50.00		102	70	130				

Sample ID: **1501P17-025AMS** Client ID: **MW-04-24X000XX** Units: **ug/L** Prep Date: **02/04/2015** Run No: **285100**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202656** Analysis Date: **02/04/2015** Seq No: **6047574**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	56.10	1.0	50.00		112	64.1	145				
1,1,2,2-Tetrachloroethane	51.80	1.0	50.00		104	63.6	133				
1,1,2-Trichloroethane	54.14	1.0	50.00		108	71.9	136				
1,1-Dichloroethane	55.23	1.0	50.00		110	67.7	138				
1,1-Dichloroethene	59.29	2.0	50.00		119	60.5	156				
1,2,4-Trichlorobenzene	38.52	1.0	50.00		77.0	60	130				
1,2-Dibromo-3-chloropropane	40.42	1.0	50.00		80.8	60.6	128				
1,2-Dibromoethane	47.84	1.0	50.00		95.7	75	133				
1,2-Dichlorobenzene	44.01	1.0	50.00		88.0	71.7	127				
1,2-Dichloroethane	54.78	1.0	50.00		110	71.7	134				
1,2-Dichloropropane	51.40	1.0	50.00		103	69.6	137				
1,3-Dichlorobenzene	44.41	1.0	50.00		88.8	71.4	130				
1,4-Dichlorobenzene	44.72	1.0	50.00		89.4	72.7	123				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202656

Sample ID: **1501P17-025AMS** Client ID: **MW-04-24X000XX** Units: **ug/L** Prep Date: **02/04/2015** Run No: **285100**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202656** Analysis Date: **02/04/2015** Seq No: **6047574**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	53.22	1.0	50.00		106	70	135				
Bromodichloromethane	52.04	1.0	50.00		104	60.3	142				
Bromoform	37.97	1.0	50.00		75.9	50.2	139				
Carbon tetrachloride	53.15	2.0	50.00		106	64.4	146				
Chlorobenzene	47.00	1.0	50.00		94.0	70.5	132				
Chloroform	57.73	1.0	50.00		115	70.1	141				
cis-1,2-Dichloroethene	58.19	1.0	50.00		116	70.7	138				
cis-1,3-Dichloropropene	50.41	1.0	50.00		101	58.7	137				
Dibromochloromethane	53.58	1.0	50.00		107	63.2	130				
Ethylbenzene	50.93	1.0	50.00		102	73.7	135				
Isopropylbenzene	46.81	1.0	50.00		93.6	66.2	129				
m,p-Xylene	98.45	1.0	100.0		98.4	70.7	136				
Methylene chloride	56.38	5.0	50.00		113	70.1	132				
o-Xylene	47.49	1.0	50.00		95.0	71.3	137				
Styrene	48.82	1.0	50.00		97.6	72	135				
Tetrachloroethene	48.20	1.0	50.00		96.4	71.4	139				
Toluene	51.57	1.0	50.00		103	70.5	137				
trans-1,2-Dichloroethene	58.49	2.0	50.00		117	68.3	142				
trans-1,3-Dichloropropene	46.12	2.0	50.00		92.2	60.2	124				
Trichloroethene	54.22	1.0	50.00		108	71.8	139				
Vinyl chloride	62.37	1.0	50.00		125	70	132				
Surr: 4-Bromofluorobenzene	50.47	0	50.00		101	70	130				
Surr: Dibromofluoromethane	54.81	0	50.00		110	70	130				
Surr: Toluene-d8	52.13	0	50.00		104	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202656

Sample ID: **1501P17-025AMSD** Client ID: **MW-04-24X000XX** Units: **ug/L** Prep Date: **02/04/2015** Run No: **285100**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202656** Analysis Date: **02/04/2015** Seq No: **6047699**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	53.43	1.0	50.00		107	64.1	145	56.10	4.88	20	
1,1,2,2-Tetrachloroethane	52.56	1.0	50.00		105	63.6	133	51.80	1.46	20	
1,1,2-Trichloroethane	49.41	1.0	50.00		98.8	71.9	136	54.14	9.14	20	
1,1-Dichloroethane	50.77	1.0	50.00		102	67.7	138	55.23	8.42	20	
1,1-Dichloroethene	55.29	2.0	50.00		111	60.5	156	59.29	6.98	20	
1,2,4-Trichlorobenzene	39.66	1.0	50.00		79.3	60	130	38.52	2.92	26.5	
1,2-Dibromo-3-chloropropane	42.35	1.0	50.00		84.7	60.6	128	40.42	4.66	20.4	
1,2-Dibromoethane	47.11	1.0	50.00		94.2	75	133	47.84	1.54	20	
1,2-Dichlorobenzene	43.83	1.0	50.00		87.7	71.7	127	44.01	0.410	20	
1,2-Dichloroethane	51.30	1.0	50.00		103	71.7	134	54.78	6.56	20	
1,2-Dichloropropane	47.99	1.0	50.00		96.0	69.6	137	51.40	6.86	20	
1,3-Dichlorobenzene	43.59	1.0	50.00		87.2	71.4	130	44.41	1.86	20	
1,4-Dichlorobenzene	44.32	1.0	50.00		88.6	72.7	123	44.72	0.898	20	
Benzene	49.06	1.0	50.00		98.1	70	135	53.22	8.13	20	
Bromodichloromethane	49.73	1.0	50.00		99.5	60.3	142	52.04	4.54	20	
Bromoform	37.97	1.0	50.00		75.9	50.2	139	37.97	0	20	
Carbon tetrachloride	49.91	2.0	50.00		99.8	64.4	146	53.15	6.29	19.3	
Chlorobenzene	44.42	1.0	50.00		88.8	70.5	132	47.00	5.64	20	
Chloroform	54.22	1.0	50.00		108	70.1	141	57.73	6.27	20	
cis-1,2-Dichloroethene	55.09	1.0	50.00		110	70.7	138	58.19	5.47	20	
cis-1,3-Dichloropropene	47.53	1.0	50.00		95.1	58.7	137	50.41	5.88	20	
Dibromochloromethane	52.06	1.0	50.00		104	63.2	130	53.58	2.88	20	
Ethylbenzene	48.65	1.0	50.00		97.3	73.7	135	50.93	4.58	20	
Isopropylbenzene	46.19	1.0	50.00		92.4	66.2	129	46.81	1.33	20	
m,p-Xylene	95.42	1.0	100.0		95.4	70.7	136	98.45	3.13	20	
Methylene chloride	53.89	5.0	50.00		108	70.1	132	56.38	4.52	20	
o-Xylene	46.02	1.0	50.00		92.0	71.3	137	47.49	3.14	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC - Ft. Inn, SC
Workorder: 1501P17

ANALYTICAL QC SUMMARY REPORT

BatchID: 202656

Sample ID: **1501P17-025AMSD** Client ID: **MW-04-24X000XX** Units: **ug/L** Prep Date: **02/04/2015** Run No: **285100**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **202656** Analysis Date: **02/04/2015** Seq No: **6047699**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	47.00	1.0	50.00		94.0	72	135	48.82	3.80	20	
Tetrachloroethene	45.95	1.0	50.00		91.9	71.4	139	48.20	4.78	20	
Toluene	47.53	1.0	50.00		95.1	70.5	137	51.57	8.15	20	
trans-1,2-Dichloroethene	54.48	2.0	50.00		109	68.3	142	58.49	7.10	20	
trans-1,3-Dichloropropene	43.90	2.0	50.00		87.8	60.2	124	46.12	4.93	20	
Trichloroethene	49.13	1.0	50.00		98.3	71.8	139	54.22	9.85	20	
Vinyl chloride	59.54	1.0	50.00		119	70	132	62.37	4.64	20	
Surr: 4-Bromofluorobenzene	51.50	0	50.00		103	70	130	50.47	0	0	
Surr: Dibromofluoromethane	53.06	0	50.00		106	70	130	54.81	0	0	
Surr: Toluene-d8	49.85	0	50.00		99.7	70	130	52.13	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 15, 2015

Christopher Bruce
AMEC E&I, Inc.
37 Villa Rd.
Greenville SC 29615

TEL: (864) 552-9624
FAX: (864) 552-9699

RE: RBTC Fountain Inn

Dear Christopher Bruce: Order No: 1507504

Analytical Environmental Services, Inc. received 37 samples on July 8, 2015 7:50 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-South Carolina Certification number 98016003 for Clean Water Act and for Solid and Hazardous Waste, effective until 6/30/16.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Tara Esbeck

Tara Esbeck
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1507504

Date: 7-7-15 Page 1 of 3

COMPANY: AMEC Greenville, SC 29615

ADDRESS: 37 Villa Road Suite 201

PHONE:

FAX:

SAMPLED BY: Lori Mauldin

SIGNATURE: Lori Mauldin

#	SAMPLE ID	SAMPLED 2015 DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260	8270												REMARKS	No # of Containers
							PRESERVATION (See codes)														
							H+I	I													
1	FB-01-01	7-7	1100	X		W	X	X													4
2	TB-01-01	7-7	800	X		W	X														2
3	RB-01-01		1135	X		W	X	X													4
4	TB-02-01		1115	X		W	X														2
5	TB-03-01		1300	X		W	X														2
6	SB-09-01X000XX		930	X		SO	X	X													5
7	SB-09-01X005XX		935	X		SO	X	X													5
8	SB-09-01X010XX		940	X		SO	X	X													5
9	SB-09-01X015XX		945	X		SO	X	X													5
10	SB-09-02X000XX		1015	X		SO	X	X													5
11	SB-09-02X005XX		1020	X		SO	X	X													5
12	SB-09-02X005XD		1020	X		SO	X	X													5
13	SB-09-02X010XX		1030	X		SO	X	X													5
14	SB-09-02X015XX		1045	X		SO	X	X													5

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Lori Mauldin	7-7-15 1705	1:	7-7-15 5:08pm
2:	7-7-15 8:00pm	2: Cataya Reeves	7/8/15 7:50a
3:		3:	

PROJECT INFORMATION

PROJECT NAME: RBTC - Ft. Irwin

PROJECT #: 60251121007

SITE ADDRESS:

SEND REPORT TO: Paul Johnstone

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers: 59

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any): SC

E-mail? (Y) N: Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:
3.6°C - 3.4°C - 3.1°C

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1507504

Date: 7-7-15 Page 2 of 3

COMPANY: AMEC
ADDRESS:
PHONE:
FAX:
SAMPLED BY: Lori Mauldin
SIGNATURE: Lori Mauldin

#	SAMPLE ID	SAMPLED 2015 DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	ANALYSIS REQUESTED 8260	8270	PRESERVATION (See codes) H+I	I	REMARKS	No # of Containers
1	SB-09-02X020XX	7-7	1050	X		SO	X	X				5
2	SB-09-03X000XX		1100	X			X	X				5
3	SB-09-03X005XX		1110	X			X	X				5
4	SB-09-03X010XX		1120	X			X	X				5
5	SB-09-03X010MS		1120	X			X	X				5
6	SB-09-03X010MD		1120	X			X	X				5
7	SB-09-03X015XX		1130	X			X	X				5
8	SB-09-04X000XX		1135	X			X	X				5
9	SB-09-04X005XX		1140	X			X	X				5
10	SB-09-04X005XD		1140	X			X	X				5
11	SB-09-04X010XX		1145	X			X	X				5
12	SB-09-04X015XX		1145	X			X	X				5
13	SB-09-04X020XX		1200	X			X	X				5
14	SB-09-05X000XX		1205	X			X	X				5

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RELINQUISHED BY / DATE/TIME
1: Lori Mauldin 7-7-15 1705
2: 7-7-15 8:00pm
3:

RECEIVED BY / DATE/TIME
1: 7-7-15 5:05
2: Cataya Reeves 7/8/15 7:50
3:

PROJECT INFORMATION
PROJECT NAME: RBTC - Ft. Inn
PROJECT #: 625112/1507
SITE ADDRESS:
SEND REPORT TO: Paul Johnstone
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 70

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any): SC
E-mail? (Y) N: Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:
3.6°C - 3.4°C - 3.1°C
LR 7/8/15

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

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PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1507504

Date: 7-7-15 Page 3 of 3

COMPANY: AMEC

ADDRESS:

PHONE:

FAX:

SAMPLED BY: Lori Mauldin

SIGNATURE: Lori Mauldin

ANALYSIS REQUESTED

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	8260	8270												PRESERVATION (See codes) H+I	PRESERVATION (See codes) I	REMARKS	No # of Containers
1	SB-09-05x005xx	7-7	1210	G		SO	X	X												X	X		5
2	SB-09-05x010xx		1215	G			X	X												X	X		5
3	SB-09-05x015xx		1220	G			X	X												X	X		5
4	SB-09-05x015xD		1220	G			X	X												X	X		5
5	SB-09-06x000xx		1225	G			X	X												X	X		5
6	SB-09-06x005xx		1230	G			X	X												X	X		5
7	SB-09-06x010xx		1240	G			X	X												X	X		5
8	SB-09-06x015xx		1245	G			X	X												X	X		5
9	SB-09-06x020xx		1250	G			X	X												X	X		5
10																							
11																							
12																							
13																							
14																							

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY DATE/TIME
1: Lori Mauldin 7-7-15 1705
2: 7-7-15 5:30pm
3:

RECEIVED BY DATE/TIME
1: 7-7-15 5:30
2: Cataya Reeves 7/8/15 7:50a
3:

PROJECT INFORMATION
PROJECT NAME: RBTC - Ft. INN
PROJECT #: 625112100?
SITE ADDRESS:
SEND REPORT TO: Paul Johnstone
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 45

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any): SC
E-mail? (Y) / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:
3.6°C - 3.4°C - 3.1°C

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL (COURIER)
GREYHOUND OTHER

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White Copy - Original; Yellow Copy - Client

Client: AMEC E&I, Inc.
Project: RBTC Fountain Inn
Lab ID: 1507504

Case Narrative

Semi-Volatile Organics Analysis by Method 8270D:

LCS-209882 recovery for hexachlorobutadiene was outside control limits biased low.

Volatile Organic Compounds Analysis by Method 8260B:

LCS-210063 recovery for 1,2,4-Trichlorobenzene was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

LCS-209999 recovery for 1,2,4-Trichlorobenzene was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 1507504-006A, -008A, -010A, -011A, -012A, -013A, -014A, -026A, -030A,-031A, -032A, -036A, & -037A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Percent recovery for the internal standard compounds Pentafluorobenzene and 1,4-Dichlorobenzene-d4 on samples 1507504-007A, & -034A was outside control limits biased low due to suspected matrix interference.

Tetrachloroethene value for sample 1507504-028A is "E" qualified indicating an estimated value over linear calibration range. Sample was diluted and reanalyzed using the supplied methanol preserved sample at the minimum dilution allowed resulting in analytes being below reporting limits.

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:00:00 AM
Lab ID:	1507504-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**				
1,1´-Biphenyl	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	209882	1	07/10/2015 14:45	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2,4-Dichlorophenol	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2,4-Dimethylphenol	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2,4-Dinitrophenol	BRL	25		ug/L	209882	1	07/10/2015 14:45	YH
2,4-Dinitrotoluene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2,6-Dinitrotoluene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2-Chloronaphthalene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2-Chlorophenol	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2-Methylnaphthalene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2-Methylphenol	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
2-Nitroaniline	BRL	25		ug/L	209882	1	07/10/2015 14:45	YH
2-Nitrophenol	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
3,3´-Dichlorobenzidine	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
3-Nitroaniline	BRL	25		ug/L	209882	1	07/10/2015 14:45	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	209882	1	07/10/2015 14:45	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
4-Chloroaniline	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
4-Methylphenol	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
4-Nitroaniline	BRL	25		ug/L	209882	1	07/10/2015 14:45	YH
4-Nitrophenol	BRL	25		ug/L	209882	1	07/10/2015 14:45	YH
Acenaphthene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Acenaphthylene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Acetophenone	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Anthracene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Atrazine	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Benz(a)anthracene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Benzaldehyde	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Benzo(a)pyrene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Benzo(b)fluoranthene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Benzo(k)fluoranthene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Butyl benzyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Caprolactam	130	10		ug/L	209882	1	07/10/2015 14:45	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:00:00 AM
Lab ID:	1507504-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**				
Carbazole	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Chrysene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Di-n-butyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Di-n-octyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Dibenzofuran	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Diethyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Dimethyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Fluoranthene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Fluorene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Hexachlorobenzene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Hexachlorobutadiene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Hexachloroethane	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Isophorone	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Naphthalene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Nitrobenzene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Pentachlorophenol	BRL	25		ug/L	209882	1	07/10/2015 14:45	YH
Phenanthrene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Phenol	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Pyrene	BRL	10		ug/L	209882	1	07/10/2015 14:45	YH
Surr: 2,4,6-Tribromophenol	76.2	52-133		%REC	209882	1	07/10/2015 14:45	YH
Surr: 2-Fluorobiphenyl	71	50-121		%REC	209882	1	07/10/2015 14:45	YH
Surr: 2-Fluorophenol	30.6	27.5-120		%REC	209882	1	07/10/2015 14:45	YH
Surr: 4-Terphenyl-d14	79.3	46.3-137		%REC	209882	1	07/10/2015 14:45	YH
Surr: Nitrobenzene-d5	74.8	41.2-121		%REC	209882	1	07/10/2015 14:45	YH
Surr: Phenol-d5	64.2	14.3-120		%REC	209882	1	07/10/2015 14:45	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,1,2-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,1-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,1-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 13:52	AR
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,2-Dibromoethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,2-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:00:00 AM
Lab ID:	1507504-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,2-Dichloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,3-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
1,4-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
2-Butanone	BRL	10		ug/L	209880	1	07/08/2015 13:52	AR
2-Hexanone	BRL	10		ug/L	209880	1	07/08/2015 13:52	AR
4-Methyl-2-pentanone	BRL	10		ug/L	209880	1	07/08/2015 13:52	AR
Acetone	BRL	20		ug/L	209880	1	07/08/2015 13:52	AR
Benzene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Bromodichloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Bromoform	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Bromomethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Carbon disulfide	BRL	5.0		ug/L	209880	1	07/08/2015 13:52	AR
Carbon tetrachloride	BRL	2.0		ug/L	209880	1	07/08/2015 13:52	AR
Chlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Chloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Chloroform	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Chloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
cis-1,2-Dichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
cis-1,3-Dichloropropene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Cyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 13:52	AR
Dibromochloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Dichlorodifluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Ethylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Freon-113	BRL	5.0		ug/L	209880	1	07/08/2015 13:52	AR
Isopropylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
m,p-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Methyl acetate	BRL	2.0		ug/L	209880	1	07/08/2015 13:52	AR
Methyl tert-butyl ether	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Methylcyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 13:52	AR
Methylene chloride	BRL	5.0		ug/L	209880	1	07/08/2015 13:52	AR
o-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Styrene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Tetrachloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Toluene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
trans-1,2-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 13:52	AR
trans-1,3-Dichloropropene	BRL	2.0		ug/L	209880	1	07/08/2015 13:52	AR
Trichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Trichlorofluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Vinyl chloride	BRL	1.0		ug/L	209880	1	07/08/2015 13:52	AR
Surr: 4-Bromofluorobenzene	94.8	70-130		%REC	209880	1	07/08/2015 13:52	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:00:00 AM
Lab ID:	1507504-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)								
Surr: Dibromofluoromethane	101	70-130		%REC	209880	1	07/08/2015 13:52	AR
Surr: Toluene-d8	98.1	70-130		%REC	209880	1	07/08/2015 13:52	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 8:00:00 AM
Lab ID:	1507504-002	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,1,2-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,1-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,1-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 14:17	AR
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,2-Dibromoethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,2-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,2-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,2-Dichloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,3-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
1,4-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
2-Butanone	BRL	10		ug/L	209880	1	07/08/2015 14:17	AR
2-Hexanone	BRL	10		ug/L	209880	1	07/08/2015 14:17	AR
4-Methyl-2-pentanone	BRL	10		ug/L	209880	1	07/08/2015 14:17	AR
Acetone	BRL	20		ug/L	209880	1	07/08/2015 14:17	AR
Benzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Bromodichloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Bromoform	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Bromomethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Carbon disulfide	BRL	5.0		ug/L	209880	1	07/08/2015 14:17	AR
Carbon tetrachloride	BRL	2.0		ug/L	209880	1	07/08/2015 14:17	AR
Chlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Chloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Chloroform	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Chloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
cis-1,2-Dichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
cis-1,3-Dichloropropene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Cyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 14:17	AR
Dibromochloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Dichlorodifluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Ethylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Freon-113	BRL	5.0		ug/L	209880	1	07/08/2015 14:17	AR
Isopropylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
m,p-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Methyl acetate	BRL	2.0		ug/L	209880	1	07/08/2015 14:17	AR
Methyl tert-butyl ether	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Methylcyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 14:17	AR
Methylene chloride	BRL	5.0		ug/L	209880	1	07/08/2015 14:17	AR
o-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 8:00:00 AM
Lab ID:	1507504-002	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Tetrachloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Toluene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
trans-1,2-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 14:17	AR
trans-1,3-Dichloropropene	BRL	2.0		ug/L	209880	1	07/08/2015 14:17	AR
Trichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Trichlorofluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Vinyl chloride	BRL	1.0		ug/L	209880	1	07/08/2015 14:17	AR
Surr: 4-Bromofluorobenzene	95.5	70-130		%REC	209880	1	07/08/2015 14:17	AR
Surr: Dibromofluoromethane	97.3	70-130		%REC	209880	1	07/08/2015 14:17	AR
Surr: Toluene-d8	98.2	70-130		%REC	209880	1	07/08/2015 14:17	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:35:00 AM
Lab ID:	1507504-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D					**(SW3520)**			
1,1′-Biphenyl	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2,4,5-Trichlorophenol	BRL	25		ug/L	209882	1	07/10/2015 15:11	YH
2,4,6-Trichlorophenol	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2,4-Dichlorophenol	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2,4-Dimethylphenol	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2,4-Dinitrophenol	BRL	25		ug/L	209882	1	07/10/2015 15:11	YH
2,4-Dinitrotoluene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2,6-Dinitrotoluene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2-Chloronaphthalene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2-Chlorophenol	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2-Methylnaphthalene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2-Methylphenol	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
2-Nitroaniline	BRL	25		ug/L	209882	1	07/10/2015 15:11	YH
2-Nitrophenol	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
3,3′-Dichlorobenzidine	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
3-Nitroaniline	BRL	25		ug/L	209882	1	07/10/2015 15:11	YH
4,6-Dinitro-2-methylphenol	BRL	25		ug/L	209882	1	07/10/2015 15:11	YH
4-Bromophenyl phenyl ether	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
4-Chloro-3-methylphenol	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
4-Chloroaniline	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
4-Chlorophenyl phenyl ether	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
4-Methylphenol	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
4-Nitroaniline	BRL	25		ug/L	209882	1	07/10/2015 15:11	YH
4-Nitrophenol	BRL	25		ug/L	209882	1	07/10/2015 15:11	YH
Acenaphthene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Acenaphthylene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Acetophenone	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Anthracene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Atrazine	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Benz(a)anthracene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Benzaldehyde	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Benzo(a)pyrene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Benzo(b)fluoranthene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Benzo(k)fluoranthene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Bis(2-chloroethoxy)methane	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Bis(2-chloroethyl)ether	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Bis(2-chloroisopropyl)ether	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Bis(2-ethylhexyl)phthalate	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Butyl benzyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Caprolactam	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:35:00 AM
Lab ID:	1507504-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3520)**				
Carbazole	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Chrysene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Di-n-butyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Di-n-octyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Dibenz(a,h)anthracene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Dibenzofuran	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Diethyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Dimethyl phthalate	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Fluoranthene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Fluorene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Hexachlorobenzene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Hexachlorobutadiene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Hexachlorocyclopentadiene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Hexachloroethane	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Indeno(1,2,3-cd)pyrene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Isophorone	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
N-Nitrosodi-n-propylamine	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
N-Nitrosodiphenylamine	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Naphthalene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Nitrobenzene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Pentachlorophenol	BRL	25		ug/L	209882	1	07/10/2015 15:11	YH
Phenanthrene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Phenol	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Pyrene	BRL	10		ug/L	209882	1	07/10/2015 15:11	YH
Surr: 2,4,6-Tribromophenol	77.8	52-133		%REC	209882	1	07/10/2015 15:11	YH
Surr: 2-Fluorobiphenyl	77.3	50-121		%REC	209882	1	07/10/2015 15:11	YH
Surr: 2-Fluorophenol	27.9	27.5-120		%REC	209882	1	07/10/2015 15:11	YH
Surr: 4-Terphenyl-d14	83.9	46.3-137		%REC	209882	1	07/10/2015 15:11	YH
Surr: Nitrobenzene-d5	88.3	41.2-121		%REC	209882	1	07/10/2015 15:11	YH
Surr: Phenol-d5	64.5	14.3-120		%REC	209882	1	07/10/2015 15:11	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,1,2-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,1-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,1-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 15:30	AR
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,2-Dibromoethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,2-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:35:00 AM
Lab ID:	1507504-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,2-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,2-Dichloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,3-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
1,4-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
2-Butanone	BRL	10		ug/L	209880	1	07/08/2015 15:30	AR
2-Hexanone	BRL	10		ug/L	209880	1	07/08/2015 15:30	AR
4-Methyl-2-pentanone	BRL	10		ug/L	209880	1	07/08/2015 15:30	AR
Acetone	BRL	20		ug/L	209880	1	07/08/2015 15:30	AR
Benzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Bromodichloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Bromoform	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Bromomethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Carbon disulfide	BRL	5.0		ug/L	209880	1	07/08/2015 15:30	AR
Carbon tetrachloride	BRL	2.0		ug/L	209880	1	07/08/2015 15:30	AR
Chlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Chloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Chloroform	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Chloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
cis-1,2-Dichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
cis-1,3-Dichloropropene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Cyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 15:30	AR
Dibromochloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Dichlorodifluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Ethylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Freon-113	BRL	5.0		ug/L	209880	1	07/08/2015 15:30	AR
Isopropylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
m,p-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Methyl acetate	BRL	2.0		ug/L	209880	1	07/08/2015 15:30	AR
Methyl tert-butyl ether	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Methylcyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 15:30	AR
Methylene chloride	BRL	5.0		ug/L	209880	1	07/08/2015 15:30	AR
o-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Styrene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Tetrachloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Toluene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
trans-1,2-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 15:30	AR
trans-1,3-Dichloropropene	BRL	2.0		ug/L	209880	1	07/08/2015 15:30	AR
Trichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Trichlorofluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Vinyl chloride	BRL	1.0		ug/L	209880	1	07/08/2015 15:30	AR
Surr: 4-Bromofluorobenzene	94.6	70-130		%REC	209880	1	07/08/2015 15:30	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	RB-01-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:35:00 AM
Lab ID:	1507504-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Surr: Dibromofluoromethane	97.2	70-130		%REC	209880	1	07/08/2015 15:30	AR
Surr: Toluene-d8	98.4	70-130		%REC	209880	1	07/08/2015 15:30	AR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-02-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:15:00 AM
Lab ID:	1507504-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,1,2-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,1-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,1-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 14:41	AR
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,2-Dibromoethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,2-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,2-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,2-Dichloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,3-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
1,4-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
2-Butanone	BRL	10		ug/L	209880	1	07/08/2015 14:41	AR
2-Hexanone	BRL	10		ug/L	209880	1	07/08/2015 14:41	AR
4-Methyl-2-pentanone	BRL	10		ug/L	209880	1	07/08/2015 14:41	AR
Acetone	BRL	20		ug/L	209880	1	07/08/2015 14:41	AR
Benzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Bromodichloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Bromoform	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Bromomethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Carbon disulfide	BRL	5.0		ug/L	209880	1	07/08/2015 14:41	AR
Carbon tetrachloride	BRL	2.0		ug/L	209880	1	07/08/2015 14:41	AR
Chlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Chloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Chloroform	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Chloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
cis-1,2-Dichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
cis-1,3-Dichloropropene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Cyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 14:41	AR
Dibromochloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Dichlorodifluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Ethylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Freon-113	BRL	5.0		ug/L	209880	1	07/08/2015 14:41	AR
Isopropylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
m,p-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Methyl acetate	BRL	2.0		ug/L	209880	1	07/08/2015 14:41	AR
Methyl tert-butyl ether	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Methylcyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 14:41	AR
Methylene chloride	BRL	5.0		ug/L	209880	1	07/08/2015 14:41	AR
o-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-02-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:15:00 AM
Lab ID:	1507504-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Tetrachloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Toluene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
trans-1,2-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 14:41	AR
trans-1,3-Dichloropropene	BRL	2.0		ug/L	209880	1	07/08/2015 14:41	AR
Trichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Trichlorofluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Vinyl chloride	BRL	1.0		ug/L	209880	1	07/08/2015 14:41	AR
Surr: 4-Bromofluorobenzene	95.9	70-130		%REC	209880	1	07/08/2015 14:41	AR
Surr: Dibromofluoromethane	98	70-130		%REC	209880	1	07/08/2015 14:41	AR
Surr: Toluene-d8	96.7	70-130		%REC	209880	1	07/08/2015 14:41	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-03-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 1:00:00 PM
Lab ID:	1507504-005	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,1,2-Trichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,1-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,1-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 15:05	AR
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,2-Dibromoethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,2-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,2-Dichloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,2-Dichloropropane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,3-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
1,4-Dichlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
2-Butanone	BRL	10		ug/L	209880	1	07/08/2015 15:05	AR
2-Hexanone	BRL	10		ug/L	209880	1	07/08/2015 15:05	AR
4-Methyl-2-pentanone	BRL	10		ug/L	209880	1	07/08/2015 15:05	AR
Acetone	BRL	20		ug/L	209880	1	07/08/2015 15:05	AR
Benzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Bromodichloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Bromoform	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Bromomethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Carbon disulfide	BRL	5.0		ug/L	209880	1	07/08/2015 15:05	AR
Carbon tetrachloride	BRL	2.0		ug/L	209880	1	07/08/2015 15:05	AR
Chlorobenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Chloroethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Chloroform	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Chloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
cis-1,2-Dichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
cis-1,3-Dichloropropene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Cyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 15:05	AR
Dibromochloromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Dichlorodifluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Ethylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Freon-113	BRL	5.0		ug/L	209880	1	07/08/2015 15:05	AR
Isopropylbenzene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
m,p-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Methyl acetate	BRL	2.0		ug/L	209880	1	07/08/2015 15:05	AR
Methyl tert-butyl ether	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Methylcyclohexane	BRL	2.0		ug/L	209880	1	07/08/2015 15:05	AR
Methylene chloride	BRL	5.0		ug/L	209880	1	07/08/2015 15:05	AR
o-Xylene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-03-01
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 1:00:00 PM
Lab ID:	1507504-005	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Tetrachloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Toluene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
trans-1,2-Dichloroethene	BRL	2.0		ug/L	209880	1	07/08/2015 15:05	AR
trans-1,3-Dichloropropene	BRL	2.0		ug/L	209880	1	07/08/2015 15:05	AR
Trichloroethene	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Trichlorofluoromethane	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Vinyl chloride	BRL	1.0		ug/L	209880	1	07/08/2015 15:05	AR
Surr: 4-Bromofluorobenzene	96.1	70-130		%REC	209880	1	07/08/2015 15:05	AR
Surr: Dibromofluoromethane	99.7	70-130		%REC	209880	1	07/08/2015 15:05	AR
Surr: Toluene-d8	97.7	70-130		%REC	209880	1	07/08/2015 15:05	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:30:00 AM
Lab ID:	1507504-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2,4,5-Trichlorophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2,4-Dichlorophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2,4-Dinitrotoluene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2,6-Dinitrotoluene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2-Chloronaphthalene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2-Methylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2-Nitroaniline	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
2-Nitrophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
3,3′-Dichlorobenzidine	BRL	920		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
3-Nitroaniline	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
4,6-Dinitro-2-methylphenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
4-Bromophenyl phenyl ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
4-Chloroaniline	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
4-Chlorophenyl phenyl ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
4-Methylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
4-Nitroaniline	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
4-Nitrophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Acenaphthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Acenaphthylene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Acetophenone	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Anthracene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Atrazine	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Benzaldehyde	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Benzo(g,h,i)perylene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Bis(2-chloroethoxy)methane	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Bis(2-chloroethyl)ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Bis(2-chloroisopropyl)ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Bis(2-ethylhexyl)phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Butyl benzyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Caprolactam	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:30:00 AM
Lab ID:	1507504-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Chrysene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Di-n-butyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Di-n-octyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Dibenzofuran	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Diethyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Dimethyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Fluoranthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Fluorene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Hexachlorobenzene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Hexachlorobutadiene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Hexachlorocyclopentadiene	BRL	910		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Hexachloroethane	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Isophorone	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
N-Nitrosodi-n-propylamine	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
N-Nitrosodiphenylamine	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Naphthalene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Nitrobenzene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Phenanthrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Phenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Pyrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 13:57	YH
Surr: 2,4,6-Tribromophenol	87	41-128		%REC	209963	1	07/10/2015 13:57	YH
Surr: 2-Fluorobiphenyl	78.6	47-120		%REC	209963	1	07/10/2015 13:57	YH
Surr: 2-Fluorophenol	64.8	38.3-120		%REC	209963	1	07/10/2015 13:57	YH
Surr: 4-Terphenyl-d14	82.4	51.4-125		%REC	209963	1	07/10/2015 13:57	YH
Surr: Nitrobenzene-d5	64.1	40.1-120		%REC	209963	1	07/10/2015 13:57	YH
Surr: Phenol-d5	71.4	40.3-120		%REC	209963	1	07/10/2015 13:57	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,1,2,2-Tetrachloroethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,1,2-Trichloroethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,1-Dichloroethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,1-Dichloroethene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,2,4-Trichlorobenzene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,2-Dibromo-3-chloropropane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,2-Dibromoethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,2-Dichlorobenzene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:30:00 AM
Lab ID:	1507504-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,2-Dichloropropane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,3-Dichlorobenzene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
1,4-Dichlorobenzene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
2-Butanone	BRL	54		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
2-Hexanone	BRL	11		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
4-Methyl-2-pentanone	BRL	11		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Acetone	BRL	110		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Benzene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Bromodichloromethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Bromoform	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Bromomethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Carbon disulfide	BRL	11		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Carbon tetrachloride	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Chlorobenzene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Chloroethane	BRL	11		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Chloroform	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Chloromethane	BRL	11		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
cis-1,2-Dichloroethene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
cis-1,3-Dichloropropene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Cyclohexane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Dibromochloromethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Ethylbenzene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Freon-113	BRL	11		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Isopropylbenzene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
m,p-Xylene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Methyl acetate	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Methyl tert-butyl ether	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Methylcyclohexane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Methylene chloride	29	22		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
o-Xylene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Styrene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Tetrachloroethene	80	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Toluene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
trans-1,2-Dichloroethene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
trans-1,3-Dichloropropene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Trichloroethene	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Trichlorofluoromethane	BRL	5.4		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Vinyl chloride	BRL	11		ug/Kg-dry	209999	1	07/13/2015 12:35	CG
Surr: 4-Bromofluorobenzene	87.1	70-128		%REC	209999	1	07/13/2015 12:35	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:30:00 AM
Lab ID:	1507504-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	102	78.2-128		%REC	209999	1	07/13/2015 12:35	CG
Surr: Toluene-d8	92.1	76.5-116		%REC	209999	1	07/13/2015 12:35	CG
PERCENT MOISTURE D2216								
Percent Moisture	27.3	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:35:00 AM
Lab ID:	1507504-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2,4,5-Trichlorophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2,4,6-Trichlorophenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2,4-Dichlorophenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2,4-Dimethylphenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2,4-Dinitrophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2,4-Dinitrotoluene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2,6-Dinitrotoluene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2-Chloronaphthalene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2-Chlorophenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2-Methylnaphthalene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2-Methylphenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2-Nitroaniline	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
2-Nitrophenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
3,3′-Dichlorobenzidine	BRL	760		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
3-Nitroaniline	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
4,6-Dinitro-2-methylphenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
4-Bromophenyl phenyl ether	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
4-Chloro-3-methylphenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
4-Chloroaniline	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
4-Chlorophenyl phenyl ether	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
4-Methylphenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
4-Nitroaniline	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
4-Nitrophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Acenaphthene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Acenaphthylene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Acetophenone	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Anthracene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Atrazine	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Benz(a)anthracene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Benzaldehyde	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Benzo(a)pyrene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Benzo(b)fluoranthene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Bis(2-chloroethoxy)methane	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Bis(2-chloroethyl)ether	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Bis(2-chloroisopropyl)ether	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Bis(2-ethylhexyl)phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Butyl benzyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Caprolactam	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:35:00 AM
Lab ID:	1507504-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Chrysene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Di-n-butyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Di-n-octyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Dibenzofuran	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Diethyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Dimethyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Fluoranthene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Fluorene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Hexachlorobenzene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Hexachlorobutadiene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Hexachlorocyclopentadiene	BRL	750		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Hexachloroethane	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Isophorone	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
N-Nitrosodi-n-propylamine	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
N-Nitrosodiphenylamine	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Naphthalene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Nitrobenzene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Pentachlorophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Phenanthrene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Phenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Pyrene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 12:40	YH
Surr: 2,4,6-Tribromophenol	80.1	41-128		%REC	209963	1	07/10/2015 12:40	YH
Surr: 2-Fluorobiphenyl	75.4	47-120		%REC	209963	1	07/10/2015 12:40	YH
Surr: 2-Fluorophenol	58	38.3-120		%REC	209963	1	07/10/2015 12:40	YH
Surr: 4-Terphenyl-d14	78	51.4-125		%REC	209963	1	07/10/2015 12:40	YH
Surr: Nitrobenzene-d5	62.2	40.1-120		%REC	209963	1	07/10/2015 12:40	YH
Surr: Phenol-d5	66.7	40.3-120		%REC	209963	1	07/10/2015 12:40	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,1,2,2-Tetrachloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,1,2-Trichloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,1-Dichloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,1-Dichloroethene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,2,4-Trichlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,2-Dibromo-3-chloropropane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,2-Dibromoethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,2-Dichlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:35:00 AM
Lab ID:	1507504-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,2-Dichloropropane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,3-Dichlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
1,4-Dichlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
2-Butanone	BRL	36		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
2-Hexanone	BRL	7.3		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
4-Methyl-2-pentanone	BRL	7.3		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Acetone	BRL	73		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Benzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Bromodichloromethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Bromoform	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Bromomethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Carbon disulfide	BRL	7.3		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Carbon tetrachloride	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Chlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Chloroethane	BRL	7.3		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Chloroform	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Chloromethane	BRL	7.3		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
cis-1,2-Dichloroethene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
cis-1,3-Dichloropropene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Cyclohexane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Dibromochloromethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Dichlorodifluoromethane	BRL	7.3		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Ethylbenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Freon-113	BRL	7.3		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Isopropylbenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
m,p-Xylene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Methyl acetate	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Methyl tert-butyl ether	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Methylcyclohexane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Methylene chloride	16	15		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
o-Xylene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Styrene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Tetrachloroethene	5.1	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Toluene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
trans-1,2-Dichloroethene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
trans-1,3-Dichloropropene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Trichloroethene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Trichlorofluoromethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Vinyl chloride	BRL	7.3		ug/Kg-dry	209999	1	07/13/2015 15:09	CG
Surr: 4-Bromofluorobenzene	85.5	70-128		%REC	209999	1	07/13/2015 15:09	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:35:00 AM
Lab ID:	1507504-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	102	78.2-128		%REC	209999	1	07/13/2015 15:09	CG
Surr: Toluene-d8	97.2	76.5-116		%REC	209999	1	07/13/2015 15:09	CG
PERCENT MOISTURE D2216								
Percent Moisture	11.7	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:40:00 AM
Lab ID:	1507504-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2,4,5-Trichlorophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2,4-Dichlorophenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2,4-Dinitrotoluene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2,6-Dinitrotoluene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2-Chloronaphthalene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2-Methylphenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2-Nitroaniline	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
2-Nitrophenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
3,3′-Dichlorobenzidine	BRL	880		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
3-Nitroaniline	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
4,6-Dinitro-2-methylphenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
4-Bromophenyl phenyl ether	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
4-Chloroaniline	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
4-Chlorophenyl phenyl ether	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
4-Methylphenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
4-Nitroaniline	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
4-Nitrophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Acenaphthene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Acenaphthylene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Acetophenone	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Anthracene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Atrazine	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Benzaldehyde	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Bis(2-chloroethoxy)methane	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Bis(2-chloroethyl)ether	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Bis(2-chloroisopropyl)ether	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Bis(2-ethylhexyl)phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Butyl benzyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Caprolactam	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:40:00 AM
Lab ID:	1507504-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Chrysene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Di-n-butyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Di-n-octyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Dibenzofuran	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Diethyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Dimethyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Fluoranthene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Fluorene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Hexachlorobenzene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Hexachlorobutadiene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Hexachlorocyclopentadiene	BRL	860		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Hexachloroethane	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Isophorone	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
N-Nitrosodi-n-propylamine	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
N-Nitrosodiphenylamine	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Naphthalene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Nitrobenzene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Phenanthrene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Phenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Pyrene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 14:22	YH
Surr: 2,4,6-Tribromophenol	71	41-128		%REC	209963	1	07/10/2015 14:22	YH
Surr: 2-Fluorobiphenyl	63	47-120		%REC	209963	1	07/10/2015 14:22	YH
Surr: 2-Fluorophenol	46.7	38.3-120		%REC	209963	1	07/10/2015 14:22	YH
Surr: 4-Terphenyl-d14	67.5	51.4-125		%REC	209963	1	07/10/2015 14:22	YH
Surr: Nitrobenzene-d5	52.2	40.1-120		%REC	209963	1	07/10/2015 14:22	YH
Surr: Phenol-d5	56.6	40.3-120		%REC	209963	1	07/10/2015 14:22	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,1,2,2-Tetrachloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,1,2-Trichloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,1-Dichloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,1-Dichloroethene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,2,4-Trichlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,2-Dibromo-3-chloropropane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,2-Dibromoethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,2-Dichlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:40:00 AM
Lab ID:	1507504-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,2-Dichloropropane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,3-Dichlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
1,4-Dichlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
2-Butanone	BRL	36		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
2-Hexanone	BRL	7.1		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
4-Methyl-2-pentanone	BRL	7.1		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Acetone	BRL	71		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Benzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Bromodichloromethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Bromoform	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Bromomethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Carbon disulfide	BRL	7.1		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Carbon tetrachloride	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Chlorobenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Chloroethane	BRL	7.1		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Chloroform	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Chloromethane	BRL	7.1		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
cis-1,2-Dichloroethene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
cis-1,3-Dichloropropene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Cyclohexane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Dibromochloromethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Dichlorodifluoromethane	BRL	7.1		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Ethylbenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Freon-113	BRL	7.1		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Isopropylbenzene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
m,p-Xylene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Methyl acetate	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Methyl tert-butyl ether	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Methylcyclohexane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Methylene chloride	17	14		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
o-Xylene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Styrene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Tetrachloroethene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Toluene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
trans-1,2-Dichloroethene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
trans-1,3-Dichloropropene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Trichloroethene	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Trichlorofluoromethane	BRL	3.6		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Vinyl chloride	BRL	7.1		ug/Kg-dry	209999	1	07/13/2015 15:35	CG
Surr: 4-Bromofluorobenzene	84	70-128		%REC	209999	1	07/13/2015 15:35	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:40:00 AM
Lab ID:	1507504-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	99.3	78.2-128		%REC	209999	1	07/13/2015 15:35	CG
Surr: Toluene-d8	95.1	76.5-116		%REC	209999	1	07/13/2015 15:35	CG
PERCENT MOISTURE D2216								
Percent Moisture	23.6	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:45:00 AM
Lab ID:	1507504-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2,4,5-Trichlorophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2,4,6-Trichlorophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2,4-Dichlorophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2,4-Dimethylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2,4-Dinitrotoluene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2,6-Dinitrotoluene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2-Chloronaphthalene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2-Chlorophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2-Methylnaphthalene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2-Methylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2-Nitroaniline	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
2-Nitrophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
3,3′-Dichlorobenzidine	BRL	930		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
3-Nitroaniline	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
4,6-Dinitro-2-methylphenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
4-Bromophenyl phenyl ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
4-Chloro-3-methylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
4-Chloroaniline	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
4-Chlorophenyl phenyl ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
4-Methylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
4-Nitroaniline	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
4-Nitrophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Acenaphthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Acenaphthylene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Acetophenone	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Anthracene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Atrazine	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Benz(a)anthracene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Benzaldehyde	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Benzo(a)pyrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Benzo(b)fluoranthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Benzo(g,h,i)perylene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Benzo(k)fluoranthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Bis(2-chloroethoxy)methane	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Bis(2-chloroethyl)ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Bis(2-chloroisopropyl)ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Bis(2-ethylhexyl)phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Butyl benzyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Caprolactam	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:45:00 AM
Lab ID:	1507504-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Chrysene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Di-n-butyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Di-n-octyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Dibenz(a,h)anthracene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Dibenzofuran	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Diethyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Dimethyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Fluoranthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Fluorene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Hexachlorobenzene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Hexachlorobutadiene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Hexachlorocyclopentadiene	BRL	920		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Hexachloroethane	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Indeno(1,2,3-cd)pyrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Isophorone	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
N-Nitrosodi-n-propylamine	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
N-Nitrosodiphenylamine	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Naphthalene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Nitrobenzene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Phenanthrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Phenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Pyrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 14:49	YH
Surr: 2,4,6-Tribromophenol	91.1	41-128		%REC	209963	1	07/10/2015 14:49	YH
Surr: 2-Fluorobiphenyl	76.2	47-120		%REC	209963	1	07/10/2015 14:49	YH
Surr: 2-Fluorophenol	58.8	38.3-120		%REC	209963	1	07/10/2015 14:49	YH
Surr: 4-Terphenyl-d14	85.8	51.4-125		%REC	209963	1	07/10/2015 14:49	YH
Surr: Nitrobenzene-d5	59.9	40.1-120		%REC	209963	1	07/10/2015 14:49	YH
Surr: Phenol-d5	69.4	40.3-120		%REC	209963	1	07/10/2015 14:49	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,1,2,2-Tetrachloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,1,2-Trichloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,1-Dichloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,2,4-Trichlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,2-Dibromo-3-chloropropane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,2-Dibromoethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,2-Dichlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:45:00 AM
Lab ID:	1507504-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,2-Dichloropropane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,3-Dichlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
1,4-Dichlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
2-Butanone	BRL	40		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
2-Hexanone	BRL	7.9		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
4-Methyl-2-pentanone	BRL	7.9		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Acetone	BRL	79		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Benzene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Bromodichloromethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Bromoform	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Bromomethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Carbon disulfide	BRL	7.9		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Carbon tetrachloride	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Chlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Chloroethane	BRL	7.9		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Chloroform	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Chloromethane	BRL	7.9		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
cis-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
cis-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Cyclohexane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Dibromochloromethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Dichlorodifluoromethane	BRL	7.9		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Ethylbenzene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Freon-113	BRL	7.9		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Isopropylbenzene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
m,p-Xylene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Methyl acetate	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Methyl tert-butyl ether	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Methylcyclohexane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Methylene chloride	19	16		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
o-Xylene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Styrene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Tetrachloroethene	110	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Toluene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
trans-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
trans-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Trichloroethene	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Trichlorofluoromethane	BRL	4.0		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Vinyl chloride	BRL	7.9		ug/Kg-dry	209999	1	07/14/2015 15:04	CG
Surr: 4-Bromofluorobenzene	80.1	70-128		%REC	209999	1	07/14/2015 15:04	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-01X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 9:45:00 AM
Lab ID:	1507504-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	107	78.2-128		%REC	209999	1	07/14/2015 15:04	CG
Surr: Toluene-d8	95.8	76.5-116		%REC	209999	1	07/14/2015 15:04	CG
PERCENT MOISTURE D2216								
Percent Moisture	28.2	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:15:00 AM
Lab ID:	1507504-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2,4,6-Trichlorophenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2,4-Dichlorophenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2,4-Dimethylphenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2,4-Dinitrotoluene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2,6-Dinitrotoluene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2-Chloronaphthalene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2-Chlorophenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2-Methylnaphthalene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2-Methylphenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
2-Nitrophenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
3,3′-Dichlorobenzidine	BRL	790		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
4-Bromophenyl phenyl ether	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
4-Chloro-3-methylphenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
4-Chloroaniline	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
4-Chlorophenyl phenyl ether	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
4-Methylphenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Acenaphthene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Acenaphthylene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Acetophenone	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Anthracene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Atrazine	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Benz(a)anthracene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Benzaldehyde	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Benzo(a)pyrene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Benzo(g,h,i)perylene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Bis(2-chloroethoxy)methane	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Bis(2-chloroethyl)ether	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Bis(2-chloroisopropyl)ether	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Bis(2-ethylhexyl)phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Butyl benzyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Caprolactam	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:15:00 AM
Lab ID:	1507504-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Chrysene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Di-n-butyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Di-n-octyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Dibenzofuran	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Diethyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Dimethyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Fluoranthene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Fluorene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Hexachlorobenzene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Hexachlorobutadiene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Hexachlorocyclopentadiene	BRL	770		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Hexachloroethane	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Isophorone	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
N-Nitrosodi-n-propylamine	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
N-Nitrosodiphenylamine	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Naphthalene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Nitrobenzene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Phenanthrene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Phenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Pyrene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 15:14	YH
Surr: 2,4,6-Tribromophenol	89.8	41-128		%REC	209963	1	07/10/2015 15:14	YH
Surr: 2-Fluorobiphenyl	78.3	47-120		%REC	209963	1	07/10/2015 15:14	YH
Surr: 2-Fluorophenol	57	38.3-120		%REC	209963	1	07/10/2015 15:14	YH
Surr: 4-Terphenyl-d14	78.8	51.4-125		%REC	209963	1	07/10/2015 15:14	YH
Surr: Nitrobenzene-d5	65	40.1-120		%REC	209963	1	07/10/2015 15:14	YH
Surr: Phenol-d5	65.6	40.3-120		%REC	209963	1	07/10/2015 15:14	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,1,2,2-Tetrachloroethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,1,2-Trichloroethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,1-Dichloroethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,1-Dichloroethene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,2,4-Trichlorobenzene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,2-Dibromo-3-chloropropane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,2-Dibromoethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,2-Dichlorobenzene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:15:00 AM
Lab ID:	1507504-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,2-Dichloropropane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,3-Dichlorobenzene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
1,4-Dichlorobenzene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
2-Butanone	BRL	34		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
2-Hexanone	BRL	6.7		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
4-Methyl-2-pentanone	BRL	6.7		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Acetone	BRL	67		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Benzene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Bromodichloromethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Bromoform	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Bromomethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Carbon disulfide	BRL	6.7		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Carbon tetrachloride	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Chlorobenzene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Chloroethane	BRL	6.7		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Chloroform	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Chloromethane	BRL	6.7		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
cis-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
cis-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Cyclohexane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Dibromochloromethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Dichlorodifluoromethane	BRL	6.7		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Ethylbenzene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Freon-113	BRL	6.7		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Isopropylbenzene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
m,p-Xylene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Methyl acetate	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Methyl tert-butyl ether	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Methylcyclohexane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Methylene chloride	16	13		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
o-Xylene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Styrene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Tetrachloroethene	17	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Toluene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
trans-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
trans-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Trichloroethene	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Trichlorofluoromethane	BRL	3.4		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Vinyl chloride	BRL	6.7		ug/Kg-dry	209999	1	07/13/2015 13:01	CG
Surr: 4-Bromofluorobenzene	88.2	70-128		%REC	209999	1	07/13/2015 13:01	CG

Qualifiers:

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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:15:00 AM
Lab ID:	1507504-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	102	78.2-128		%REC	209999	1	07/13/2015 13:01	CG
Surr: Toluene-d8	92.6	76.5-116		%REC	209999	1	07/13/2015 13:01	CG
PERCENT MOISTURE D2216								
Percent Moisture	14.7	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:20:00 AM
Lab ID:	1507504-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2,4,5-Trichlorophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2,4-Dichlorophenol	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2,4-Dinitrotoluene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2,6-Dinitrotoluene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2-Chloronaphthalene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2-Methylphenol	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2-Nitroaniline	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
2-Nitrophenol	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
3,3′-Dichlorobenzidine	BRL	860		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
3-Nitroaniline	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
4,6-Dinitro-2-methylphenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
4-Bromophenyl phenyl ether	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
4-Chloroaniline	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
4-Chlorophenyl phenyl ether	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
4-Methylphenol	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
4-Nitroaniline	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
4-Nitrophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Acenaphthene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Acenaphthylene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Acetophenone	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Anthracene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Atrazine	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Benzaldehyde	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Benzo(g,h,i)perylene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Bis(2-chloroethoxy)methane	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Bis(2-chloroethyl)ether	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Bis(2-chloroisopropyl)ether	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Bis(2-ethylhexyl)phthalate	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Butyl benzyl phthalate	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Caprolactam	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
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- < Less than Result value
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Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:20:00 AM
Lab ID:	1507504-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Chrysene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Di-n-butyl phthalate	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Di-n-octyl phthalate	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Dibenzofuran	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Diethyl phthalate	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Dimethyl phthalate	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Fluoranthene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Fluorene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Hexachlorobenzene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Hexachlorobutadiene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Hexachlorocyclopentadiene	BRL	850		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Hexachloroethane	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Isophorone	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
N-Nitrosodi-n-propylamine	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
N-Nitrosodiphenylamine	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Naphthalene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Nitrobenzene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Phenanthrene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Phenol	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Pyrene	BRL	420		ug/Kg-dry	209963	1	07/10/2015 15:40	YH
Surr: 2,4,6-Tribromophenol	81.3	41-128		%REC	209963	1	07/10/2015 15:40	YH
Surr: 2-Fluorobiphenyl	65.1	47-120		%REC	209963	1	07/10/2015 15:40	YH
Surr: 2-Fluorophenol	45.6	38.3-120		%REC	209963	1	07/10/2015 15:40	YH
Surr: 4-Terphenyl-d14	71.5	51.4-125		%REC	209963	1	07/10/2015 15:40	YH
Surr: Nitrobenzene-d5	50.3	40.1-120		%REC	209963	1	07/10/2015 15:40	YH
Surr: Phenol-d5	52.4	40.3-120		%REC	209963	1	07/10/2015 15:40	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,1,2,2-Tetrachloroethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,1,2-Trichloroethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,1-Dichloroethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,1-Dichloroethene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,2,4-Trichlorobenzene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,2-Dibromo-3-chloropropane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,2-Dibromoethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,2-Dichlorobenzene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:20:00 AM
Lab ID:	1507504-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,2-Dichloropropane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,3-Dichlorobenzene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
1,4-Dichlorobenzene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
2-Butanone	BRL	46		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
2-Hexanone	BRL	9.2		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
4-Methyl-2-pentanone	BRL	9.2		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Acetone	BRL	92		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Benzene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Bromodichloromethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Bromoform	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Bromomethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Carbon disulfide	BRL	9.2		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Carbon tetrachloride	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Chlorobenzene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Chloroethane	BRL	9.2		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Chloroform	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Chloromethane	BRL	9.2		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
cis-1,2-Dichloroethene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
cis-1,3-Dichloropropene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Cyclohexane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Dibromochloromethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Dichlorodifluoromethane	BRL	9.2		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Ethylbenzene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Freon-113	BRL	9.2		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Isopropylbenzene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
m,p-Xylene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Methyl acetate	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Methyl tert-butyl ether	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Methylcyclohexane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Methylene chloride	25	18		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
o-Xylene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Styrene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Tetrachloroethene	11	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Toluene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
trans-1,2-Dichloroethene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
trans-1,3-Dichloropropene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Trichloroethene	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Trichlorofluoromethane	BRL	4.6		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Vinyl chloride	BRL	9.2		ug/Kg-dry	209999	1	07/13/2015 13:27	CG
Surr: 4-Bromofluorobenzene	88	70-128		%REC	209999	1	07/13/2015 13:27	CG

Qualifiers:

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- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:20:00 AM
Lab ID:	1507504-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	101	78.2-128		%REC	209999	1	07/13/2015 13:27	CG
Surr: Toluene-d8	95.8	76.5-116		%REC	209999	1	07/13/2015 13:27	CG
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X005XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:20:00 AM
Lab ID:	1507504-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2,4,5-Trichlorophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2,4-Dichlorophenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2,4-Dinitrotoluene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2,6-Dinitrotoluene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2-Chloronaphthalene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2-Methylphenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2-Nitroaniline	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
2-Nitrophenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
3,3′-Dichlorobenzidine	BRL	870		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
3-Nitroaniline	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
4,6-Dinitro-2-methylphenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
4-Bromophenyl phenyl ether	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
4-Chloroaniline	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
4-Chlorophenyl phenyl ether	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
4-Methylphenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
4-Nitroaniline	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
4-Nitrophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Acenaphthene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Acenaphthylene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Acetophenone	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Anthracene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Atrazine	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Benzaldehyde	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Bis(2-chloroethoxy)methane	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Bis(2-chloroethyl)ether	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Bis(2-chloroisopropyl)ether	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Bis(2-ethylhexyl)phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Butyl benzyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Caprolactam	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X005XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:20:00 AM
Lab ID:	1507504-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Chrysene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Di-n-butyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Di-n-octyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Dibenzofuran	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Diethyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Dimethyl phthalate	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Fluoranthene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Fluorene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Hexachlorobenzene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Hexachlorobutadiene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Hexachlorocyclopentadiene	BRL	860		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Hexachloroethane	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Isophorone	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
N-Nitrosodi-n-propylamine	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
N-Nitrosodiphenylamine	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Naphthalene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Nitrobenzene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Phenanthrene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Phenol	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Pyrene	BRL	430		ug/Kg-dry	209963	1	07/10/2015 16:06	YH
Surr: 2,4,6-Tribromophenol	90.8	41-128		%REC	209963	1	07/10/2015 16:06	YH
Surr: 2-Fluorobiphenyl	76.9	47-120		%REC	209963	1	07/10/2015 16:06	YH
Surr: 2-Fluorophenol	55.7	38.3-120		%REC	209963	1	07/10/2015 16:06	YH
Surr: 4-Terphenyl-d14	77.9	51.4-125		%REC	209963	1	07/10/2015 16:06	YH
Surr: Nitrobenzene-d5	63.8	40.1-120		%REC	209963	1	07/10/2015 16:06	YH
Surr: Phenol-d5	66.6	40.3-120		%REC	209963	1	07/10/2015 16:06	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,1,2,2-Tetrachloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,1,2-Trichloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,2,4-Trichlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,2-Dibromo-3-chloropropane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,2-Dibromoethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,2-Dichlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X005XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:20:00 AM
Lab ID:	1507504-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,2-Dichloropropane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,3-Dichlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
1,4-Dichlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
2-Butanone	BRL	42		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
2-Hexanone	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
4-Methyl-2-pentanone	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Acetone	BRL	83		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Benzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Bromodichloromethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Bromoform	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Bromomethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Carbon disulfide	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Carbon tetrachloride	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Chlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Chloroethane	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Chloroform	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Chloromethane	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
cis-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
cis-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Cyclohexane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Dibromochloromethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Dichlorodifluoromethane	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Ethylbenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Freon-113	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Isopropylbenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
m,p-Xylene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Methyl acetate	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Methyl tert-butyl ether	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Methylcyclohexane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Methylene chloride	21	17		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
o-Xylene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Styrene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Tetrachloroethene	8.8	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Toluene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
trans-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
trans-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Trichloroethene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Trichlorofluoromethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Vinyl chloride	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 13:52	CG
Surr: 4-Bromofluorobenzene	87.3	70-128		%REC	209999	1	07/13/2015 13:52	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X005XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:20:00 AM
Lab ID:	1507504-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	103	78.2-128		%REC	209999	1	07/13/2015 13:52	CG
Surr: Toluene-d8	96	76.5-116		%REC	209999	1	07/13/2015 13:52	CG
PERCENT MOISTURE D2216								
Percent Moisture	23.0	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:30:00 AM
Lab ID:	1507504-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2,4-Dichlorophenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2,4-Dinitrotoluene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2,6-Dinitrotoluene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2-Chloronaphthalene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2-Methylphenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
2-Nitrophenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
3,3′-Dichlorobenzidine	BRL	830		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
4-Bromophenyl phenyl ether	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
4-Chloroaniline	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
4-Chlorophenyl phenyl ether	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
4-Methylphenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Acenaphthene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Acenaphthylene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Acetophenone	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Anthracene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Atrazine	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Benz(a)anthracene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Benzaldehyde	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Benzo(g,h,i)perylene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Bis(2-chloroethoxy)methane	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Bis(2-chloroethyl)ether	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Bis(2-chloroisopropyl)ether	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Bis(2-ethylhexyl)phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Butyl benzyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Caprolactam	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:30:00 AM
Lab ID:	1507504-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Chrysene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Di-n-butyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Di-n-octyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Dibenzofuran	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Diethyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Dimethyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Fluoranthene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Fluorene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Hexachlorobenzene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Hexachlorobutadiene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Hexachlorocyclopentadiene	BRL	820		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Hexachloroethane	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Isophorone	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
N-Nitrosodi-n-propylamine	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
N-Nitrosodiphenylamine	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Naphthalene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Nitrobenzene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Phenanthrene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Phenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Pyrene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 16:32	YH
Surr: 2,4,6-Tribromophenol	81.1	41-128		%REC	209963	1	07/10/2015 16:32	YH
Surr: 2-Fluorobiphenyl	64.2	47-120		%REC	209963	1	07/10/2015 16:32	YH
Surr: 2-Fluorophenol	49.5	38.3-120		%REC	209963	1	07/10/2015 16:32	YH
Surr: 4-Terphenyl-d14	72.4	51.4-125		%REC	209963	1	07/10/2015 16:32	YH
Surr: Nitrobenzene-d5	52.3	40.1-120		%REC	209963	1	07/10/2015 16:32	YH
Surr: Phenol-d5	54.4	40.3-120		%REC	209963	1	07/10/2015 16:32	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,1,2,2-Tetrachloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,1,2-Trichloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,2,4-Trichlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,2-Dibromo-3-chloropropane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,2-Dibromoethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,2-Dichlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:30:00 AM
Lab ID:	1507504-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,2-Dichloropropane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,3-Dichlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
1,4-Dichlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
2-Butanone	BRL	42		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
2-Hexanone	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
4-Methyl-2-pentanone	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Acetone	BRL	83		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Benzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Bromodichloromethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Bromoform	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Bromomethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Carbon disulfide	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Carbon tetrachloride	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Chlorobenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Chloroethane	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Chloroform	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Chloromethane	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
cis-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
cis-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Cyclohexane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Dibromochloromethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Dichlorodifluoromethane	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Ethylbenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Freon-113	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Isopropylbenzene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
m,p-Xylene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Methyl acetate	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Methyl tert-butyl ether	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Methylcyclohexane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Methylene chloride	27	17		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
o-Xylene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Styrene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Tetrachloroethene	110	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Toluene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
trans-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
trans-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Trichloroethene	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Trichlorofluoromethane	BRL	4.2		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Vinyl chloride	BRL	8.3		ug/Kg-dry	209999	1	07/13/2015 14:18	CG
Surr: 4-Bromofluorobenzene	81.6	70-128		%REC	209999	1	07/13/2015 14:18	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:30:00 AM
Lab ID:	1507504-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	96.4	78.2-128		%REC	209999	1	07/13/2015 14:18	CG
Surr: Toluene-d8	93.9	76.5-116		%REC	209999	1	07/13/2015 14:18	CG
PERCENT MOISTURE D2216								
Percent Moisture	19.3	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:45:00 AM
Lab ID:	1507504-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1´-Biphenyl	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2,4,5-Trichlorophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2,4,6-Trichlorophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2,4-Dichlorophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2,4-Dimethylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2,4-Dinitrotoluene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2,6-Dinitrotoluene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2-Chloronaphthalene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2-Chlorophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2-Methylnaphthalene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2-Methylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2-Nitroaniline	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
2-Nitrophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
3,3´-Dichlorobenzidine	BRL	930		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
3-Nitroaniline	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
4,6-Dinitro-2-methylphenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
4-Bromophenyl phenyl ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
4-Chloro-3-methylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
4-Chloroaniline	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
4-Chlorophenyl phenyl ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
4-Methylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
4-Nitroaniline	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
4-Nitrophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Acenaphthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Acenaphthylene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Acetophenone	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Anthracene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Atrazine	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Benz(a)anthracene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Benzaldehyde	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Benzo(a)pyrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Benzo(b)fluoranthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Benzo(g,h,i)perylene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Benzo(k)fluoranthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Bis(2-chloroethoxy)methane	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Bis(2-chloroethyl)ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Bis(2-chloroisopropyl)ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Bis(2-ethylhexyl)phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Butyl benzyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Caprolactam	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:45:00 AM
Lab ID:	1507504-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Chrysene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Di-n-butyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Di-n-octyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Dibenz(a,h)anthracene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Dibenzofuran	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Diethyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Dimethyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Fluoranthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Fluorene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Hexachlorobenzene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Hexachlorobutadiene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Hexachlorocyclopentadiene	BRL	920		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Hexachloroethane	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Indeno(1,2,3-cd)pyrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Isophorone	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
N-Nitrosodi-n-propylamine	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
N-Nitrosodiphenylamine	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Naphthalene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Nitrobenzene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Phenanthrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Phenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Pyrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 16:58	YH
Surr: 2,4,6-Tribromophenol	74.2	41-128		%REC	209963	1	07/10/2015 16:58	YH
Surr: 2-Fluorobiphenyl	62.8	47-120		%REC	209963	1	07/10/2015 16:58	YH
Surr: 2-Fluorophenol	51.1	38.3-120		%REC	209963	1	07/10/2015 16:58	YH
Surr: 4-Terphenyl-d14	67	51.4-125		%REC	209963	1	07/10/2015 16:58	YH
Surr: Nitrobenzene-d5	52.8	40.1-120		%REC	209963	1	07/10/2015 16:58	YH
Surr: Phenol-d5	57.2	40.3-120		%REC	209963	1	07/10/2015 16:58	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,1,2,2-Tetrachloroethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,1,2-Trichloroethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,1-Dichloroethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,1-Dichloroethene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,2,4-Trichlorobenzene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,2-Dibromo-3-chloropropane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,2-Dibromoethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,2-Dichlorobenzene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:45:00 AM
Lab ID:	1507504-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,2-Dichloropropane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,3-Dichlorobenzene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
1,4-Dichlorobenzene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
2-Butanone	BRL	45		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
2-Hexanone	BRL	9.1		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
4-Methyl-2-pentanone	BRL	9.1		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Acetone	BRL	91		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Benzene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Bromodichloromethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Bromoform	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Bromomethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Carbon disulfide	BRL	9.1		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Carbon tetrachloride	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Chlorobenzene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Chloroethane	BRL	9.1		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Chloroform	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Chloromethane	BRL	9.1		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
cis-1,2-Dichloroethene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
cis-1,3-Dichloropropene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Cyclohexane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Dibromochloromethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Dichlorodifluoromethane	BRL	9.1		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Ethylbenzene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Freon-113	BRL	9.1		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Isopropylbenzene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
m,p-Xylene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Methyl acetate	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Methyl tert-butyl ether	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Methylcyclohexane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Methylene chloride	21	18		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
o-Xylene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Styrene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Tetrachloroethene	91	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Toluene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
trans-1,2-Dichloroethene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
trans-1,3-Dichloropropene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Trichloroethene	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Trichlorofluoromethane	BRL	4.5		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Vinyl chloride	BRL	9.1		ug/Kg-dry	209999	1	07/13/2015 14:44	CG
Surr: 4-Bromofluorobenzene	85.6	70-128		%REC	209999	1	07/13/2015 14:44	CG

Qualifiers:

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- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:45:00 AM
Lab ID:	1507504-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	102	78.2-128		%REC	209999	1	07/13/2015 14:44	CG
Surr: Toluene-d8	95	76.5-116		%REC	209999	1	07/13/2015 14:44	CG
PERCENT MOISTURE D2216								
Percent Moisture	27.9	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:50:00 AM
Lab ID:	1507504-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2,4-Dichlorophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2,4-Dinitrotoluene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2,6-Dinitrotoluene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2-Chloronaphthalene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2-Methylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
2-Nitrophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
3,3′-Dichlorobenzidine	BRL	810		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
4-Bromophenyl phenyl ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
4-Chloroaniline	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
4-Chlorophenyl phenyl ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
4-Methylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Acenaphthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Acenaphthylene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Acetophenone	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Anthracene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Atrazine	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Benzaldehyde	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Bis(2-chloroethoxy)methane	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Bis(2-chloroethyl)ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Bis(2-chloroisopropyl)ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Bis(2-ethylhexyl)phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Butyl benzyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Caprolactam	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:50:00 AM
Lab ID:	1507504-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Chrysene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Di-n-butyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Di-n-octyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Dibenzofuran	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Diethyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Dimethyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Fluoranthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Fluorene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Hexachlorobenzene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Hexachlorobutadiene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Hexachlorocyclopentadiene	BRL	800		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Hexachloroethane	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Isophorone	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
N-Nitrosodi-n-propylamine	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
N-Nitrosodiphenylamine	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Naphthalene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Nitrobenzene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Phenanthrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Phenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Pyrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 17:25	YH
Surr: 2,4,6-Tribromophenol	75.5	41-128		%REC	209963	1	07/10/2015 17:25	YH
Surr: 2-Fluorobiphenyl	65.7	47-120		%REC	209963	1	07/10/2015 17:25	YH
Surr: 2-Fluorophenol	50.1	38.3-120		%REC	209963	1	07/10/2015 17:25	YH
Surr: 4-Terphenyl-d14	66.1	51.4-125		%REC	209963	1	07/10/2015 17:25	YH
Surr: Nitrobenzene-d5	55.4	40.1-120		%REC	209963	1	07/10/2015 17:25	YH
Surr: Phenol-d5	56.5	40.3-120		%REC	209963	1	07/10/2015 17:25	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,1,2,2-Tetrachloroethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,1,2-Trichloroethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,1-Dichloroethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,1-Dichloroethene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,2,4-Trichlorobenzene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,2-Dibromo-3-chloropropane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,2-Dibromoethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,2-Dichlorobenzene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:50:00 AM
Lab ID:	1507504-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,2-Dichloropropane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,3-Dichlorobenzene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
1,4-Dichlorobenzene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
2-Butanone	BRL	34		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
2-Hexanone	BRL	6.9		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
4-Methyl-2-pentanone	BRL	6.9		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Acetone	BRL	69		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Benzene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Bromodichloromethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Bromoform	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Bromomethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Carbon disulfide	BRL	6.9		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Carbon tetrachloride	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Chlorobenzene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Chloroethane	BRL	6.9		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Chloroform	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Chloromethane	BRL	6.9		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
cis-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
cis-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Cyclohexane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Dibromochloromethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Dichlorodifluoromethane	BRL	6.9		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Ethylbenzene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Freon-113	BRL	6.9		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Isopropylbenzene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
m,p-Xylene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Methyl acetate	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Methyl tert-butyl ether	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Methylcyclohexane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Methylene chloride	23	14		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
o-Xylene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Styrene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Tetrachloroethene	230	180		ug/Kg-dry	210095	50	07/13/2015 17:22	TH
Toluene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
trans-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
trans-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Trichloroethene	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Trichlorofluoromethane	BRL	3.4		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Vinyl chloride	BRL	6.9		ug/Kg-dry	210063	1	07/10/2015 11:21	MD
Surr: 4-Bromofluorobenzene	91.6	70-128		%REC	210095	50	07/13/2015 17:22	TH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
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- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-02X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 10:50:00 AM
Lab ID:	1507504-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: 4-Bromofluorobenzene	82.2	70-128		%REC	210063	1	07/10/2015 11:21	MD
Surr: Dibromofluoromethane	83.1	78.2-128		%REC	210095	50	07/13/2015 17:22	TH
Surr: Dibromofluoromethane	107	78.2-128		%REC	210063	1	07/10/2015 11:21	MD
Surr: Toluene-d8	94.8	76.5-116		%REC	210095	50	07/13/2015 17:22	TH
Surr: Toluene-d8	93.6	76.5-116		%REC	210063	1	07/10/2015 11:21	MD
PERCENT MOISTURE D2216								
Percent Moisture	17.8	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:00:00 AM
Lab ID:	1507504-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2,4,5-Trichlorophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2,4-Dichlorophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2,4-Dinitrotoluene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2,6-Dinitrotoluene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2-Chloronaphthalene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2-Methylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2-Nitroaniline	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
2-Nitrophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
3,3′-Dichlorobenzidine	BRL	910		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
3-Nitroaniline	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
4,6-Dinitro-2-methylphenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
4-Bromophenyl phenyl ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
4-Chloroaniline	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
4-Chlorophenyl phenyl ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
4-Methylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
4-Nitroaniline	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
4-Nitrophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Acenaphthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Acenaphthylene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Acetophenone	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Anthracene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Atrazine	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Benzaldehyde	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Benzo(g,h,i)perylene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Bis(2-chloroethoxy)methane	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Bis(2-chloroethyl)ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Bis(2-chloroisopropyl)ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Bis(2-ethylhexyl)phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Butyl benzyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Caprolactam	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:00:00 AM
Lab ID:	1507504-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Chrysene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Di-n-butyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Di-n-octyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Dibenzofuran	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Diethyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Dimethyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Fluoranthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Fluorene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Hexachlorobenzene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Hexachlorobutadiene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Hexachlorocyclopentadiene	BRL	890		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Hexachloroethane	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Isophorone	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
N-Nitrosodi-n-propylamine	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
N-Nitrosodiphenylamine	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Naphthalene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Nitrobenzene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Phenanthrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Phenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Pyrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 17:52	YH
Surr: 2,4,6-Tribromophenol	68.8	41-128		%REC	209963	1	07/10/2015 17:52	YH
Surr: 2-Fluorobiphenyl	57.9	47-120		%REC	209963	1	07/10/2015 17:52	YH
Surr: 2-Fluorophenol	41.3	38.3-120		%REC	209963	1	07/10/2015 17:52	YH
Surr: 4-Terphenyl-d14	57.9	51.4-125		%REC	209963	1	07/10/2015 17:52	YH
Surr: Nitrobenzene-d5	47.8	40.1-120		%REC	209963	1	07/10/2015 17:52	YH
Surr: Phenol-d5	48.7	40.3-120		%REC	209963	1	07/10/2015 17:52	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,1,2,2-Tetrachloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,1,2-Trichloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,1-Dichloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,1-Dichloroethene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,2,4-Trichlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,2-Dibromo-3-chloropropane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,2-Dibromoethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,2-Dichlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:00:00 AM
Lab ID:	1507504-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,2-Dichloropropane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,3-Dichlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
1,4-Dichlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
2-Butanone	BRL	41		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
2-Hexanone	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
4-Methyl-2-pentanone	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Acetone	BRL	82		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Benzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Bromodichloromethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Bromoform	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Bromomethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Carbon disulfide	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Carbon tetrachloride	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Chlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Chloroethane	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Chloroform	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Chloromethane	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
cis-1,2-Dichloroethene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
cis-1,3-Dichloropropene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Cyclohexane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Dibromochloromethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Dichlorodifluoromethane	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Ethylbenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Freon-113	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Isopropylbenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
m,p-Xylene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Methyl acetate	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Methyl tert-butyl ether	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Methylcyclohexane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Methylene chloride	17	16		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
o-Xylene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Styrene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Tetrachloroethene	70	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Toluene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
trans-1,2-Dichloroethene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
trans-1,3-Dichloropropene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Trichloroethene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Trichlorofluoromethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Vinyl chloride	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 11:47	MD
Surr: 4-Bromofluorobenzene	77.7	70-128		%REC	210063	1	07/10/2015 11:47	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:00:00 AM
Lab ID:	1507504-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	108	78.2-128		%REC	210063	1	07/10/2015 11:47	MD
Surr: Toluene-d8	93.8	76.5-116		%REC	210063	1	07/10/2015 11:47	MD
PERCENT MOISTURE D2216								
Percent Moisture	26.3	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:10:00 AM
Lab ID:	1507504-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2,4,5-Trichlorophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2,4,6-Trichlorophenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2,4-Dichlorophenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2,4-Dimethylphenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2,4-Dinitrophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2,4-Dinitrotoluene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2,6-Dinitrotoluene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2-Chloronaphthalene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2-Chlorophenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2-Methylnaphthalene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2-Methylphenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2-Nitroaniline	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
2-Nitrophenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
3,3′-Dichlorobenzidine	BRL	760		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
3-Nitroaniline	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
4,6-Dinitro-2-methylphenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
4-Bromophenyl phenyl ether	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
4-Chloro-3-methylphenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
4-Chloroaniline	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
4-Chlorophenyl phenyl ether	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
4-Methylphenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
4-Nitroaniline	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
4-Nitrophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Acenaphthene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Acenaphthylene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Acetophenone	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Anthracene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Atrazine	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Benz(a)anthracene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Benzaldehyde	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Benzo(a)pyrene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Benzo(b)fluoranthene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Bis(2-chloroethoxy)methane	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Bis(2-chloroethyl)ether	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Bis(2-chloroisopropyl)ether	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Bis(2-ethylhexyl)phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Butyl benzyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Caprolactam	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:10:00 AM
Lab ID:	1507504-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Chrysene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Di-n-butyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Di-n-octyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Dibenzofuran	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Diethyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Dimethyl phthalate	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Fluoranthene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Fluorene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Hexachlorobenzene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Hexachlorobutadiene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Hexachlorocyclopentadiene	BRL	750		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Hexachloroethane	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Isophorone	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
N-Nitrosodi-n-propylamine	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
N-Nitrosodiphenylamine	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Naphthalene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Nitrobenzene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Pentachlorophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Phenanthrene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Phenol	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Pyrene	BRL	370		ug/Kg-dry	209963	1	07/10/2015 18:17	YH
Surr: 2,4,6-Tribromophenol	69.3	41-128		%REC	209963	1	07/10/2015 18:17	YH
Surr: 2-Fluorobiphenyl	57.3	47-120		%REC	209963	1	07/10/2015 18:17	YH
Surr: 2-Fluorophenol	46.7	38.3-120		%REC	209963	1	07/10/2015 18:17	YH
Surr: 4-Terphenyl-d14	59.9	51.4-125		%REC	209963	1	07/10/2015 18:17	YH
Surr: Nitrobenzene-d5	48.9	40.1-120		%REC	209963	1	07/10/2015 18:17	YH
Surr: Phenol-d5	52.9	40.3-120		%REC	209963	1	07/10/2015 18:17	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,1,2,2-Tetrachloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,1,2-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,2,4-Trichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,2-Dibromo-3-chloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,2-Dibromoethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,2-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:10:00 AM
Lab ID:	1507504-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,2-Dichloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,3-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
1,4-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
2-Butanone	BRL	42		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
2-Hexanone	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
4-Methyl-2-pentanone	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Acetone	BRL	85		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Benzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Bromodichloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Bromoform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Bromomethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Carbon disulfide	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Carbon tetrachloride	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Chlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Chloroethane	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Chloroform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Chloromethane	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
cis-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
cis-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Cyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Dibromochloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Dichlorodifluoromethane	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Ethylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Freon-113	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Isopropylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
m,p-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Methyl acetate	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Methyl tert-butyl ether	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Methylcyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Methylene chloride	40	17		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
o-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Styrene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Tetrachloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Toluene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
trans-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
trans-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Trichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Trichlorofluoromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Vinyl chloride	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 12:12	MD
Surr: 4-Bromofluorobenzene	77.5	70-128		%REC	210063	1	07/10/2015 12:12	MD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:10:00 AM
Lab ID:	1507504-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	108	78.2-128		%REC	210063	1	07/10/2015 12:12	MD
Surr: Toluene-d8	95.4	76.5-116		%REC	210063	1	07/10/2015 12:12	MD
PERCENT MOISTURE D2216								
Percent Moisture	11.7	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2,4-Dichlorophenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2,4-Dinitrotoluene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2,6-Dinitrotoluene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2-Chloronaphthalene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2-Methylphenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
2-Nitrophenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
3,3′-Dichlorobenzidine	BRL	830		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
4-Bromophenyl phenyl ether	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
4-Chloroaniline	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
4-Chlorophenyl phenyl ether	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
4-Methylphenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Acenaphthene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Acenaphthylene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Acetophenone	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Anthracene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Atrazine	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Benz(a)anthracene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Benzaldehyde	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Benzo(g,h,i)perylene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Bis(2-chloroethoxy)methane	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Bis(2-chloroethyl)ether	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Bis(2-chloroisopropyl)ether	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Bis(2-ethylhexyl)phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Butyl benzyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Caprolactam	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Chrysene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Di-n-butyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Di-n-octyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Dibenzofuran	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Diethyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Dimethyl phthalate	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Fluoranthene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Fluorene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Hexachlorobenzene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Hexachlorobutadiene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Hexachlorocyclopentadiene	BRL	820		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Hexachloroethane	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Isophorone	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
N-Nitrosodi-n-propylamine	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
N-Nitrosodiphenylamine	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Naphthalene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Nitrobenzene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Phenanthrene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Phenol	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Pyrene	BRL	410		ug/Kg-dry	209963	1	07/10/2015 18:42	YH
Surr: 2,4,6-Tribromophenol	65	41-128		%REC	209963	1	07/10/2015 18:42	YH
Surr: 2-Fluorobiphenyl	53.4	47-120		%REC	209963	1	07/10/2015 18:42	YH
Surr: 2-Fluorophenol	40.1	38.3-120		%REC	209963	1	07/10/2015 18:42	YH
Surr: 4-Terphenyl-d14	54.2	51.4-125		%REC	209963	1	07/10/2015 18:42	YH
Surr: Nitrobenzene-d5	45.7	40.1-120		%REC	209963	1	07/10/2015 18:42	YH
Surr: Phenol-d5	46.6	40.3-120		%REC	209963	1	07/10/2015 18:42	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,1,2,2-Tetrachloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,1,2-Trichloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,1-Dichloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,1-Dichloroethene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,2,4-Trichlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,2-Dibromo-3-chloropropane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,2-Dibromoethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,2-Dichlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD

Qualifiers:

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- BRL Below reporting limit
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- N Analyte not NELAC certified
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- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,2-Dichloropropane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,3-Dichlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
1,4-Dichlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
2-Butanone	BRL	41		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
2-Hexanone	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
4-Methyl-2-pentanone	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Acetone	BRL	82		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Benzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Bromodichloromethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Bromoform	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Bromomethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Carbon disulfide	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Carbon tetrachloride	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Chlorobenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Chloroethane	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Chloroform	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Chloromethane	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
cis-1,2-Dichloroethene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
cis-1,3-Dichloropropene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Cyclohexane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Dibromochloromethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Dichlorodifluoromethane	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Ethylbenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Freon-113	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Isopropylbenzene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
m,p-Xylene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Methyl acetate	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Methyl tert-butyl ether	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Methylcyclohexane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Methylene chloride	22	16		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
o-Xylene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Styrene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Tetrachloroethene	21	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Toluene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
trans-1,2-Dichloroethene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
trans-1,3-Dichloropropene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Trichloroethene	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Trichlorofluoromethane	BRL	4.1		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Vinyl chloride	BRL	8.2		ug/Kg-dry	210063	1	07/10/2015 12:38	MD
Surr: 4-Bromofluorobenzene	80.4	70-128		%REC	210063	1	07/10/2015 12:38	MD

Qualifiers:

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- E Estimated (value above quantitation range)
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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
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Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	114	78.2-128		%REC	210063	1	07/10/2015 12:38	MD
Surr: Toluene-d8	99.4	76.5-116		%REC	210063	1	07/10/2015 12:38	MD
PERCENT MOISTURE D2216								
Percent Moisture	19.4	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010MS
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2,4,5-Trichlorophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2,4,6-Trichlorophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2,4-Dichlorophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2,4-Dimethylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2,4-Dinitrotoluene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2,6-Dinitrotoluene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2-Chloronaphthalene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2-Chlorophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2-Methylnaphthalene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2-Methylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2-Nitroaniline	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
2-Nitrophenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
3,3′-Dichlorobenzidine	BRL	940		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
3-Nitroaniline	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
4,6-Dinitro-2-methylphenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
4-Bromophenyl phenyl ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
4-Chloro-3-methylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
4-Chloroaniline	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
4-Chlorophenyl phenyl ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
4-Methylphenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
4-Nitroaniline	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
4-Nitrophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Acenaphthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Acenaphthylene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Acetophenone	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Anthracene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Atrazine	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Benz(a)anthracene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Benzaldehyde	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Benzo(a)pyrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Benzo(b)fluoranthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Benzo(g,h,i)perylene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Benzo(k)fluoranthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Bis(2-chloroethoxy)methane	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Bis(2-chloroethyl)ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Bis(2-chloroisopropyl)ether	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Bis(2-ethylhexyl)phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Butyl benzyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Caprolactam	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH

Qualifiers:

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- BRL Below reporting limit
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Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010MS
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Chrysene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Di-n-butyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Di-n-octyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Dibenz(a,h)anthracene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Dibenzofuran	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Diethyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Dimethyl phthalate	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Fluoranthene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Fluorene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Hexachlorobenzene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Hexachlorobutadiene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Hexachlorocyclopentadiene	BRL	930		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Hexachloroethane	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Indeno(1,2,3-cd)pyrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Isophorone	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
N-Nitrosodi-n-propylamine	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
N-Nitrosodiphenylamine	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Naphthalene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Nitrobenzene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Phenanthrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Phenol	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Pyrene	BRL	460		ug/Kg-dry	209963	1	07/10/2015 19:09	YH
Surr: 2,4,6-Tribromophenol	70.5	41-128		%REC	209963	1	07/10/2015 19:09	YH
Surr: 2-Fluorobiphenyl	60.5	47-120		%REC	209963	1	07/10/2015 19:09	YH
Surr: 2-Fluorophenol	49.6	38.3-120		%REC	209963	1	07/10/2015 19:09	YH
Surr: 4-Terphenyl-d14	58.3	51.4-125		%REC	209963	1	07/10/2015 19:09	YH
Surr: Nitrobenzene-d5	51.7	40.1-120		%REC	209963	1	07/10/2015 19:09	YH
Surr: Phenol-d5	54.6	40.3-120		%REC	209963	1	07/10/2015 19:09	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,1,2,2-Tetrachloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,1,2-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,2,4-Trichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,2-Dibromo-3-chloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,2-Dibromoethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,2-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010MS
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,2-Dichloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,3-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
1,4-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
2-Butanone	BRL	42		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
2-Hexanone	BRL	8.3		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
4-Methyl-2-pentanone	BRL	8.3		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Acetone	BRL	83		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Benzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Bromodichloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Bromoform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Bromomethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Carbon disulfide	BRL	8.3		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Carbon tetrachloride	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Chlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Chloroethane	BRL	8.3		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Chloroform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Chloromethane	BRL	8.3		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
cis-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
cis-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Cyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Dibromochloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Dichlorodifluoromethane	BRL	8.3		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Ethylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Freon-113	BRL	8.3		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Isopropylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
m,p-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Methyl acetate	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Methyl tert-butyl ether	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Methylcyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Methylene chloride	23	17		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
o-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Styrene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Tetrachloroethene	76	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Toluene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
trans-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
trans-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Trichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Trichlorofluoromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Vinyl chloride	BRL	8.3		ug/Kg-dry	210063	1	07/10/2015 13:03	MD
Surr: 4-Bromofluorobenzene	79.8	70-128		%REC	210063	1	07/10/2015 13:03	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010MS
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	110	78.2-128		%REC	210063	1	07/10/2015 13:03	MD
Surr: Toluene-d8	95.9	76.5-116		%REC	210063	1	07/10/2015 13:03	MD
PERCENT MOISTURE D2216								
Percent Moisture	28.9	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010MD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2,4,5-Trichlorophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2,4,6-Trichlorophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2,4-Dichlorophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2,4-Dimethylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2,4-Dinitrotoluene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2,6-Dinitrotoluene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2-Chloronaphthalene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2-Chlorophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2-Methylnaphthalene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2-Methylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2-Nitroaniline	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
2-Nitrophenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
3,3′-Dichlorobenzidine	BRL	900		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
3-Nitroaniline	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
4,6-Dinitro-2-methylphenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
4-Bromophenyl phenyl ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
4-Chloro-3-methylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
4-Chloroaniline	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
4-Chlorophenyl phenyl ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
4-Methylphenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
4-Nitroaniline	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
4-Nitrophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Acenaphthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Acenaphthylene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Acetophenone	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Anthracene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Atrazine	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Benz(a)anthracene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Benzaldehyde	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Benzo(a)pyrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Benzo(b)fluoranthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Benzo(g,h,i)perylene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Benzo(k)fluoranthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Bis(2-chloroethoxy)methane	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Bis(2-chloroethyl)ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Bis(2-chloroisopropyl)ether	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Bis(2-ethylhexyl)phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Butyl benzyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Caprolactam	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010MD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Chrysene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Di-n-butyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Di-n-octyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Dibenz(a,h)anthracene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Dibenzofuran	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Diethyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Dimethyl phthalate	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Fluoranthene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Fluorene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Hexachlorobenzene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Hexachlorobutadiene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Hexachlorocyclopentadiene	BRL	890		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Hexachloroethane	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Indeno(1,2,3-cd)pyrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Isophorone	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
N-Nitrosodi-n-propylamine	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
N-Nitrosodiphenylamine	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Naphthalene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Nitrobenzene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Phenanthrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Phenol	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Pyrene	BRL	450		ug/Kg-dry	209963	1	07/10/2015 19:34	YH
Surr: 2,4,6-Tribromophenol	70	41-128		%REC	209963	1	07/10/2015 19:34	YH
Surr: 2-Fluorobiphenyl	60.1	47-120		%REC	209963	1	07/10/2015 19:34	YH
Surr: 2-Fluorophenol	46.6	38.3-120		%REC	209963	1	07/10/2015 19:34	YH
Surr: 4-Terphenyl-d14	64.5	51.4-125		%REC	209963	1	07/10/2015 19:34	YH
Surr: Nitrobenzene-d5	47.6	40.1-120		%REC	209963	1	07/10/2015 19:34	YH
Surr: Phenol-d5	50.1	40.3-120		%REC	209963	1	07/10/2015 19:34	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,1,2,2-Tetrachloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,1,2-Trichloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,1-Dichloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,2,4-Trichlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,2-Dibromo-3-chloropropane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,2-Dibromoethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,2-Dichlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010MD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,2-Dichloropropane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,3-Dichlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
1,4-Dichlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
2-Butanone	BRL	40		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
2-Hexanone	BRL	7.9		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
4-Methyl-2-pentanone	BRL	7.9		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Acetone	BRL	79		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Benzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Bromodichloromethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Bromoform	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Bromomethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Carbon disulfide	BRL	7.9		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Carbon tetrachloride	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Chlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Chloroethane	BRL	7.9		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Chloroform	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Chloromethane	BRL	7.9		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
cis-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
cis-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Cyclohexane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Dibromochloromethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Dichlorodifluoromethane	BRL	7.9		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Ethylbenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Freon-113	BRL	7.9		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Isopropylbenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
m,p-Xylene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Methyl acetate	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Methyl tert-butyl ether	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Methylcyclohexane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Methylene chloride	18	16		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
o-Xylene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Styrene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Tetrachloroethene	46	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Toluene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
trans-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
trans-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Trichloroethene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Trichlorofluoromethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Vinyl chloride	BRL	7.9		ug/Kg-dry	210063	1	07/10/2015 13:29	MD
Surr: 4-Bromofluorobenzene	79	70-128		%REC	210063	1	07/10/2015 13:29	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X010MD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:20:00 AM
Lab ID:	1507504-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	115	78.2-128		%REC	210063	1	07/10/2015 13:29	MD
Surr: Toluene-d8	98.1	76.5-116		%REC	210063	1	07/10/2015 13:29	MD
PERCENT MOISTURE D2216								
Percent Moisture	25.9	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:30:00 AM
Lab ID:	1507504-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2,4-Dichlorophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2,4-Dinitrotoluene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2,6-Dinitrotoluene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2-Chloronaphthalene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2-Methylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
2-Nitrophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
3,3′-Dichlorobenzidine	BRL	810		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
4-Bromophenyl phenyl ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
4-Chloroaniline	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
4-Chlorophenyl phenyl ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
4-Methylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Acenaphthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Acenaphthylene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Acetophenone	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Anthracene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Atrazine	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Benzaldehyde	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Bis(2-chloroethoxy)methane	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Bis(2-chloroethyl)ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Bis(2-chloroisopropyl)ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Bis(2-ethylhexyl)phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Butyl benzyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Caprolactam	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:30:00 AM
Lab ID:	1507504-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Chrysene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Di-n-butyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Di-n-octyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Dibenzofuran	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Diethyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Dimethyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Fluoranthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Fluorene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Hexachlorobenzene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Hexachlorobutadiene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Hexachlorocyclopentadiene	BRL	800		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Hexachloroethane	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Isophorone	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
N-Nitrosodi-n-propylamine	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
N-Nitrosodiphenylamine	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Naphthalene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Nitrobenzene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Phenanthrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Phenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Pyrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 20:00	YH
Surr: 2,4,6-Tribromophenol	71	41-128		%REC	209963	1	07/10/2015 20:00	YH
Surr: 2-Fluorobiphenyl	58.4	47-120		%REC	209963	1	07/10/2015 20:00	YH
Surr: 2-Fluorophenol	44.2	38.3-120		%REC	209963	1	07/10/2015 20:00	YH
Surr: 4-Terphenyl-d14	62.8	51.4-125		%REC	209963	1	07/10/2015 20:00	YH
Surr: Nitrobenzene-d5	47.3	40.1-120		%REC	209963	1	07/10/2015 20:00	YH
Surr: Phenol-d5	50.9	40.3-120		%REC	209963	1	07/10/2015 20:00	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,1,2,2-Tetrachloroethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,1,2-Trichloroethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,1-Dichloroethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,1-Dichloroethene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,2,4-Trichlorobenzene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,2-Dibromo-3-chloropropane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,2-Dibromoethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,2-Dichlorobenzene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:30:00 AM
Lab ID:	1507504-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,2-Dichloropropane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,3-Dichlorobenzene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
1,4-Dichlorobenzene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
2-Butanone	BRL	32		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
2-Hexanone	BRL	6.5		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
4-Methyl-2-pentanone	BRL	6.5		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Acetone	BRL	65		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Benzene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Bromodichloromethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Bromoform	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Bromomethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Carbon disulfide	BRL	6.5		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Carbon tetrachloride	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Chlorobenzene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Chloroethane	BRL	6.5		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Chloroform	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Chloromethane	BRL	6.5		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
cis-1,2-Dichloroethene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
cis-1,3-Dichloropropene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Cyclohexane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Dibromochloromethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Dichlorodifluoromethane	BRL	6.5		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Ethylbenzene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Freon-113	BRL	6.5		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Isopropylbenzene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
m,p-Xylene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Methyl acetate	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Methyl tert-butyl ether	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Methylcyclohexane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Methylene chloride	15	13		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
o-Xylene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Styrene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Tetrachloroethene	210	190		ug/Kg-dry	210095	50	07/13/2015 18:58	TH
Toluene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
trans-1,2-Dichloroethene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
trans-1,3-Dichloropropene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Trichloroethene	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Trichlorofluoromethane	BRL	3.2		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Vinyl chloride	BRL	6.5		ug/Kg-dry	210063	1	07/10/2015 13:54	MD
Surr: 4-Bromofluorobenzene	90	70-128		%REC	210095	50	07/13/2015 18:58	TH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-03X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:30:00 AM
Lab ID:	1507504-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: 4-Bromofluorobenzene	73.5	70-128		%REC	210063	1	07/10/2015 13:54	MD
Surr: Dibromofluoromethane	82.3	78.2-128		%REC	210095	50	07/13/2015 18:58	TH
Surr: Dibromofluoromethane	114	78.2-128		%REC	210063	1	07/10/2015 13:54	MD
Surr: Toluene-d8	93.2	76.5-116		%REC	210095	50	07/13/2015 18:58	TH
Surr: Toluene-d8	98.5	76.5-116		%REC	210063	1	07/10/2015 13:54	MD
PERCENT MOISTURE D2216								
Percent Moisture	17.2	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:35:00 AM
Lab ID:	1507504-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2,4,5-Trichlorophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2,4,6-Trichlorophenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2,4-Dichlorophenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2,4-Dimethylphenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2,4-Dinitrophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2,4-Dinitrotoluene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2,6-Dinitrotoluene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2-Chloronaphthalene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2-Chlorophenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2-Methylnaphthalene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2-Methylphenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2-Nitroaniline	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
2-Nitrophenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
3,3′-Dichlorobenzidine	BRL	760		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
3-Nitroaniline	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
4,6-Dinitro-2-methylphenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
4-Bromophenyl phenyl ether	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
4-Chloro-3-methylphenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
4-Chloroaniline	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
4-Chlorophenyl phenyl ether	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
4-Methylphenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
4-Nitroaniline	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
4-Nitrophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Acenaphthene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Acenaphthylene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Acetophenone	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Anthracene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Atrazine	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Benz(a)anthracene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Benzaldehyde	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Benzo(a)pyrene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Bis(2-chloroethoxy)methane	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Bis(2-chloroethyl)ether	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Bis(2-chloroisopropyl)ether	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Bis(2-ethylhexyl)phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Butyl benzyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Caprolactam	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:35:00 AM
Lab ID:	1507504-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Chrysene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Di-n-butyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Di-n-octyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Dibenzofuran	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Diethyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Dimethyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Fluoranthene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Fluorene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Hexachlorobenzene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Hexachlorobutadiene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Hexachlorocyclopentadiene	BRL	750		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Hexachloroethane	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Isophorone	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
N-Nitrosodi-n-propylamine	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
N-Nitrosodiphenylamine	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Naphthalene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Nitrobenzene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Pentachlorophenol	BRL	1900		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Phenanthrene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Phenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Pyrene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 16:54	YH
Surr: 2,4,6-Tribromophenol	74.9	41-128		%REC	209963	1	07/10/2015 16:54	YH
Surr: 2-Fluorobiphenyl	73.7	47-120		%REC	209963	1	07/10/2015 16:54	YH
Surr: 2-Fluorophenol	64.8	38.3-120		%REC	209963	1	07/10/2015 16:54	YH
Surr: 4-Terphenyl-d14	79.3	51.4-125		%REC	209963	1	07/10/2015 16:54	YH
Surr: Nitrobenzene-d5	77.1	40.1-120		%REC	209963	1	07/10/2015 16:54	YH
Surr: Phenol-d5	77.5	40.3-120		%REC	209963	1	07/10/2015 16:54	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,1,2,2-Tetrachloroethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,1,2-Trichloroethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,1-Dichloroethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,1-Dichloroethene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,2,4-Trichlorobenzene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,2-Dibromo-3-chloropropane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,2-Dibromoethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,2-Dichlorobenzene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:35:00 AM
Lab ID:	1507504-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,2-Dichloropropane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,3-Dichlorobenzene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
1,4-Dichlorobenzene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
2-Butanone	BRL	31		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
2-Hexanone	BRL	6.3		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
4-Methyl-2-pentanone	BRL	6.3		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Acetone	BRL	63		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Benzene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Bromodichloromethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Bromoform	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Bromomethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Carbon disulfide	BRL	6.3		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Carbon tetrachloride	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Chlorobenzene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Chloroethane	BRL	6.3		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Chloroform	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Chloromethane	BRL	6.3		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
cis-1,2-Dichloroethene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
cis-1,3-Dichloropropene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Cyclohexane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Dibromochloromethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Dichlorodifluoromethane	BRL	6.3		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Ethylbenzene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Freon-113	BRL	6.3		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Isopropylbenzene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
m,p-Xylene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Methyl acetate	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Methyl tert-butyl ether	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Methylcyclohexane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Methylene chloride	17	13		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
o-Xylene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Styrene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Tetrachloroethene	14	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Toluene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
trans-1,2-Dichloroethene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
trans-1,3-Dichloropropene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Trichloroethene	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Trichlorofluoromethane	BRL	3.1		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Vinyl chloride	BRL	6.3		ug/Kg-dry	210063	1	07/10/2015 14:20	MD
Surr: 4-Bromofluorobenzene	79.8	70-128		%REC	210063	1	07/10/2015 14:20	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:35:00 AM
Lab ID:	1507504-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	111	78.2-128		%REC	210063	1	07/10/2015 14:20	MD
Surr: Toluene-d8	97.3	76.5-116		%REC	210063	1	07/10/2015 14:20	MD
PERCENT MOISTURE D2216								
Percent Moisture	12.1	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:40:00 AM
Lab ID:	1507504-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2,4,6-Trichlorophenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2,4-Dichlorophenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2,4-Dimethylphenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2,4-Dinitrotoluene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2,6-Dinitrotoluene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2-Chloronaphthalene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2-Chlorophenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2-Methylnaphthalene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2-Methylphenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
2-Nitrophenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
3,3′-Dichlorobenzidine	BRL	780		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
4-Bromophenyl phenyl ether	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
4-Chloro-3-methylphenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
4-Chloroaniline	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
4-Chlorophenyl phenyl ether	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
4-Methylphenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Acenaphthene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Acenaphthylene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Acetophenone	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Anthracene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Atrazine	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Benz(a)anthracene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Benzaldehyde	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Benzo(a)pyrene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Bis(2-chloroethoxy)methane	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Bis(2-chloroethyl)ether	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Bis(2-chloroisopropyl)ether	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Bis(2-ethylhexyl)phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Butyl benzyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Caprolactam	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:40:00 AM
Lab ID:	1507504-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Chrysene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Di-n-butyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Di-n-octyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Dibenzofuran	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Diethyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Dimethyl phthalate	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Fluoranthene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Fluorene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Hexachlorobenzene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Hexachlorobutadiene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Hexachlorocyclopentadiene	BRL	770		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Hexachloroethane	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Isophorone	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
N-Nitrosodi-n-propylamine	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
N-Nitrosodiphenylamine	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Naphthalene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Nitrobenzene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Phenanthrene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Phenol	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Pyrene	BRL	380		ug/Kg-dry	209963	1	07/10/2015 17:19	YH
Surr: 2,4,6-Tribromophenol	65	41-128		%REC	209963	1	07/10/2015 17:19	YH
Surr: 2-Fluorobiphenyl	65.9	47-120		%REC	209963	1	07/10/2015 17:19	YH
Surr: 2-Fluorophenol	63	38.3-120		%REC	209963	1	07/10/2015 17:19	YH
Surr: 4-Terphenyl-d14	69.9	51.4-125		%REC	209963	1	07/10/2015 17:19	YH
Surr: Nitrobenzene-d5	70.7	40.1-120		%REC	209963	1	07/10/2015 17:19	YH
Surr: Phenol-d5	73.8	40.3-120		%REC	209963	1	07/10/2015 17:19	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,1,2,2-Tetrachloroethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,1,2-Trichloroethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,1-Dichloroethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,1-Dichloroethene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,2,4-Trichlorobenzene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,2-Dibromo-3-chloropropane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,2-Dibromoethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,2-Dichlorobenzene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:40:00 AM
Lab ID:	1507504-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,2-Dichloropropane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,3-Dichlorobenzene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
1,4-Dichlorobenzene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
2-Butanone	BRL	35		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
2-Hexanone	BRL	7.0		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
4-Methyl-2-pentanone	BRL	7.0		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Acetone	BRL	70		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Benzene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Bromodichloromethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Bromoform	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Bromomethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Carbon disulfide	BRL	7.0		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Carbon tetrachloride	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Chlorobenzene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Chloroethane	BRL	7.0		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Chloroform	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Chloromethane	BRL	7.0		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
cis-1,2-Dichloroethene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
cis-1,3-Dichloropropene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Cyclohexane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Dibromochloromethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Dichlorodifluoromethane	BRL	7.0		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Ethylbenzene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Freon-113	BRL	7.0		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Isopropylbenzene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
m,p-Xylene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Methyl acetate	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Methyl tert-butyl ether	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Methylcyclohexane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Methylene chloride	16	14		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
o-Xylene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Styrene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Tetrachloroethene	5.6	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Toluene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
trans-1,2-Dichloroethene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
trans-1,3-Dichloropropene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Trichloroethene	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Trichlorofluoromethane	BRL	3.5		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Vinyl chloride	BRL	7.0		ug/Kg-dry	210063	1	07/10/2015 14:45	MD
Surr: 4-Bromofluorobenzene	71.3	70-128		%REC	210063	1	07/10/2015 14:45	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:40:00 AM
Lab ID:	1507504-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	121	78.2-128		%REC	210063	1	07/10/2015 14:45	MD
Surr: Toluene-d8	99	76.5-116		%REC	210063	1	07/10/2015 14:45	MD
PERCENT MOISTURE D2216								
Percent Moisture	14.0	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X005XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:40:00 AM
Lab ID:	1507504-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2,4,6-Trichlorophenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2,4-Dichlorophenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2,4-Dimethylphenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2,4-Dinitrotoluene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2,6-Dinitrotoluene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2-Chloronaphthalene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2-Chlorophenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2-Methylnaphthalene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2-Methylphenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
2-Nitrophenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
3,3′-Dichlorobenzidine	BRL	800		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
4-Bromophenyl phenyl ether	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
4-Chloro-3-methylphenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
4-Chloroaniline	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
4-Chlorophenyl phenyl ether	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
4-Methylphenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Acenaphthene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Acenaphthylene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Acetophenone	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Anthracene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Atrazine	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Benz(a)anthracene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Benzaldehyde	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Benzo(a)pyrene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Benzo(g,h,i)perylene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Bis(2-chloroethoxy)methane	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Bis(2-chloroethyl)ether	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Bis(2-chloroisopropyl)ether	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Bis(2-ethylhexyl)phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Butyl benzyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Caprolactam	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X005XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:40:00 AM
Lab ID:	1507504-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Chrysene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Di-n-butyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Di-n-octyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Dibenzofuran	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Diethyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Dimethyl phthalate	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Fluoranthene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Fluorene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Hexachlorobenzene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Hexachlorobutadiene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Hexachlorocyclopentadiene	BRL	780		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Hexachloroethane	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Isophorone	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
N-Nitrosodi-n-propylamine	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
N-Nitrosodiphenylamine	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Naphthalene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Nitrobenzene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Phenanthrene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Phenol	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Pyrene	BRL	390		ug/Kg-dry	209963	1	07/10/2015 17:45	YH
Surr: 2,4,6-Tribromophenol	59.3	41-128		%REC	209963	1	07/10/2015 17:45	YH
Surr: 2-Fluorobiphenyl	58.9	47-120		%REC	209963	1	07/10/2015 17:45	YH
Surr: 2-Fluorophenol	53.9	38.3-120		%REC	209963	1	07/10/2015 17:45	YH
Surr: 4-Terphenyl-d14	66.4	51.4-125		%REC	209963	1	07/10/2015 17:45	YH
Surr: Nitrobenzene-d5	63.3	40.1-120		%REC	209963	1	07/10/2015 17:45	YH
Surr: Phenol-d5	64	40.3-120		%REC	209963	1	07/10/2015 17:45	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,1,2,2-Tetrachloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,1,2-Trichloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,1-Dichloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,1-Dichloroethene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,2,4-Trichlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,2-Dibromo-3-chloropropane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,2-Dibromoethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,2-Dichlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X005XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:40:00 AM
Lab ID:	1507504-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,2-Dichloropropane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,3-Dichlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
1,4-Dichlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
2-Butanone	BRL	33		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
2-Hexanone	BRL	6.6		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
4-Methyl-2-pentanone	BRL	6.6		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Acetone	BRL	66		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Benzene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Bromodichloromethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Bromoform	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Bromomethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Carbon disulfide	BRL	6.6		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Carbon tetrachloride	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Chlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Chloroethane	BRL	6.6		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Chloroform	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Chloromethane	BRL	6.6		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
cis-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
cis-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Cyclohexane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Dibromochloromethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Dichlorodifluoromethane	BRL	6.6		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Ethylbenzene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Freon-113	BRL	6.6		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Isopropylbenzene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
m,p-Xylene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Methyl acetate	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Methyl tert-butyl ether	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Methylcyclohexane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Methylene chloride	13	13		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
o-Xylene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Styrene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Tetrachloroethene	100	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Toluene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
trans-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
trans-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Trichloroethene	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Trichlorofluoromethane	BRL	3.3		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Vinyl chloride	BRL	6.6		ug/Kg-dry	210063	1	07/10/2015 15:11	MD
Surr: 4-Bromofluorobenzene	74.5	70-128		%REC	210063	1	07/10/2015 15:11	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X005XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:40:00 AM
Lab ID:	1507504-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	113	78.2-128		%REC	210063	1	07/10/2015 15:11	MD
Surr: Toluene-d8	93.9	76.5-116		%REC	210063	1	07/10/2015 15:11	MD
PERCENT MOISTURE D2216								
Percent Moisture	15.8	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:45:00 AM
Lab ID:	1507504-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2,4-Dichlorophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2,4-Dinitrotoluene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2,6-Dinitrotoluene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2-Chloronaphthalene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2-Methylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
2-Nitrophenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
3,3′-Dichlorobenzidine	BRL	820		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
4-Bromophenyl phenyl ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
4-Chloroaniline	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
4-Chlorophenyl phenyl ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
4-Methylphenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Acenaphthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Acenaphthylene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Acetophenone	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Anthracene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Atrazine	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Benzaldehyde	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Bis(2-chloroethoxy)methane	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Bis(2-chloroethyl)ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Bis(2-chloroisopropyl)ether	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Bis(2-ethylhexyl)phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Butyl benzyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Caprolactam	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:45:00 AM
Lab ID:	1507504-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Chrysene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Di-n-butyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Di-n-octyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Dibenzofuran	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Diethyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Dimethyl phthalate	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Fluoranthene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Fluorene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Hexachlorobenzene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Hexachlorobutadiene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Hexachlorocyclopentadiene	BRL	810		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Hexachloroethane	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Isophorone	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
N-Nitrosodi-n-propylamine	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
N-Nitrosodiphenylamine	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Naphthalene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Nitrobenzene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Phenanthrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Phenol	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Pyrene	BRL	400		ug/Kg-dry	209963	1	07/10/2015 18:11	YH
Surr: 2,4,6-Tribromophenol	64.8	41-128		%REC	209963	1	07/10/2015 18:11	YH
Surr: 2-Fluorobiphenyl	66.8	47-120		%REC	209963	1	07/10/2015 18:11	YH
Surr: 2-Fluorophenol	64.6	38.3-120		%REC	209963	1	07/10/2015 18:11	YH
Surr: 4-Terphenyl-d14	68.9	51.4-125		%REC	209963	1	07/10/2015 18:11	YH
Surr: Nitrobenzene-d5	75.1	40.1-120		%REC	209963	1	07/10/2015 18:11	YH
Surr: Phenol-d5	73.4	40.3-120		%REC	209963	1	07/10/2015 18:11	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,1,2,2-Tetrachloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,1,2-Trichloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,1-Dichloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,2,4-Trichlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,2-Dibromo-3-chloropropane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,2-Dibromoethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,2-Dichlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:45:00 AM
Lab ID:	1507504-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,2-Dichloropropane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,3-Dichlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
1,4-Dichlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
2-Butanone	BRL	40		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
2-Hexanone	BRL	8.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
4-Methyl-2-pentanone	BRL	8.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Acetone	BRL	80		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Benzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Bromodichloromethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Bromoform	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Bromomethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Carbon disulfide	BRL	8.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Carbon tetrachloride	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Chlorobenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Chloroethane	BRL	8.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Chloroform	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Chloromethane	BRL	8.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
cis-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
cis-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Cyclohexane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Dibromochloromethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Dichlorodifluoromethane	BRL	8.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Ethylbenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Freon-113	BRL	8.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Isopropylbenzene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
m,p-Xylene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Methyl acetate	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Methyl tert-butyl ether	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Methylcyclohexane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Methylene chloride	17	16		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
o-Xylene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Styrene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Tetrachloroethene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Toluene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
trans-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
trans-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Trichloroethene	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Trichlorofluoromethane	BRL	4.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Vinyl chloride	BRL	8.0		ug/Kg-dry	210063	1	07/10/2015 15:36	MD
Surr: 4-Bromofluorobenzene	75.1	70-128		%REC	210063	1	07/10/2015 15:36	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:45:00 AM
Lab ID:	1507504-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	113	78.2-128		%REC	210063	1	07/10/2015 15:36	MD
Surr: Toluene-d8	94.6	76.5-116		%REC	210063	1	07/10/2015 15:36	MD
PERCENT MOISTURE D2216								
Percent Moisture	18.5	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:45:00 AM
Lab ID:	1507504-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2,4-Dichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2,4-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2,6-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2-Chloronaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
2-Nitrophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
3,3′-Dichlorobenzidine	BRL	820		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
4-Bromophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
4-Chloroaniline	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
4-Chlorophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
4-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Acenaphthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Acenaphthylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Acetophenone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Atrazine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Benzaldehyde	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Bis(2-chloroethoxy)methane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Bis(2-chloroethyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Bis(2-chloroisopropyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Bis(2-ethylhexyl)phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Butyl benzyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Caprolactam	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
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- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:45:00 AM
Lab ID:	1507504-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Chrysene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Di-n-butyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Di-n-octyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Dibenzofuran	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Diethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Dimethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Fluorene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Hexachlorobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Hexachlorobutadiene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Hexachlorocyclopentadiene	BRL	800		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Hexachloroethane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Isophorone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
N-Nitrosodi-n-propylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
N-Nitrosodiphenylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Naphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Nitrobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Phenanthrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Phenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 15:39	YH
Surr: 2,4,6-Tribromophenol	62.9	41-128		%REC	209964	1	07/10/2015 15:39	YH
Surr: 2-Fluorobiphenyl	69	47-120		%REC	209964	1	07/10/2015 15:39	YH
Surr: 2-Fluorophenol	61.6	38.3-120		%REC	209964	1	07/10/2015 15:39	YH
Surr: 4-Terphenyl-d14	85.6	51.4-125		%REC	209964	1	07/10/2015 15:39	YH
Surr: Nitrobenzene-d5	69.1	40.1-120		%REC	209964	1	07/10/2015 15:39	YH
Surr: Phenol-d5	66.6	40.3-120		%REC	209964	1	07/10/2015 15:39	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,1,2,2-Tetrachloroethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,1,2-Trichloroethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,1-Dichloroethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,1-Dichloroethene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,2,4-Trichlorobenzene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,2-Dibromo-3-chloropropane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,2-Dibromoethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,2-Dichlorobenzene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD

Qualifiers:

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- BRL Below reporting limit
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- N Analyte not NELAC certified
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- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:45:00 AM
Lab ID:	1507504-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,2-Dichloropropane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,3-Dichlorobenzene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
1,4-Dichlorobenzene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
2-Butanone	BRL	37		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
2-Hexanone	BRL	7.4		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
4-Methyl-2-pentanone	BRL	7.4		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Acetone	BRL	74		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Benzene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Bromodichloromethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Bromoform	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Bromomethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Carbon disulfide	BRL	7.4		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Carbon tetrachloride	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Chlorobenzene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Chloroethane	BRL	7.4		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Chloroform	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Chloromethane	BRL	7.4		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
cis-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
cis-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Cyclohexane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Dibromochloromethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Dichlorodifluoromethane	BRL	7.4		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Ethylbenzene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Freon-113	BRL	7.4		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Isopropylbenzene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
m,p-Xylene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Methyl acetate	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Methyl tert-butyl ether	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Methylcyclohexane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Methylene chloride	16	15		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
o-Xylene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Styrene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Tetrachloroethene	130	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Toluene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
trans-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
trans-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Trichloroethene	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Trichlorofluoromethane	BRL	3.7		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Vinyl chloride	BRL	7.4		ug/Kg-dry	210063	1	07/10/2015 16:02	MD
Surr: 4-Bromofluorobenzene	78.7	70-128		%REC	210063	1	07/10/2015 16:02	MD

Qualifiers:

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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 11:45:00 AM
Lab ID:	1507504-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	116	78.2-128		%REC	210063	1	07/10/2015 16:02	MD
Surr: Toluene-d8	99.1	76.5-116		%REC	210063	1	07/10/2015 16:02	MD
PERCENT MOISTURE D2216								
Percent Moisture	17.9	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:00:00 PM
Lab ID:	1507504-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2,4-Dichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2,4-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2,6-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2-Chloronaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
2-Nitrophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
3,3′-Dichlorobenzidine	BRL	810		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
4-Bromophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
4-Chloroaniline	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
4-Chlorophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
4-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Acenaphthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Acenaphthylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Acetophenone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Atrazine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Benzaldehyde	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Bis(2-chloroethoxy)methane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Bis(2-chloroethyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Bis(2-chloroisopropyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Bis(2-ethylhexyl)phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Butyl benzyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Caprolactam	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
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Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:00:00 PM
Lab ID:	1507504-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Chrysene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Di-n-butyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Di-n-octyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Dibenzofuran	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Diethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Dimethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Fluorene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Hexachlorobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Hexachlorobutadiene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Hexachlorocyclopentadiene	BRL	800		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Hexachloroethane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Isophorone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
N-Nitrosodi-n-propylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
N-Nitrosodiphenylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Naphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Nitrobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Phenanthrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Phenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 17:29	YH
Surr: 2,4,6-Tribromophenol	63.6	41-128		%REC	209964	1	07/10/2015 17:29	YH
Surr: 2-Fluorobiphenyl	66.6	47-120		%REC	209964	1	07/10/2015 17:29	YH
Surr: 2-Fluorophenol	63.1	38.3-120		%REC	209964	1	07/10/2015 17:29	YH
Surr: 4-Terphenyl-d14	87.9	51.4-125		%REC	209964	1	07/10/2015 17:29	YH
Surr: Nitrobenzene-d5	67.9	40.1-120		%REC	209964	1	07/10/2015 17:29	YH
Surr: Phenol-d5	69.8	40.3-120		%REC	209964	1	07/10/2015 17:29	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,1,2,2-Tetrachloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,1,2-Trichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,1-Dichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,1-Dichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,2,4-Trichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,2-Dibromo-3-chloropropane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,2-Dibromoethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,2-Dichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:00:00 PM
Lab ID:	1507504-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,2-Dichloropropane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,3-Dichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
1,4-Dichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
2-Butanone	BRL	44		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
2-Hexanone	BRL	8.9		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
4-Methyl-2-pentanone	BRL	8.9		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Acetone	BRL	89		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Benzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Bromodichloromethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Bromoform	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Bromomethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Carbon disulfide	BRL	8.9		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Carbon tetrachloride	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Chlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Chloroethane	BRL	8.9		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Chloroform	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Chloromethane	BRL	8.9		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
cis-1,2-Dichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
cis-1,3-Dichloropropene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Cyclohexane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Dibromochloromethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Dichlorodifluoromethane	BRL	8.9		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Ethylbenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Freon-113	BRL	8.9		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Isopropylbenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
m,p-Xylene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Methyl acetate	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Methyl tert-butyl ether	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Methylcyclohexane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Methylene chloride	BRL	18		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
o-Xylene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Styrene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Tetrachloroethene	120	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Toluene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
trans-1,2-Dichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
trans-1,3-Dichloropropene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Trichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Trichlorofluoromethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Vinyl chloride	BRL	8.9		ug/Kg-dry	210063	1	07/10/2015 16:27	MD
Surr: 4-Bromofluorobenzene	76.7	70-128		%REC	210063	1	07/10/2015 16:27	MD

Qualifiers:

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- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-04X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:00:00 PM
Lab ID:	1507504-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	119	78.2-128		%REC	210063	1	07/10/2015 16:27	MD
Surr: Toluene-d8	97.9	76.5-116		%REC	210063	1	07/10/2015 16:27	MD
PERCENT MOISTURE D2216								
Percent Moisture	17.7	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:05:00 PM
Lab ID:	1507504-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2,4,5-Trichlorophenol	BRL	2300		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2,4,6-Trichlorophenol	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2,4-Dichlorophenol	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2,4-Dimethylphenol	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2,4-Dinitrotoluene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2,6-Dinitrotoluene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2-Chloronaphthalene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2-Chlorophenol	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2-Methylnaphthalene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2-Methylphenol	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2-Nitroaniline	BRL	2300		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
2-Nitrophenol	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
3,3′-Dichlorobenzidine	BRL	900		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
3-Nitroaniline	BRL	2300		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
4,6-Dinitro-2-methylphenol	BRL	2300		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
4-Bromophenyl phenyl ether	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
4-Chloro-3-methylphenol	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
4-Chloroaniline	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
4-Chlorophenyl phenyl ether	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
4-Methylphenol	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
4-Nitroaniline	BRL	2300		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
4-Nitrophenol	BRL	2300		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Acenaphthene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Acenaphthylene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Acetophenone	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Anthracene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Atrazine	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Benz(a)anthracene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Benzaldehyde	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Benzo(a)pyrene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Benzo(b)fluoranthene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Benzo(g,h,i)perylene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Benzo(k)fluoranthene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Bis(2-chloroethoxy)methane	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Bis(2-chloroethyl)ether	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Bis(2-chloroisopropyl)ether	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Bis(2-ethylhexyl)phthalate	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Butyl benzyl phthalate	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Caprolactam	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:05:00 PM
Lab ID:	1507504-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Chrysene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Di-n-butyl phthalate	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Di-n-octyl phthalate	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Dibenzofuran	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Diethyl phthalate	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Dimethyl phthalate	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Fluoranthene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Fluorene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Hexachlorobenzene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Hexachlorobutadiene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Hexachlorocyclopentadiene	BRL	890		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Hexachloroethane	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Isophorone	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
N-Nitrosodi-n-propylamine	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
N-Nitrosodiphenylamine	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Naphthalene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Nitrobenzene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Pentachlorophenol	BRL	2300		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Phenanthrene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Phenol	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Pyrene	BRL	440		ug/Kg-dry	209964	1	07/10/2015 17:56	YH
Surr: 2,4,6-Tribromophenol	64.7	41-128		%REC	209964	1	07/10/2015 17:56	YH
Surr: 2-Fluorobiphenyl	70.4	47-120		%REC	209964	1	07/10/2015 17:56	YH
Surr: 2-Fluorophenol	64.4	38.3-120		%REC	209964	1	07/10/2015 17:56	YH
Surr: 4-Terphenyl-d14	90	51.4-125		%REC	209964	1	07/10/2015 17:56	YH
Surr: Nitrobenzene-d5	76.3	40.1-120		%REC	209964	1	07/10/2015 17:56	YH
Surr: Phenol-d5	74	40.3-120		%REC	209964	1	07/10/2015 17:56	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,1,2,2-Tetrachloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,1,2-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,2,4-Trichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,2-Dibromo-3-chloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,2-Dibromoethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,2-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:05:00 PM
Lab ID:	1507504-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,2-Dichloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,3-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
1,4-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
2-Butanone	BRL	42		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
2-Hexanone	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
4-Methyl-2-pentanone	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Acetone	BRL	84		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Benzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Bromodichloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Bromoform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Bromomethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Carbon disulfide	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Carbon tetrachloride	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Chlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Chloroethane	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Chloroform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Chloromethane	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
cis-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
cis-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Cyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Dibromochloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Dichlorodifluoromethane	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Ethylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Freon-113	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Isopropylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
m,p-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Methyl acetate	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Methyl tert-butyl ether	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Methylcyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Methylene chloride	20	17		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
o-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Styrene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Tetrachloroethene	210	4.2	E	ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Toluene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
trans-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
trans-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Trichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Trichlorofluoromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Vinyl chloride	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 16:53	MD
Surr: 4-Bromofluorobenzene	79.6	70-128		%REC	210063	1	07/10/2015 16:53	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:05:00 PM
Lab ID:	1507504-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	121	78.2-128		%REC	210063	1	07/10/2015 16:53	MD
Surr: Toluene-d8	97.2	76.5-116		%REC	210063	1	07/10/2015 16:53	MD
PERCENT MOISTURE D2216								
Percent Moisture	25.9	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:10:00 PM
Lab ID:	1507504-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2,4,6-Trichlorophenol	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2,4-Dichlorophenol	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2,4-Dimethylphenol	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2,4-Dinitrotoluene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2,6-Dinitrotoluene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2-Chloronaphthalene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2-Chlorophenol	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2-Methylnaphthalene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2-Methylphenol	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
2-Nitrophenol	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
3,3′-Dichlorobenzidine	BRL	820		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
4-Bromophenyl phenyl ether	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
4-Chloro-3-methylphenol	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
4-Chloroaniline	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
4-Chlorophenyl phenyl ether	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
4-Methylphenol	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Acenaphthene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Acenaphthylene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Acetophenone	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Anthracene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Atrazine	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Benz(a)anthracene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Benzaldehyde	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Benzo(a)pyrene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Benzo(g,h,i)perylene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Bis(2-chloroethoxy)methane	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Bis(2-chloroethyl)ether	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Bis(2-chloroisopropyl)ether	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Bis(2-ethylhexyl)phthalate	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Butyl benzyl phthalate	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Caprolactam	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:10:00 PM
Lab ID:	1507504-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Chrysene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Di-n-butyl phthalate	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Di-n-octyl phthalate	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Dibenzofuran	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Diethyl phthalate	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Dimethyl phthalate	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Fluoranthene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Fluorene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Hexachlorobenzene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Hexachlorobutadiene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Hexachlorocyclopentadiene	BRL	810		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Hexachloroethane	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Isophorone	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
N-Nitrosodi-n-propylamine	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
N-Nitrosodiphenylamine	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Naphthalene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Nitrobenzene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Phenanthrene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Phenol	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Pyrene	BRL	410		ug/Kg-dry	209964	1	07/10/2015 18:22	YH
Surr: 2,4,6-Tribromophenol	58.2	41-128		%REC	209964	1	07/10/2015 18:22	YH
Surr: 2-Fluorobiphenyl	63	47-120		%REC	209964	1	07/10/2015 18:22	YH
Surr: 2-Fluorophenol	57.4	38.3-120		%REC	209964	1	07/10/2015 18:22	YH
Surr: 4-Terphenyl-d14	84	51.4-125		%REC	209964	1	07/10/2015 18:22	YH
Surr: Nitrobenzene-d5	66.9	40.1-120		%REC	209964	1	07/10/2015 18:22	YH
Surr: Phenol-d5	63.3	40.3-120		%REC	209964	1	07/10/2015 18:22	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,1,2,2-Tetrachloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,1,2-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,2,4-Trichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,2-Dibromo-3-chloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,2-Dibromoethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,2-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:10:00 PM
Lab ID:	1507504-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,2-Dichloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,3-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
1,4-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
2-Butanone	BRL	42		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
2-Hexanone	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
4-Methyl-2-pentanone	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Acetone	BRL	85		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Benzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Bromodichloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Bromoform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Bromomethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Carbon disulfide	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Carbon tetrachloride	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Chlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Chloroethane	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Chloroform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Chloromethane	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
cis-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
cis-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Cyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Dibromochloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Dichlorodifluoromethane	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Ethylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Freon-113	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Isopropylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
m,p-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Methyl acetate	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Methyl tert-butyl ether	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Methylcyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Methylene chloride	29	17		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
o-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Styrene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Tetrachloroethene	13	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Toluene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
trans-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
trans-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Trichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Trichlorofluoromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Vinyl chloride	BRL	8.5		ug/Kg-dry	210063	1	07/10/2015 17:18	MD
Surr: 4-Bromofluorobenzene	79.6	70-128		%REC	210063	1	07/10/2015 17:18	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:10:00 PM
Lab ID:	1507504-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	117	78.2-128		%REC	210063	1	07/10/2015 17:18	MD
Surr: Toluene-d8	98.2	76.5-116		%REC	210063	1	07/10/2015 17:18	MD
PERCENT MOISTURE D2216								
Percent Moisture	18.7	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:15:00 PM
Lab ID:	1507504-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2,4,5-Trichlorophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2,4-Dichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2,4-Dinitrophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2,4-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2,6-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2-Chloronaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
2-Nitrophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
3,3′-Dichlorobenzidine	BRL	810		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
3-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
4,6-Dinitro-2-methylphenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
4-Bromophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
4-Chloroaniline	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
4-Chlorophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
4-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
4-Nitroaniline	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
4-Nitrophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Acenaphthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Acenaphthylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Acetophenone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Atrazine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Benzaldehyde	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Bis(2-chloroethoxy)methane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Bis(2-chloroethyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Bis(2-chloroisopropyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Bis(2-ethylhexyl)phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Butyl benzyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Caprolactam	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:15:00 PM
Lab ID:	1507504-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Chrysene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Di-n-butyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Di-n-octyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Dibenzofuran	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Diethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Dimethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Fluorene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Hexachlorobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Hexachlorobutadiene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Hexachlorocyclopentadiene	BRL	800		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Hexachloroethane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Isophorone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
N-Nitrosodi-n-propylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
N-Nitrosodiphenylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Naphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Nitrobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Pentachlorophenol	BRL	2100		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Phenanthrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Phenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 18:49	YH
Surr: 2,4,6-Tribromophenol	63.3	41-128		%REC	209964	1	07/10/2015 18:49	YH
Surr: 2-Fluorobiphenyl	68.9	47-120		%REC	209964	1	07/10/2015 18:49	YH
Surr: 2-Fluorophenol	59.1	38.3-120		%REC	209964	1	07/10/2015 18:49	YH
Surr: 4-Terphenyl-d14	85.6	51.4-125		%REC	209964	1	07/10/2015 18:49	YH
Surr: Nitrobenzene-d5	69.4	40.1-120		%REC	209964	1	07/10/2015 18:49	YH
Surr: Phenol-d5	68	40.3-120		%REC	209964	1	07/10/2015 18:49	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,1,2,2-Tetrachloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,1,2-Trichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,2,4-Trichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,2-Dibromo-3-chloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,2-Dibromoethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,2-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:15:00 PM
Lab ID:	1507504-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,2-Dichloropropane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,3-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
1,4-Dichlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
2-Butanone	BRL	42		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
2-Hexanone	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
4-Methyl-2-pentanone	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Acetone	BRL	84		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Benzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Bromodichloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Bromoform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Bromomethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Carbon disulfide	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Carbon tetrachloride	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Chlorobenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Chloroethane	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Chloroform	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Chloromethane	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
cis-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
cis-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Cyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Dibromochloromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Dichlorodifluoromethane	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Ethylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Freon-113	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Isopropylbenzene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
m,p-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Methyl acetate	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Methyl tert-butyl ether	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Methylcyclohexane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Methylene chloride	28	17		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
o-Xylene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Styrene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Tetrachloroethene	7.8	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Toluene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
trans-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
trans-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Trichloroethene	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Trichlorofluoromethane	BRL	4.2		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Vinyl chloride	BRL	8.4		ug/Kg-dry	210063	1	07/10/2015 17:44	MD
Surr: 4-Bromofluorobenzene	72.4	70-128		%REC	210063	1	07/10/2015 17:44	MD

Qualifiers:

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- B Analyte detected in the associated method blank
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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:15:00 PM
Lab ID:	1507504-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	116	78.2-128		%REC	210063	1	07/10/2015 17:44	MD
Surr: Toluene-d8	93.9	76.5-116		%REC	210063	1	07/10/2015 17:44	MD
PERCENT MOISTURE D2216								
Percent Moisture	17.3	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:20:00 PM
Lab ID:	1507504-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2,4,5-Trichlorophenol	BRL	1900		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2,4,6-Trichlorophenol	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2,4-Dichlorophenol	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2,4-Dimethylphenol	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2,4-Dinitrophenol	BRL	1900		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2,4-Dinitrotoluene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2,6-Dinitrotoluene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2-Chloronaphthalene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2-Chlorophenol	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2-Methylnaphthalene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2-Methylphenol	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2-Nitroaniline	BRL	1900		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
2-Nitrophenol	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
3,3′-Dichlorobenzidine	BRL	750		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
3-Nitroaniline	BRL	1900		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
4,6-Dinitro-2-methylphenol	BRL	1900		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
4-Bromophenyl phenyl ether	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
4-Chloro-3-methylphenol	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
4-Chloroaniline	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
4-Chlorophenyl phenyl ether	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
4-Methylphenol	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
4-Nitroaniline	BRL	1900		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
4-Nitrophenol	BRL	1900		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Acenaphthene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Acenaphthylene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Acetophenone	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Anthracene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Atrazine	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Benz(a)anthracene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Benzaldehyde	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Benzo(a)pyrene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Benzo(b)fluoranthene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Bis(2-chloroethoxy)methane	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Bis(2-chloroethyl)ether	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Bis(2-chloroisopropyl)ether	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Bis(2-ethylhexyl)phthalate	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Butyl benzyl phthalate	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Caprolactam	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
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- NC Not confirmed
- < Less than Result value
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Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:20:00 PM
Lab ID:	1507504-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Chrysene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Di-n-butyl phthalate	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Di-n-octyl phthalate	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Dibenzofuran	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Diethyl phthalate	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Dimethyl phthalate	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Fluoranthene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Fluorene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Hexachlorobenzene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Hexachlorobutadiene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Hexachlorocyclopentadiene	BRL	740		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Hexachloroethane	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Isophorone	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
N-Nitrosodi-n-propylamine	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
N-Nitrosodiphenylamine	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Naphthalene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Nitrobenzene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Pentachlorophenol	BRL	1900		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Phenanthrene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Phenol	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Pyrene	BRL	370		ug/Kg-dry	209964	1	07/10/2015 19:17	YH
Surr: 2,4,6-Tribromophenol	60.3	41-128		%REC	209964	1	07/10/2015 19:17	YH
Surr: 2-Fluorobiphenyl	61.2	47-120		%REC	209964	1	07/10/2015 19:17	YH
Surr: 2-Fluorophenol	57.2	38.3-120		%REC	209964	1	07/10/2015 19:17	YH
Surr: 4-Terphenyl-d14	86.1	51.4-125		%REC	209964	1	07/10/2015 19:17	YH
Surr: Nitrobenzene-d5	60.2	40.1-120		%REC	209964	1	07/10/2015 19:17	YH
Surr: Phenol-d5	68.5	40.3-120		%REC	209964	1	07/10/2015 19:17	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,1,2,2-Tetrachloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,1,2-Trichloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,1-Dichloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,1-Dichloroethene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,2,4-Trichlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,2-Dibromo-3-chloropropane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,2-Dibromoethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,2-Dichlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:20:00 PM
Lab ID:	1507504-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,2-Dichloropropane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,3-Dichlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
1,4-Dichlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
2-Butanone	BRL	33		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
2-Hexanone	BRL	6.7		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
4-Methyl-2-pentanone	BRL	6.7		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Acetone	BRL	67		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Benzene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Bromodichloromethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Bromoform	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Bromomethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Carbon disulfide	BRL	6.7		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Carbon tetrachloride	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Chlorobenzene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Chloroethane	BRL	6.7		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Chloroform	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Chloromethane	BRL	6.7		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
cis-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
cis-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Cyclohexane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Dibromochloromethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Dichlorodifluoromethane	BRL	6.7		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Ethylbenzene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Freon-113	BRL	6.7		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Isopropylbenzene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
m,p-Xylene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Methyl acetate	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Methyl tert-butyl ether	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Methylcyclohexane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Methylene chloride	20	13		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
o-Xylene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Styrene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Tetrachloroethene	14	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Toluene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
trans-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
trans-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Trichloroethene	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Trichlorofluoromethane	BRL	3.3		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Vinyl chloride	BRL	6.7		ug/Kg-dry	210063	1	07/13/2015 16:00	CG
Surr: 4-Bromofluorobenzene	84.6	70-128		%REC	210063	1	07/13/2015 16:00	CG

Qualifiers:

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- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:20:00 PM
Lab ID:	1507504-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	101	78.2-128		%REC	210063	1	07/13/2015 16:00	CG
Surr: Toluene-d8	94.2	76.5-116		%REC	210063	1	07/13/2015 16:00	CG
PERCENT MOISTURE D2216								
Percent Moisture	10.8	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X015XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:20:00 PM
Lab ID:	1507504-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2,4,5-Trichlorophenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2,4-Dichlorophenol	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2,4-Dinitrotoluene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2,6-Dinitrotoluene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2-Chloronaphthalene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2-Methylphenol	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2-Nitroaniline	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
2-Nitrophenol	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
3,3′-Dichlorobenzidine	BRL	870		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
3-Nitroaniline	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
4,6-Dinitro-2-methylphenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
4-Bromophenyl phenyl ether	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
4-Chloroaniline	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
4-Chlorophenyl phenyl ether	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
4-Methylphenol	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
4-Nitroaniline	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
4-Nitrophenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Acenaphthene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Acenaphthylene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Acetophenone	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Anthracene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Atrazine	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Benzaldehyde	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Bis(2-chloroethoxy)methane	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Bis(2-chloroethyl)ether	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Bis(2-chloroisopropyl)ether	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Bis(2-ethylhexyl)phthalate	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Butyl benzyl phthalate	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Caprolactam	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X015XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:20:00 PM
Lab ID:	1507504-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Chrysene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Di-n-butyl phthalate	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Di-n-octyl phthalate	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Dibenzofuran	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Diethyl phthalate	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Dimethyl phthalate	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Fluoranthene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Fluorene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Hexachlorobenzene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Hexachlorobutadiene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Hexachlorocyclopentadiene	BRL	850		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Hexachloroethane	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Isophorone	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
N-Nitrosodi-n-propylamine	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
N-Nitrosodiphenylamine	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Naphthalene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Nitrobenzene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Phenanthrene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Phenol	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Pyrene	BRL	430		ug/Kg-dry	209964	1	07/10/2015 19:44	YH
Surr: 2,4,6-Tribromophenol	60.8	41-128		%REC	209964	1	07/10/2015 19:44	YH
Surr: 2-Fluorobiphenyl	60.8	47-120		%REC	209964	1	07/10/2015 19:44	YH
Surr: 2-Fluorophenol	53.3	38.3-120		%REC	209964	1	07/10/2015 19:44	YH
Surr: 4-Terphenyl-d14	84.2	51.4-125		%REC	209964	1	07/10/2015 19:44	YH
Surr: Nitrobenzene-d5	61.1	40.1-120		%REC	209964	1	07/10/2015 19:44	YH
Surr: Phenol-d5	64.7	40.3-120		%REC	209964	1	07/10/2015 19:44	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,1,2,2-Tetrachloroethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,1,2-Trichloroethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,2,4-Trichlorobenzene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,2-Dibromo-3-chloropropane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,2-Dibromoethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,2-Dichlorobenzene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
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- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X015XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:20:00 PM
Lab ID:	1507504-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,2-Dichloropropane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,3-Dichlorobenzene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
1,4-Dichlorobenzene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
2-Butanone	BRL	38		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
2-Hexanone	BRL	7.5		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
4-Methyl-2-pentanone	BRL	7.5		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Acetone	BRL	75		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Benzene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Bromodichloromethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Bromoform	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Bromomethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Carbon disulfide	BRL	7.5		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Carbon tetrachloride	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Chlorobenzene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Chloroethane	BRL	7.5		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Chloroform	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Chloromethane	BRL	7.5		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
cis-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
cis-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Cyclohexane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Dibromochloromethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Dichlorodifluoromethane	BRL	7.5		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Ethylbenzene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Freon-113	BRL	7.5		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Isopropylbenzene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
m,p-Xylene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Methyl acetate	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Methyl tert-butyl ether	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Methylcyclohexane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Methylene chloride	43	15		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
o-Xylene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Styrene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Tetrachloroethene	36	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Toluene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
trans-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
trans-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Trichloroethene	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Trichlorofluoromethane	BRL	3.8		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Vinyl chloride	BRL	7.5		ug/Kg-dry	210063	1	07/10/2015 18:35	MD
Surr: 4-Bromofluorobenzene	75.8	70-128		%REC	210063	1	07/10/2015 18:35	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-05X015XD
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:20:00 PM
Lab ID:	1507504-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	101	78.2-128		%REC	210063	1	07/10/2015 18:35	MD
Surr: Toluene-d8	96.9	76.5-116		%REC	210063	1	07/10/2015 18:35	MD
PERCENT MOISTURE D2216								
Percent Moisture	22.6	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:25:00 PM
Lab ID:	1507504-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2,4,5-Trichlorophenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2,4-Dichlorophenol	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2,4-Dinitrotoluene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2,6-Dinitrotoluene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2-Chloronaphthalene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2-Methylphenol	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2-Nitroaniline	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
2-Nitrophenol	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
3,3′-Dichlorobenzidine	BRL	860		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
3-Nitroaniline	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
4,6-Dinitro-2-methylphenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
4-Bromophenyl phenyl ether	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
4-Chloroaniline	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
4-Chlorophenyl phenyl ether	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
4-Methylphenol	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
4-Nitroaniline	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
4-Nitrophenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Acenaphthene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Acenaphthylene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Acetophenone	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Anthracene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Atrazine	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Benzaldehyde	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Benzo(g,h,i)perylene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Bis(2-chloroethoxy)methane	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Bis(2-chloroethyl)ether	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Bis(2-chloroisopropyl)ether	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Bis(2-ethylhexyl)phthalate	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Butyl benzyl phthalate	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Caprolactam	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:25:00 PM
Lab ID:	1507504-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Chrysene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Di-n-butyl phthalate	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Di-n-octyl phthalate	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Dibenzofuran	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Diethyl phthalate	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Dimethyl phthalate	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Fluoranthene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Fluorene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Hexachlorobenzene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Hexachlorobutadiene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Hexachlorocyclopentadiene	BRL	850		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Hexachloroethane	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Isophorone	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
N-Nitrosodi-n-propylamine	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
N-Nitrosodiphenylamine	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Naphthalene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Nitrobenzene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Phenanthrene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Phenol	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Pyrene	BRL	420		ug/Kg-dry	209964	1	07/10/2015 20:10	YH
Surr: 2,4,6-Tribromophenol	60.9	41-128		%REC	209964	1	07/10/2015 20:10	YH
Surr: 2-Fluorobiphenyl	66.1	47-120		%REC	209964	1	07/10/2015 20:10	YH
Surr: 2-Fluorophenol	65.6	38.3-120		%REC	209964	1	07/10/2015 20:10	YH
Surr: 4-Terphenyl-d14	79.3	51.4-125		%REC	209964	1	07/10/2015 20:10	YH
Surr: Nitrobenzene-d5	64.6	40.1-120		%REC	209964	1	07/10/2015 20:10	YH
Surr: Phenol-d5	72.1	40.3-120		%REC	209964	1	07/10/2015 20:10	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,1,2,2-Tetrachloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,1,2-Trichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,1-Dichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,1-Dichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,2,4-Trichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,2-Dibromo-3-chloropropane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,2-Dibromoethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,2-Dichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:25:00 PM
Lab ID:	1507504-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,2-Dichloropropane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,3-Dichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
1,4-Dichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
2-Butanone	BRL	44		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
2-Hexanone	BRL	8.8		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
4-Methyl-2-pentanone	BRL	8.8		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Acetone	BRL	88		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Benzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Bromodichloromethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Bromoform	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Bromomethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Carbon disulfide	BRL	8.8		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Carbon tetrachloride	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Chlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Chloroethane	BRL	8.8		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Chloroform	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Chloromethane	BRL	8.8		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
cis-1,2-Dichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
cis-1,3-Dichloropropene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Cyclohexane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Dibromochloromethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Dichlorodifluoromethane	BRL	8.8		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Ethylbenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Freon-113	BRL	8.8		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Isopropylbenzene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
m,p-Xylene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Methyl acetate	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Methyl tert-butyl ether	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Methylcyclohexane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Methylene chloride	BRL	18		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
o-Xylene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Styrene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Tetrachloroethene	25	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Toluene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
trans-1,2-Dichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
trans-1,3-Dichloropropene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Trichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Trichlorofluoromethane	BRL	4.4		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Vinyl chloride	BRL	8.8		ug/Kg-dry	210063	1	07/10/2015 19:00	MD
Surr: 4-Bromofluorobenzene	79.6	70-128		%REC	210063	1	07/10/2015 19:00	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:25:00 PM
Lab ID:	1507504-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	115	78.2-128		%REC	210063	1	07/10/2015 19:00	MD
Surr: Toluene-d8	97	76.5-116		%REC	210063	1	07/10/2015 19:00	MD
PERCENT MOISTURE D2216								
Percent Moisture	22.2	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:30:00 PM
Lab ID:	1507504-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2,4-Dichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2,4-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2,6-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2-Chloronaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
2-Nitrophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
3,3′-Dichlorobenzidine	BRL	810		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
4-Bromophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
4-Chloroaniline	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
4-Chlorophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
4-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Acenaphthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Acenaphthylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Acetophenone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Atrazine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Benzaldehyde	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Bis(2-chloroethoxy)methane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Bis(2-chloroethyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Bis(2-chloroisopropyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Bis(2-ethylhexyl)phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Butyl benzyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Caprolactam	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:30:00 PM
Lab ID:	1507504-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Chrysene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Di-n-butyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Di-n-octyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Dibenzofuran	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Diethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Dimethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Fluorene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Hexachlorobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Hexachlorobutadiene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Hexachlorocyclopentadiene	BRL	790		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Hexachloroethane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Isophorone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
N-Nitrosodi-n-propylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
N-Nitrosodiphenylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Naphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Nitrobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Phenanthrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Phenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 20:36	YH
Surr: 2,4,6-Tribromophenol	59.9	41-128		%REC	209964	1	07/10/2015 20:36	YH
Surr: 2-Fluorobiphenyl	70	47-120		%REC	209964	1	07/10/2015 20:36	YH
Surr: 2-Fluorophenol	55.7	38.3-120		%REC	209964	1	07/10/2015 20:36	YH
Surr: 4-Terphenyl-d14	85.2	51.4-125		%REC	209964	1	07/10/2015 20:36	YH
Surr: Nitrobenzene-d5	67.6	40.1-120		%REC	209964	1	07/10/2015 20:36	YH
Surr: Phenol-d5	67.3	40.3-120		%REC	209964	1	07/10/2015 20:36	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,1,2,2-Tetrachloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,1,2-Trichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,1-Dichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,1-Dichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,2,4-Trichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,2-Dibromo-3-chloropropane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,2-Dibromoethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,2-Dichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:30:00 PM
Lab ID:	1507504-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,2-Dichloropropane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,3-Dichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
1,4-Dichlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
2-Butanone	BRL	44		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
2-Hexanone	BRL	8.8		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
4-Methyl-2-pentanone	BRL	8.8		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Acetone	BRL	88		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Benzene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Bromodichloromethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Bromoform	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Bromomethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Carbon disulfide	BRL	8.8		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Carbon tetrachloride	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Chlorobenzene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Chloroethane	BRL	8.8		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Chloroform	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Chloromethane	BRL	8.8		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
cis-1,2-Dichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
cis-1,3-Dichloropropene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Cyclohexane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Dibromochloromethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Dichlorodifluoromethane	BRL	8.8		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Ethylbenzene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Freon-113	BRL	8.8		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Isopropylbenzene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
m,p-Xylene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Methyl acetate	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Methyl tert-butyl ether	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Methylcyclohexane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Methylene chloride	19	18		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
o-Xylene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Styrene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Tetrachloroethene	6.3	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Toluene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
trans-1,2-Dichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
trans-1,3-Dichloropropene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Trichloroethene	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Trichlorofluoromethane	BRL	4.4		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Vinyl chloride	BRL	8.8		ug/Kg-dry	210063	1	07/13/2015 16:26	CG
Surr: 4-Bromofluorobenzene	84	70-128		%REC	210063	1	07/13/2015 16:26	CG

Qualifiers:

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- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X005XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:30:00 PM
Lab ID:	1507504-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	106	78.2-128		%REC	210063	1	07/13/2015 16:26	CG
Surr: Toluene-d8	94.4	76.5-116		%REC	210063	1	07/13/2015 16:26	CG
PERCENT MOISTURE D2216								
Percent Moisture	16.9	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:40:00 PM
Lab ID:	1507504-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2,4,6-Trichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2,4-Dichlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2,4-Dimethylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2,4-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2,6-Dinitrotoluene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2-Chloronaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2-Chlorophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2-Methylnaphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
2-Nitrophenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
3,3′-Dichlorobenzidine	BRL	800		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
4-Bromophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
4-Chloro-3-methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
4-Chloroaniline	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
4-Chlorophenyl phenyl ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
4-Methylphenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Acenaphthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Acenaphthylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Acetophenone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Atrazine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Benz(a)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Benzaldehyde	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Benzo(a)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Bis(2-chloroethoxy)methane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Bis(2-chloroethyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Bis(2-chloroisopropyl)ether	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Bis(2-ethylhexyl)phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Butyl benzyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Caprolactam	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
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- < Less than Result value
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Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:40:00 PM
Lab ID:	1507504-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Chrysene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Di-n-butyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Di-n-octyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Dibenzofuran	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Diethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Dimethyl phthalate	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Fluoranthene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Fluorene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Hexachlorobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Hexachlorobutadiene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Hexachlorocyclopentadiene	BRL	790		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Hexachloroethane	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Isophorone	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
N-Nitrosodi-n-propylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
N-Nitrosodiphenylamine	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Naphthalene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Nitrobenzene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Phenanthrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Phenol	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Pyrene	BRL	400		ug/Kg-dry	209964	1	07/10/2015 21:02	YH
Surr: 2,4,6-Tribromophenol	54.2	41-128		%REC	209964	1	07/10/2015 21:02	YH
Surr: 2-Fluorobiphenyl	56.7	47-120		%REC	209964	1	07/10/2015 21:02	YH
Surr: 2-Fluorophenol	57.8	38.3-120		%REC	209964	1	07/10/2015 21:02	YH
Surr: 4-Terphenyl-d14	80.6	51.4-125		%REC	209964	1	07/10/2015 21:02	YH
Surr: Nitrobenzene-d5	59.6	40.1-120		%REC	209964	1	07/10/2015 21:02	YH
Surr: Phenol-d5	66.5	40.3-120		%REC	209964	1	07/10/2015 21:02	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,1,2,2-Tetrachloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,1,2-Trichloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,1-Dichloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,2,4-Trichlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,2-Dibromo-3-chloropropane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,2-Dibromoethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,2-Dichlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:40:00 PM
Lab ID:	1507504-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,2-Dichloropropane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,3-Dichlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
1,4-Dichlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
2-Butanone	BRL	40		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
2-Hexanone	BRL	8.1		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
4-Methyl-2-pentanone	BRL	8.1		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Acetone	BRL	81		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Benzene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Bromodichloromethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Bromoform	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Bromomethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Carbon disulfide	BRL	8.1		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Carbon tetrachloride	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Chlorobenzene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Chloroethane	BRL	8.1		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Chloroform	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Chloromethane	BRL	8.1		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
cis-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
cis-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Cyclohexane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Dibromochloromethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Dichlorodifluoromethane	BRL	8.1		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Ethylbenzene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Freon-113	BRL	8.1		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Isopropylbenzene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
m,p-Xylene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Methyl acetate	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Methyl tert-butyl ether	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Methylcyclohexane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Methylene chloride	41	16		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
o-Xylene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Styrene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Tetrachloroethene	6.2	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Toluene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
trans-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
trans-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Trichloroethene	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Trichlorofluoromethane	BRL	4.0		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Vinyl chloride	BRL	8.1		ug/Kg-dry	209999	1	07/10/2015 19:51	MD
Surr: 4-Bromofluorobenzene	77.3	70-128		%REC	209999	1	07/10/2015 19:51	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X010XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:40:00 PM
Lab ID:	1507504-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	118	78.2-128		%REC	209999	1	07/10/2015 19:51	MD
Surr: Toluene-d8	98.8	76.5-116		%REC	209999	1	07/10/2015 19:51	MD
PERCENT MOISTURE D2216								
Percent Moisture	16.8	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:45:00 PM
Lab ID:	1507504-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2,4,5-Trichlorophenol	BRL	2400		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2,4,6-Trichlorophenol	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2,4-Dichlorophenol	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2,4-Dimethylphenol	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2,4-Dinitrophenol	BRL	2400		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2,4-Dinitrotoluene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2,6-Dinitrotoluene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2-Chloronaphthalene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2-Chlorophenol	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2-Methylnaphthalene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2-Methylphenol	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2-Nitroaniline	BRL	2400		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
2-Nitrophenol	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
3,3′-Dichlorobenzidine	BRL	960		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
3-Nitroaniline	BRL	2400		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
4,6-Dinitro-2-methylphenol	BRL	2400		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
4-Bromophenyl phenyl ether	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
4-Chloro-3-methylphenol	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
4-Chloroaniline	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
4-Chlorophenyl phenyl ether	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
4-Methylphenol	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
4-Nitroaniline	BRL	2400		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
4-Nitrophenol	BRL	2400		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Acenaphthene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Acenaphthylene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Acetophenone	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Anthracene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Atrazine	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Benz(a)anthracene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Benzaldehyde	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Benzo(a)pyrene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Benzo(b)fluoranthene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Benzo(g,h,i)perylene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Benzo(k)fluoranthene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Bis(2-chloroethoxy)methane	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Bis(2-chloroethyl)ether	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Bis(2-chloroisopropyl)ether	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Bis(2-ethylhexyl)phthalate	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Butyl benzyl phthalate	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Caprolactam	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:45:00 PM
Lab ID:	1507504-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Chrysene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Di-n-butyl phthalate	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Di-n-octyl phthalate	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Dibenz(a,h)anthracene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Dibenzofuran	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Diethyl phthalate	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Dimethyl phthalate	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Fluoranthene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Fluorene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Hexachlorobenzene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Hexachlorobutadiene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Hexachlorocyclopentadiene	BRL	940		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Hexachloroethane	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Indeno(1,2,3-cd)pyrene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Isophorone	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
N-Nitrosodi-n-propylamine	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
N-Nitrosodiphenylamine	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Naphthalene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Nitrobenzene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Pentachlorophenol	BRL	2400		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Phenanthrene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Phenol	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Pyrene	BRL	470		ug/Kg-dry	209964	1	07/10/2015 21:28	YH
Surr: 2,4,6-Tribromophenol	48.1	41-128		%REC	209964	1	07/10/2015 21:28	YH
Surr: 2-Fluorobiphenyl	49.4	47-120		%REC	209964	1	07/10/2015 21:28	YH
Surr: 2-Fluorophenol	46.7	38.3-120		%REC	209964	1	07/10/2015 21:28	YH
Surr: 4-Terphenyl-d14	68.5	51.4-125		%REC	209964	1	07/10/2015 21:28	YH
Surr: Nitrobenzene-d5	51.5	40.1-120		%REC	209964	1	07/10/2015 21:28	YH
Surr: Phenol-d5	56.3	40.3-120		%REC	209964	1	07/10/2015 21:28	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,1,2,2-Tetrachloroethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,1,2-Trichloroethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,1-Dichloroethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,1-Dichloroethene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,2,4-Trichlorobenzene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,2-Dibromo-3-chloropropane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,2-Dibromoethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,2-Dichlorobenzene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:45:00 PM
Lab ID:	1507504-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,2-Dichloropropane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,3-Dichlorobenzene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
1,4-Dichlorobenzene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
2-Butanone	BRL	43		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
2-Hexanone	BRL	8.5		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
4-Methyl-2-pentanone	BRL	8.5		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Acetone	BRL	85		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Benzene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Bromodichloromethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Bromoform	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Bromomethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Carbon disulfide	BRL	8.5		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Carbon tetrachloride	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Chlorobenzene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Chloroethane	BRL	8.5		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Chloroform	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Chloromethane	BRL	8.5		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
cis-1,2-Dichloroethene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
cis-1,3-Dichloropropene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Cyclohexane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Dibromochloromethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Dichlorodifluoromethane	BRL	8.5		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Ethylbenzene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Freon-113	BRL	8.5		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Isopropylbenzene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
m,p-Xylene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Methyl acetate	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Methyl tert-butyl ether	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Methylcyclohexane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Methylene chloride	29	17		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
o-Xylene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Styrene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Tetrachloroethene	44	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Toluene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
trans-1,2-Dichloroethene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
trans-1,3-Dichloropropene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Trichloroethene	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Trichlorofluoromethane	BRL	4.3		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Vinyl chloride	BRL	8.5		ug/Kg-dry	209999	1	07/10/2015 20:17	MD
Surr: 4-Bromofluorobenzene	75.1	70-128		%REC	209999	1	07/10/2015 20:17	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X015XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:45:00 PM
Lab ID:	1507504-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	108	78.2-128		%REC	209999	1	07/10/2015 20:17	MD
Surr: Toluene-d8	95.1	76.5-116		%REC	209999	1	07/10/2015 20:17	MD
PERCENT MOISTURE D2216								
Percent Moisture	30.1	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:50:00 PM
Lab ID:	1507504-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1′-Biphenyl	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2,4,5-Trichlorophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2,4,6-Trichlorophenol	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2,4-Dichlorophenol	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2,4-Dimethylphenol	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2,4-Dinitrophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2,4-Dinitrotoluene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2,6-Dinitrotoluene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2-Chloronaphthalene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2-Chlorophenol	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2-Methylnaphthalene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2-Methylphenol	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2-Nitroaniline	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
2-Nitrophenol	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
3,3′-Dichlorobenzidine	BRL	780		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
3-Nitroaniline	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
4,6-Dinitro-2-methylphenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
4-Bromophenyl phenyl ether	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
4-Chloro-3-methylphenol	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
4-Chloroaniline	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
4-Chlorophenyl phenyl ether	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
4-Methylphenol	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
4-Nitroaniline	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
4-Nitrophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Acenaphthene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Acenaphthylene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Acetophenone	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Anthracene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Atrazine	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Benz(a)anthracene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Benzaldehyde	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Benzo(a)pyrene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Bis(2-chloroethoxy)methane	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Bis(2-chloroethyl)ether	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Bis(2-chloroisopropyl)ether	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Bis(2-ethylhexyl)phthalate	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Butyl benzyl phthalate	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Caprolactam	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
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- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
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Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:50:00 PM
Lab ID:	1507504-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Carbazole	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Chrysene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Di-n-butyl phthalate	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Di-n-octyl phthalate	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Dibenzofuran	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Diethyl phthalate	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Dimethyl phthalate	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Fluoranthene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Fluorene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Hexachlorobenzene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Hexachlorobutadiene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Hexachlorocyclopentadiene	BRL	760		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Hexachloroethane	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Isophorone	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
N-Nitrosodi-n-propylamine	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
N-Nitrosodiphenylamine	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Naphthalene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Nitrobenzene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Pentachlorophenol	BRL	2000		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Phenanthrene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Phenol	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Pyrene	BRL	380		ug/Kg-dry	209964	1	07/10/2015 21:54	YH
Surr: 2,4,6-Tribromophenol	61.9	41-128		%REC	209964	1	07/10/2015 21:54	YH
Surr: 2-Fluorobiphenyl	72.3	47-120		%REC	209964	1	07/10/2015 21:54	YH
Surr: 2-Fluorophenol	65.6	38.3-120		%REC	209964	1	07/10/2015 21:54	YH
Surr: 4-Terphenyl-d14	83.8	51.4-125		%REC	209964	1	07/10/2015 21:54	YH
Surr: Nitrobenzene-d5	72.7	40.1-120		%REC	209964	1	07/10/2015 21:54	YH
Surr: Phenol-d5	73.3	40.3-120		%REC	209964	1	07/10/2015 21:54	YH
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,1,2,2-Tetrachloroethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,1,2-Trichloroethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,1-Dichloroethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,1-Dichloroethene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,2,4-Trichlorobenzene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,2-Dibromo-3-chloropropane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,2-Dibromoethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,2-Dichlorobenzene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:50:00 PM
Lab ID:	1507504-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,2-Dichloroethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,2-Dichloropropane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,3-Dichlorobenzene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
1,4-Dichlorobenzene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
2-Butanone	BRL	39		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
2-Hexanone	BRL	7.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
4-Methyl-2-pentanone	BRL	7.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Acetone	BRL	79		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Benzene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Bromodichloromethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Bromoform	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Bromomethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Carbon disulfide	BRL	7.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Carbon tetrachloride	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Chlorobenzene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Chloroethane	BRL	7.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Chloroform	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Chloromethane	BRL	7.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
cis-1,2-Dichloroethene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
cis-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Cyclohexane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Dibromochloromethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Dichlorodifluoromethane	BRL	7.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Ethylbenzene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Freon-113	BRL	7.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Isopropylbenzene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
m,p-Xylene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Methyl acetate	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Methyl tert-butyl ether	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Methylcyclohexane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Methylene chloride	34	16		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
o-Xylene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Styrene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Tetrachloroethene	74	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Toluene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
trans-1,2-Dichloroethene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
trans-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Trichloroethene	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Trichlorofluoromethane	BRL	3.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Vinyl chloride	BRL	7.9		ug/Kg-dry	209999	1	07/10/2015 20:43	MD
Surr: 4-Bromofluorobenzene	76.6	70-128		%REC	209999	1	07/10/2015 20:43	MD

Qualifiers:

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- BRL Below reporting limit
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- N Analyte not NELAC certified
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- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 15-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SB-09-06X020XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	7/7/2015 12:50:00 PM
Lab ID:	1507504-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Surr: Dibromofluoromethane	112	78.2-128		%REC	209999	1	07/10/2015 20:43	MD
Surr: Toluene-d8	96.9	76.5-116		%REC	209999	1	07/10/2015 20:43	MD
PERCENT MOISTURE D2216								
Percent Moisture	13.7	0		wt%	R295880	1	07/14/2015 11:00	PF

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC/GREENVILLE, SC Work Order Number 1507504

Checklist completed by Miriam Ramirez 7/8/2015
Signature Date

Carrier name: FedEx __ UPS __ Courier ✓ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.6°C Cooler #2 3.4°C Cooler #3 3.1°C Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by MIRIAM

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Analytical Environmental Services, Inc

Date: 15-Jul-15

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Lab Order: 1507504

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1507504-001A	FB-01-01	7/7/2015 11:00:00AM	Aqueous	TCL VOLATILE ORGANICS		7/8/2015 12:30:00PM	07/08/2015
1507504-001B	FB-01-01	7/7/2015 11:00:00AM	Aqueous	TCL-SEMIVOLATILE ORGANICS		7/8/2015 2:00:00PM	07/10/2015
1507504-002A	TB-01-01	7/7/2015 8:00:00AM	Aqueous	TCL VOLATILE ORGANICS		7/8/2015 12:30:00PM	07/08/2015
1507504-003A	RB-01-01	7/7/2015 11:35:00AM	Aqueous	TCL VOLATILE ORGANICS		7/8/2015 12:30:00PM	07/08/2015
1507504-003B	RB-01-01	7/7/2015 11:35:00AM	Aqueous	TCL-SEMIVOLATILE ORGANICS		7/8/2015 2:00:00PM	07/10/2015
1507504-004A	TB-02-01	7/7/2015 11:15:00AM	Aqueous	TCL VOLATILE ORGANICS		7/8/2015 12:30:00PM	07/08/2015
1507504-005A	TB-03-01	7/7/2015 1:00:00PM	Aqueous	TCL VOLATILE ORGANICS		7/8/2015 12:30:00PM	07/08/2015
1507504-006A	SB-09-01X000XX	7/7/2015 9:30:00AM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/13/2015
1507504-006B	SB-09-01X000XX	7/7/2015 9:30:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-006C	SB-09-01X000XX	7/7/2015 9:30:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-007A	SB-09-01X005XX	7/7/2015 9:35:00AM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/13/2015
1507504-007B	SB-09-01X005XX	7/7/2015 9:35:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-007C	SB-09-01X005XX	7/7/2015 9:35:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-008A	SB-09-01X010XX	7/7/2015 9:40:00AM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/13/2015
1507504-008B	SB-09-01X010XX	7/7/2015 9:40:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-008C	SB-09-01X010XX	7/7/2015 9:40:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-009A	SB-09-01X015XX	7/7/2015 9:45:00AM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/14/2015
1507504-009B	SB-09-01X015XX	7/7/2015 9:45:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-009C	SB-09-01X015XX	7/7/2015 9:45:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-010A	SB-09-02X000XX	7/7/2015 10:15:00AM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/13/2015
1507504-010B	SB-09-02X000XX	7/7/2015 10:15:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-010C	SB-09-02X000XX	7/7/2015 10:15:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-011A	SB-09-02X005XX	7/7/2015 10:20:00AM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/13/2015
1507504-011B	SB-09-02X005XX	7/7/2015 10:20:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-011C	SB-09-02X005XX	7/7/2015 10:20:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-012A	SB-09-02X005XD	7/7/2015 10:20:00AM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/13/2015
1507504-012B	SB-09-02X005XD	7/7/2015 10:20:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-012C	SB-09-02X005XD	7/7/2015 10:20:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-013A	SB-09-02X010XX	7/7/2015 10:30:00AM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/13/2015

Client: AMEC E&I, Inc.
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Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1507504-013B	SB-09-02X010XX	7/7/2015 10:30:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-013C	SB-09-02X010XX	7/7/2015 10:30:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-014A	SB-09-02X015XX	7/7/2015 10:45:00AM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/13/2015
1507504-014B	SB-09-02X015XX	7/7/2015 10:45:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-014C	SB-09-02X015XX	7/7/2015 10:45:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-015A	SB-09-02X020XX	7/7/2015 10:50:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-015A	SB-09-02X020XX	7/7/2015 10:50:00AM	Soil	TCL VOLATILE ORGANICS		7/13/2015 2:49:00PM	07/13/2015
1507504-015B	SB-09-02X020XX	7/7/2015 10:50:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-015C	SB-09-02X020XX	7/7/2015 10:50:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-016A	SB-09-03X000XX	7/7/2015 11:00:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-016B	SB-09-03X000XX	7/7/2015 11:00:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-016C	SB-09-03X000XX	7/7/2015 11:00:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-017A	SB-09-03X005XX	7/7/2015 11:10:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-017B	SB-09-03X005XX	7/7/2015 11:10:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-017C	SB-09-03X005XX	7/7/2015 11:10:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-018A	SB-09-03X010XX	7/7/2015 11:20:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-018B	SB-09-03X010XX	7/7/2015 11:20:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-018C	SB-09-03X010XX	7/7/2015 11:20:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-019A	SB-09-03X010MS	7/7/2015 11:20:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-019B	SB-09-03X010MS	7/7/2015 11:20:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-019C	SB-09-03X010MS	7/7/2015 11:20:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-020A	SB-09-03X010MD	7/7/2015 11:20:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-020B	SB-09-03X010MD	7/7/2015 11:20:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-020C	SB-09-03X010MD	7/7/2015 11:20:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-021A	SB-09-03X015XX	7/7/2015 11:30:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-021A	SB-09-03X015XX	7/7/2015 11:30:00AM	Soil	TCL VOLATILE ORGANICS		7/13/2015 2:49:00PM	07/13/2015
1507504-021B	SB-09-03X015XX	7/7/2015 11:30:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-021C	SB-09-03X015XX	7/7/2015 11:30:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-022A	SB-09-04X000XX	7/7/2015 11:35:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015

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Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1507504-022B	SB-09-04X000XX	7/7/2015 11:35:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-022C	SB-09-04X000XX	7/7/2015 11:35:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-023A	SB-09-04X005XX	7/7/2015 11:40:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-023B	SB-09-04X005XX	7/7/2015 11:40:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-023C	SB-09-04X005XX	7/7/2015 11:40:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-024A	SB-09-04X005XD	7/7/2015 11:40:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-024B	SB-09-04X005XD	7/7/2015 11:40:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-024C	SB-09-04X005XD	7/7/2015 11:40:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-025A	SB-09-04X010XX	7/7/2015 11:45:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-025B	SB-09-04X010XX	7/7/2015 11:45:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 8:00:00AM	07/10/2015
1507504-025C	SB-09-04X010XX	7/7/2015 11:45:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-026A	SB-09-04X015XX	7/7/2015 11:45:00AM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-026B	SB-09-04X015XX	7/7/2015 11:45:00AM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-026C	SB-09-04X015XX	7/7/2015 11:45:00AM	Soil	PERCENT MOISTURE			07/14/2015
1507504-027A	SB-09-04X020XX	7/7/2015 12:00:00PM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-027B	SB-09-04X020XX	7/7/2015 12:00:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-027C	SB-09-04X020XX	7/7/2015 12:00:00PM	Soil	PERCENT MOISTURE			07/14/2015
1507504-028A	SB-09-05X000XX	7/7/2015 12:05:00PM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-028B	SB-09-05X000XX	7/7/2015 12:05:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-028C	SB-09-05X000XX	7/7/2015 12:05:00PM	Soil	PERCENT MOISTURE			07/14/2015
1507504-029A	SB-09-05X005XX	7/7/2015 12:10:00PM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-029B	SB-09-05X005XX	7/7/2015 12:10:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-029C	SB-09-05X005XX	7/7/2015 12:10:00PM	Soil	PERCENT MOISTURE			07/14/2015
1507504-030A	SB-09-05X010XX	7/7/2015 12:15:00PM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-030B	SB-09-05X010XX	7/7/2015 12:15:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-030C	SB-09-05X010XX	7/7/2015 12:15:00PM	Soil	PERCENT MOISTURE			07/14/2015
1507504-031A	SB-09-05X015XX	7/7/2015 12:20:00PM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/13/2015
1507504-031B	SB-09-05X015XX	7/7/2015 12:20:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-031C	SB-09-05X015XX	7/7/2015 12:20:00PM	Soil	PERCENT MOISTURE			07/14/2015

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Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1507504-032A	SB-09-05X015XD	7/7/2015 12:20:00PM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-032B	SB-09-05X015XD	7/7/2015 12:20:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-032C	SB-09-05X015XD	7/7/2015 12:20:00PM	Soil	PERCENT MOISTURE			07/14/2015
1507504-033A	SB-09-06X000XX	7/7/2015 12:25:00PM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/10/2015
1507504-033B	SB-09-06X000XX	7/7/2015 12:25:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-033C	SB-09-06X000XX	7/7/2015 12:25:00PM	Soil	PERCENT MOISTURE			07/14/2015
1507504-034A	SB-09-06X005XX	7/7/2015 12:30:00PM	Soil	TCL VOLATILE ORGANICS		7/10/2015 9:37:00AM	07/13/2015
1507504-034B	SB-09-06X005XX	7/7/2015 12:30:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-034C	SB-09-06X005XX	7/7/2015 12:30:00PM	Soil	PERCENT MOISTURE			07/14/2015
1507504-035A	SB-09-06X010XX	7/7/2015 12:40:00PM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/10/2015
1507504-035B	SB-09-06X010XX	7/7/2015 12:40:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-035C	SB-09-06X010XX	7/7/2015 12:40:00PM	Soil	PERCENT MOISTURE			07/14/2015
1507504-036A	SB-09-06X015XX	7/7/2015 12:45:00PM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/10/2015
1507504-036B	SB-09-06X015XX	7/7/2015 12:45:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-036C	SB-09-06X015XX	7/7/2015 12:45:00PM	Soil	PERCENT MOISTURE			07/14/2015
1507504-037A	SB-09-06X020XX	7/7/2015 12:50:00PM	Soil	TCL VOLATILE ORGANICS		7/9/2015 9:21:00AM	07/10/2015
1507504-037B	SB-09-06X020XX	7/7/2015 12:50:00PM	Soil	TCL-SEMIVOLATILE ORGANICS		7/10/2015 11:00:00AM	07/10/2015
1507504-037C	SB-09-06X020XX	7/7/2015 12:50:00PM	Soil	PERCENT MOISTURE			07/14/2015

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209880

Sample ID: **MB-209880** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295535**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209880** Analysis Date: **07/08/2015** Seq No: **6301575**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
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Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209880

Sample ID: **MB-209880** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295535**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209880** Analysis Date: **07/08/2015** Seq No: **6301575**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	1.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Surr: 4-Bromofluorobenzene	46.97	0	50.00		93.9	70	130				
Surr: Dibromofluoromethane	50.71	0	50.00		101	70	130				
Surr: Toluene-d8	49.16	0	50.00		98.3	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209880

Sample ID: **LCS-209880** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295535**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209880** Analysis Date: **07/08/2015** Seq No: **6301576**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	46.61	1.0	50.00		93.2	70	130				
1,1,2,2-Tetrachloroethane	46.59	1.0	50.00		93.2	70	130				
1,1,2-Trichloroethane	46.60	1.0	50.00		93.2	70	130				
1,1-Dichloroethane	44.32	1.0	50.00		88.6	70	130				
1,1-Dichloroethene	47.93	2.0	50.00		95.9	60	140				
1,2,4-Trichlorobenzene	47.00	1.0	50.00		94.0	70	130				
1,2-Dibromo-3-chloropropane	45.64	1.0	50.00		91.3	70	130				
1,2-Dibromoethane	47.64	1.0	50.00		95.3	70	130				
1,2-Dichlorobenzene	45.37	1.0	50.00		90.7	70	130				
1,2-Dichloroethane	45.73	1.0	50.00		91.5	70	130				
1,2-Dichloropropane	47.02	1.0	50.00		94.0	70	130				
1,3-Dichlorobenzene	45.32	1.0	50.00		90.6	70	130				
1,4-Dichlorobenzene	44.35	1.0	50.00		88.7	70	130				
Benzene	48.31	1.0	50.00		96.6	70	130				
Bromodichloromethane	46.27	1.0	50.00		92.5	70	130				
Bromoform	44.31	1.0	50.00		88.6	70	130				
Carbon tetrachloride	50.13	2.0	50.00		100	70	130				
Chlorobenzene	45.73	1.0	50.00		91.5	70	130				
Chloroform	45.35	1.0	50.00		90.7	70	130				
cis-1,2-Dichloroethene	48.56	1.0	50.00		97.1	70	130				
cis-1,3-Dichloropropene	40.83	1.0	50.00		81.7	70	130				
Dibromochloromethane	45.12	1.0	50.00		90.2	70	130				
Ethylbenzene	49.54	1.0	50.00		99.1	70	130				
Isopropylbenzene	48.69	1.0	50.00		97.4	70	130				
m,p-Xylene	99.80	1.0	100.0		99.8	70	130				
Methylene chloride	43.72	5.0	50.00		87.4	70	130				
o-Xylene	48.52	1.0	50.00		97.0	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209880

Sample ID: **LCS-209880** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295535**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209880** Analysis Date: **07/08/2015** Seq No: **6301576**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	51.68	1.0	50.00		103	70	130				
Tetrachloroethene	50.49	1.0	50.00		101	70	130				
Toluene	48.33	1.0	50.00		96.7	70	130				
trans-1,2-Dichloroethene	48.31	2.0	50.00		96.6	70	130				
trans-1,3-Dichloropropene	38.29	2.0	50.00		76.6	70	130				
Trichloroethene	47.99	1.0	50.00		96.0	70	130				
Vinyl chloride	44.05	1.0	50.00		88.1	70	130				
Surr: 4-Bromofluorobenzene	50.88	0	50.00		102	70	130				
Surr: Dibromofluoromethane	49.37	0	50.00		98.7	70	130				
Surr: Toluene-d8	50.46	0	50.00		101	70	130				

Sample ID: **1507508-003AMS** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295535**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209880** Analysis Date: **07/08/2015** Seq No: **6302060**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	2254	50	2500		90.2	64.1	145				
1,1,2,2-Tetrachloroethane	2214	50	2500		88.6	63.6	133				
1,1,2-Trichloroethane	2258	50	2500		90.3	71.9	136				
1,1-Dichloroethane	2120	50	2500		84.8	67.7	138				
1,1-Dichloroethene	2314	100	2500		92.6	60.5	156				
1,2,4-Trichlorobenzene	2238	50	2500		89.5	60	130				
1,2-Dibromo-3-chloropropane	2076	50	2500		83.1	60.6	128				
1,2-Dibromoethane	2294	50	2500		91.8	75	133				
1,2-Dichlorobenzene	2111	50	2500		84.4	71.7	127				
1,2-Dichloroethane	2226	50	2500		89.0	71.7	134				
1,2-Dichloropropane	2323	50	2500		92.9	69.6	137				
1,3-Dichlorobenzene	2136	50	2500		85.5	71.4	130				
1,4-Dichlorobenzene	2112	50	2500		84.5	72.7	123				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209880

Sample ID: **1507508-003AMS** Client ID:
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **07/08/2015** Run No: **295535**
BatchID: **209880** Analysis Date: **07/08/2015** Seq No: **6302060**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	2340	50	2500		93.6	70	135				
Bromodichloromethane	2225	50	2500		89.0	60.3	142				
Bromoform	2099	50	2500		84.0	50.2	139				
Carbon tetrachloride	2480	100	2500		99.2	64.4	146				
Chlorobenzene	2222	50	2500		88.9	70.5	132				
Chloroform	2188	50	2500		87.5	70.1	141				
cis-1,2-Dichloroethene	2358	50	2500		94.3	70.7	138				
cis-1,3-Dichloropropene	1956	50	2500		78.3	58.7	137				
Dibromochloromethane	2107	50	2500		84.3	63.2	130				
Ethylbenzene	2418	50	2500		96.7	73.7	135				
Isopropylbenzene	2318	50	2500		92.7	66.2	129				
m,p-Xylene	4860	50	5000		97.2	70.7	136				
Methylene chloride	2109	250	2500		84.4	70.1	132				
o-Xylene	2377	50	2500		95.1	71.3	137				
Styrene	2550	50	2500		102	72	135				
Tetrachloroethene	2418	50	2500		96.7	71.4	139				
Toluene	2363	50	2500		94.5	70.5	137				
trans-1,2-Dichloroethene	2286	100	2500		91.4	68.3	142				
trans-1,3-Dichloropropene	1824	100	2500		72.9	60.2	124				
Trichloroethene	2334	50	2500		93.4	71.8	139				
Vinyl chloride	2132	50	2500		85.3	70	132				
Surr: 4-Bromofluorobenzene	2561	0	2500		102	70	130				
Surr: Dibromofluoromethane	2444	0	2500		97.8	70	130				
Surr: Toluene-d8	2509	0	2500		100	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209880

Sample ID: **1507508-003AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **07/08/2015** Run No: **295535**
BatchID: **209880** Analysis Date: **07/08/2015** Seq No: **6302061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	2207	50	2500		88.3	64.1	145	2254	2.11	20	
1,1,2,2-Tetrachloroethane	2266	50	2500		90.6	63.6	133	2214	2.32	20	
1,1,2-Trichloroethane	2210	50	2500		88.4	71.9	136	2258	2.15	20	
1,1-Dichloroethane	2110	50	2500		84.4	67.7	138	2120	0.449	20	
1,1-Dichloroethene	2240	100	2500		89.6	60.5	156	2314	3.27	20	
1,2,4-Trichlorobenzene	2312	50	2500		92.5	60	130	2238	3.25	26.5	
1,2-Dibromo-3-chloropropane	2076	50	2500		83.0	60.6	128	2076	0.024	20.4	
1,2-Dibromoethane	2353	50	2500		94.1	75	133	2294	2.54	20	
1,2-Dichlorobenzene	2138	50	2500		85.5	71.7	127	2111	1.29	20	
1,2-Dichloroethane	2154	50	2500		86.2	71.7	134	2226	3.29	20	
1,2-Dichloropropane	2269	50	2500		90.8	69.6	137	2323	2.35	20	
1,3-Dichlorobenzene	2149	50	2500		86.0	71.4	130	2136	0.583	20	
1,4-Dichlorobenzene	2097	50	2500		83.9	72.7	123	2112	0.713	20	
Benzene	2266	50	2500		90.6	70	135	2340	3.21	20	
Bromodichloromethane	2178	50	2500		87.1	60.3	142	2225	2.13	20	
Bromoform	2056	50	2500		82.2	50.2	139	2099	2.09	20	
Carbon tetrachloride	2399	100	2500		96.0	64.4	146	2480	3.32	19.3	
Chlorobenzene	2244	50	2500		89.8	70.5	132	2222	0.963	20	
Chloroform	2148	50	2500		85.9	70.1	141	2188	1.82	20	
cis-1,2-Dichloroethene	2350	50	2500		94.0	70.7	138	2358	0.382	20	
cis-1,3-Dichloropropene	1946	50	2500		77.9	58.7	137	1956	0.512	20	
Dibromochloromethane	2176	50	2500		87.1	63.2	130	2107	3.25	20	
Ethylbenzene	2385	50	2500		95.4	73.7	135	2418	1.37	20	
Isopropylbenzene	2333	50	2500		93.3	66.2	129	2318	0.645	20	
m,p-Xylene	4781	50	5000		95.6	70.7	136	4860	1.64	20	
Methylene chloride	2075	250	2500		83.0	70.1	132	2109	1.63	20	
o-Xylene	2337	50	2500		93.5	71.3	137	2377	1.70	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209880

Sample ID: **1507508-003AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **07/08/2015** Run No: **295535**
BatchID: **209880** Analysis Date: **07/08/2015** Seq No: **6302061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	2466	50	2500		98.7	72	135	2550	3.31	20	
Tetrachloroethene	2414	50	2500		96.5	71.4	139	2418	0.186	20	
Toluene	2293	50	2500		91.7	70.5	137	2363	3.01	20	
trans-1,2-Dichloroethene	2264	100	2500		90.6	68.3	142	2286	0.945	20	
trans-1,3-Dichloropropene	1822	100	2500		72.9	60.2	124	1824	0.055	20	
Trichloroethene	2238	50	2500		89.5	71.8	139	2334	4.24	20	
Vinyl chloride	2092	50	2500		83.7	70	132	2132	1.94	20	
Surr: 4-Bromofluorobenzene	2551	0	2500		102	70	130	2561	0	0	
Surr: Dibromofluoromethane	2481	0	2500		99.2	70	130	2444	0	0	
Surr: Toluene-d8	2466	0	2500		98.7	70	130	2509	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209882

Sample ID: **MB-209882** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295674**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209882** Analysis Date: **07/10/2015** Seq No: **6305018**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	10									
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3´-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209882

Sample ID: **MB-209882** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295674**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209882** Analysis Date: **07/10/2015** Seq No: **6305018**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209882

Sample ID: **MB-209882** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295674**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209882** Analysis Date: **07/10/2015** Seq No: **6305018**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	64.65	0	100.0		64.6	52	133				
Surr: 2-Fluorobiphenyl	41.20	0	50.00		82.4	50	121				
Surr: 2-Fluorophenol	60.62	0	100.0		60.6	27.5	120				
Surr: 4-Terphenyl-d14	44.04	0	50.00		88.1	46.3	137				
Surr: Nitrobenzene-d5	47.18	0	50.00		94.4	41.2	121				
Surr: Phenol-d5	91.50	0	100.0		91.5	14.3	120				

Sample ID: **LCS-209882** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295674**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209882** Analysis Date: **07/10/2015** Seq No: **6305023**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	81.62	25	100.0		81.6	70	130				
2,4,6-Trichlorophenol	90.46	10	100.0		90.5	70	130				
2,4-Dichlorophenol	77.85	10	100.0		77.8	70	130				
2,4-Dimethylphenol	71.32	10	100.0		71.3	70	130				
2,4-Dinitrotoluene	89.72	10	100.0		89.7	70	130				
2,6-Dinitrotoluene	95.41	10	100.0		95.4	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209882

Sample ID: **LCS-209882**	Client ID:		Units: **ug/L**	Prep Date: **07/08/2015**	Run No: **295674**
SampleType: **LCS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **209882**	Analysis Date: **07/10/2015**	Seq No: **6305023**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	76.40	10	100.0		76.4	50	130				
2-Methylphenol	80.13	10	100.0		80.1	70	130				
3,3´-Dichlorobenzidine	51.14	10	100.0		51.1	10	130				
4-Bromophenyl phenyl ether	89.75	10	100.0		89.8	70	130				
4-Chloro-3-methylphenol	91.57	10	100.0		91.6	70	130				
4-Methylphenol	90.98	10	100.0		91.0	70	130				
Acenaphthene	132.8	10	150.0		88.5	70	130				
Acenaphthylene	93.58	10	100.0		93.6	70	130				
Anthracene	88.80	10	100.0		88.8	70	130				
Benz(a)anthracene	95.64	10	100.0		95.6	70	130				
Benzo(a)pyrene	48.54	10	50.00		97.1	70	130				
Benzo(b)fluoranthene	90.94	10	100.0		90.9	70	130				
Bis(2-chloroethoxy)methane	84.75	10	100.0		84.8	70	130				
Bis(2-chloroethyl)ether	88.98	10	100.0		89.0	70	130				
Bis(2-chloroisopropyl)ether	95.50	10	100.0		95.5	50	130				
Bis(2-ethylhexyl)phthalate	102.0	10	100.0		102	70	130				
Chrysene	86.09	10	100.0		86.1	70	130				
Di-n-butyl phthalate	101.8	10	100.0		102	70	130				
Di-n-octyl phthalate	55.05	10	50.00		110	70	130				
Dibenz(a,h)anthracene	88.94	10	100.0		88.9	70	130				
Diethyl phthalate	84.87	10	100.0		84.9	70	130				
Dimethyl phthalate	90.68	10	100.0		90.7	70	130				
Fluoranthene	48.32	10	50.00		96.6	70	130				
Fluorene	86.51	10	100.0		86.5	70	130				
Hexachlorobenzene	79.11	10	100.0		79.1	70	130				
Hexachlorobutadiene	91.53	10	150.0		61.0	70	130				S
N-Nitrosodiphenylamine	118.1	10	150.0		78.7	40	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209882

Sample ID: **LCS-209882** Client ID: Units: **ug/L** Prep Date: **07/08/2015** Run No: **295674**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209882** Analysis Date: **07/10/2015** Seq No: **6305023**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	75.54	10	100.0		75.5	70	130				
Nitrobenzene	82.67	10	100.0		82.7	70	130				
Pyrene	86.39	10	100.0		86.4	70	130				
Surr: 2,4,6-Tribromophenol	90.61	0	100.0		90.6	52	133				
Surr: 2-Fluorobiphenyl	48.24	0	50.00		96.5	50	121				
Surr: 2-Fluorophenol	60.17	0	100.0		60.2	27.5	120				
Surr: 4-Terphenyl-d14	45.74	0	50.00		91.5	46.3	137				
Surr: Nitrobenzene-d5	51.29	0	50.00		103	41.2	121				
Surr: Phenol-d5	83.14	0	100.0		83.1	14.3	120				

Sample ID: **1507504-001BMS** Client ID: **FB-01-01** Units: **ug/L** Prep Date: **07/08/2015** Run No: **295674**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209882** Analysis Date: **07/10/2015** Seq No: **6306483**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	61.80	25	100.0		61.8	51.6	123				
2,4,6-Trichlorophenol	66.75	10	100.0		66.8	49.1	125				
2,4-Dichlorophenol	52.18	10	100.0		52.2	50.9	120				
2,4-Dimethylphenol	48.76	10	100.0		48.8	41.2	120				
2,4-Dinitrotoluene	73.03	10	100.0		73.0	50.5	120				
2,6-Dinitrotoluene	74.04	10	100.0		74.0	51.5	127				
2-Chlorophenol	46.11	10	100.0		46.1	51.4	120				S
2-Methylphenol	51.55	10	100.0		51.6	47.1	120				
3,3´-Dichlorobenzidine	42.71	10	100.0		42.7	21.6	120				
4-Bromophenyl phenyl ether	69.04	10	100.0		69.0	50.1	128				
4-Chloro-3-methylphenol	66.88	10	100.0		66.9	50	121				
4-Methylphenol	59.77	10	100.0		59.8	46.7	120				
Acenaphthene	104.9	10	150.0		69.9	53.9	120				
Acenaphthylene	71.25	10	100.0		71.2	48.4	121				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209882

Sample ID: **1507504-001BMS** Client ID: **FB-01-01** Units: **ug/L** Prep Date: **07/08/2015** Run No: **295674**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209882** Analysis Date: **07/10/2015** Seq No: **6306483**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	71.86	10	100.0		71.9	56.7	120				
Benz(a)anthracene	78.24	10	100.0		78.2	51.1	128				
Benzo(a)pyrene	38.65	10	50.00		77.3	51	124				
Benzo(b)fluoranthene	73.76	10	100.0		73.8	50.3	125				
Bis(2-chloroethoxy)methane	60.35	10	100.0		60.4	55.9	120				
Bis(2-chloroethyl)ether	57.33	10	100.0		57.3	40.7	125				
Bis(2-chloroisopropyl)ether	62.15	10	100.0		62.2	41	120				
Bis(2-ethylhexyl)phthalate	80.03	10	100.0		80.0	51.8	130				
Chrysene	71.96	10	100.0		72.0	50.3	120				
Di-n-butyl phthalate	79.92	10	100.0		79.9	50.9	126				
Di-n-octyl phthalate	42.34	10	50.00		84.7	52.4	130				
Dibenz(a,h)anthracene	72.50	10	100.0		72.5	51.2	125				
Diethyl phthalate	71.64	10	100.0		71.6	50.9	124				
Dimethyl phthalate	71.72	10	100.0		71.7	55.8	130				
Fluoranthene	39.14	10	50.00		78.3	52.3	126				
Fluorene	69.25	10	100.0		69.2	48.6	120				
Hexachlorobenzene	63.58	10	100.0		63.6	47.7	119				
Hexachlorobutadiene	63.11	10	150.0		42.1	43.5	120				S
N-Nitrosodiphenylamine	95.84	10	150.0		63.9	50.6	120				
Naphthalene	51.31	10	100.0		51.3	50	120				
Nitrobenzene	55.27	10	100.0		55.3	51	120				
Pyrene	71.60	10	100.0		71.6	53	112				
Surr: 2,4,6-Tribromophenol	74.06	0	100.0		74.1	52	133				
Surr: 2-Fluorobiphenyl	36.03	0	50.00		72.1	50	121				
Surr: 2-Fluorophenol	30.95	0	100.0		31.0	27.5	120				
Surr: 4-Terphenyl-d14	37.92	0	50.00		75.8	46.3	137				
Surr: Nitrobenzene-d5	35.63	0	50.00		71.3	41.2	121				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209882

Sample ID: **1507504-001BMS**	Client ID: **FB-01-01**				Units: **ug/L**		Prep Date: **07/08/2015**		Run No: **295674**	
SampleType: **MS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**				BatchID: **209882**		Analysis Date: **07/10/2015**		Seq No: **6306483**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	53.19	0	100.0		53.2	14.3	120				

Sample ID: **1507504-001BMSD**	Client ID: **FB-01-01**				Units: **ug/L**		Prep Date: **07/08/2015**		Run No: **295674**	
SampleType: **MSD**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**				BatchID: **209882**		Analysis Date: **07/10/2015**		Seq No: **6306484**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	67.42	25	100.0		67.4	51.6	123	61.80	8.70	30.4	
2,4,6-Trichlorophenol	73.87	10	100.0		73.9	49.1	125	66.75	10.1	35.7	
2,4-Dichlorophenol	61.25	10	100.0		61.2	50.9	120	52.18	16.0	31.8	
2,4-Dimethylphenol	60.07	10	100.0		60.1	41.2	120	48.76	20.8	20	R
2,4-Dinitrotoluene	77.57	10	100.0		77.6	50.5	120	73.03	6.03	24.4	
2,6-Dinitrotoluene	81.41	10	100.0		81.4	51.5	127	74.04	9.48	22.4	
2-Chlorophenol	56.23	10	100.0		56.2	51.4	120	46.11	19.8	27.3	
2-Methylphenol	62.69	10	100.0		62.7	47.1	120	51.55	19.5	20	
3,3´-Dichlorobenzidine	49.85	10	100.0		49.8	21.6	120	42.71	15.4	25.3	
4-Bromophenyl phenyl ether	74.14	10	100.0		74.1	50.1	128	69.04	7.12	19.8	
4-Chloro-3-methylphenol	75.55	10	100.0		75.6	50	121	66.88	12.2	26.5	
4-Methylphenol	72.88	10	100.0		72.9	46.7	120	59.77	19.8	26.6	
Acenaphthene	114.8	10	150.0		76.5	53.9	120	104.9	9.02	22.5	
Acenaphthylene	77.79	10	100.0		77.8	48.4	121	71.25	8.78	29.6	
Anthracene	75.84	10	100.0		75.8	56.7	120	71.86	5.39	20	
Benz(a)anthracene	83.03	10	100.0		83.0	51.1	128	78.24	5.94	34.2	
Benzo(a)pyrene	41.32	10	50.00		82.6	51	124	38.65	6.68	20	
Benzo(b)fluoranthene	76.65	10	100.0		76.6	50.3	125	73.76	3.84	20	
Bis(2-chloroethoxy)methane	71.31	10	100.0		71.3	55.9	120	60.35	16.6	20	
Bis(2-chloroethyl)ether	71.90	10	100.0		71.9	40.7	125	57.33	22.5	27.2	
Bis(2-chloroisopropyl)ether	75.73	10	100.0		75.7	41	120	62.15	19.7	33.7	
Bis(2-ethylhexyl)phthalate	85.19	10	100.0		85.2	51.8	130	80.03	6.25	35.8	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209882

Sample ID: **1507504-001BMSD** Client ID: **FB-01-01** Units: **ug/L** Prep Date: **07/08/2015** Run No: **295674**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209882** Analysis Date: **07/10/2015** Seq No: **6306484**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chrysene	77.55	10	100.0		77.6	50.3	120	71.96	7.48	24.5	
Di-n-butyl phthalate	84.72	10	100.0		84.7	50.9	126	79.92	5.83	37.8	
Di-n-octyl phthalate	45.15	10	50.00		90.3	52.4	130	42.34	6.42	20.2	
Dibenz(a,h)anthracene	77.40	10	100.0		77.4	51.2	125	72.50	6.54	33.3	
Diethyl phthalate	74.49	10	100.0		74.5	50.9	124	71.64	3.90	20.2	
Dimethyl phthalate	76.98	10	100.0		77.0	55.8	130	71.72	7.07	27.6	
Fluoranthene	41.20	10	50.00		82.4	52.3	126	39.14	5.13	20	
Fluorene	75.15	10	100.0		75.2	48.6	120	69.25	8.17	25.1	
Hexachlorobenzene	68.15	10	100.0		68.2	47.7	119	63.58	6.94	22.7	
Hexachlorobutadiene	74.32	10	150.0		49.5	43.5	120	63.11	16.3	33.3	
N-Nitrosodiphenylamine	102.1	10	150.0		68.0	50.6	120	95.84	6.30	28	
Naphthalene	61.96	10	100.0		62.0	50	120	51.31	18.8	24	
Nitrobenzene	67.42	10	100.0		67.4	51	120	55.27	19.8	20.9	
Pyrene	76.80	10	100.0		76.8	53	112	71.60	7.01	22.3	
Surr: 2,4,6-Tribromophenol	78.27	0	100.0		78.3	52	133	74.06	0	0	
Surr: 2-Fluorobiphenyl	40.67	0	50.00		81.3	50	121	36.03	0	0	
Surr: 2-Fluorophenol	36.68	0	100.0		36.7	27.5	120	30.95	0	0	
Surr: 4-Terphenyl-d14	40.23	0	50.00		80.5	46.3	137	37.92	0	0	
Surr: Nitrobenzene-d5	44.32	0	50.00		88.6	41.2	121	35.63	0	0	
Surr: Phenol-d5	63.55	0	100.0		63.6	14.3	120	53.19	0	0	

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209963

Sample ID: **MB-209963** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295679**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209963** Analysis Date: **07/10/2015** Seq No: **6304945**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3´-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209963

Sample ID: **MB-209963** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295679**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209963** Analysis Date: **07/10/2015** Seq No: **6304945**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	330									
Atrazine	BRL	330									
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209963

Sample ID: **MB-209963**	Client ID:		Units: **ug/Kg**	Prep Date: **07/10/2015**	Run No: **295679**
SampleType: **MBLK**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **209963**	Analysis Date: **07/10/2015**	Seq No: **6304945**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									
N-Nitrosodiphenylamine	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2766	0	3333		83.0	41	128				
Surr: 2-Fluorobiphenyl	1221	0	1667		73.3	47	120				
Surr: 2-Fluorophenol	2023	0	3333		60.7	38.3	120				
Surr: 4-Terphenyl-d14	1442	0	1667		86.5	51.4	125				
Surr: Nitrobenzene-d5	1024	0	1667		61.4	40.1	120				
Surr: Phenol-d5	2222	0	3333		66.6	40.3	120				

Sample ID: **LCS-209963**	Client ID:		Units: **ug/Kg**	Prep Date: **07/10/2015**	Run No: **295713**
SampleType: **LCS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **209963**	Analysis Date: **07/10/2015**	Seq No: **6306009**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	2660	1700	3333		79.8	70	130				
2,4,6-Trichlorophenol	2791	330	3333		83.7	70	130				
2,4-Dichlorophenol	2592	330	3333		77.8	70	130				
2,4-Dimethylphenol	2520	330	3333		75.6	70	130				
2,4-Dinitrotoluene	2866	330	3333		86.0	70	130				
2,6-Dinitrotoluene	2973	330	3333		89.2	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209963

Sample ID: **LCS-209963** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295713**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209963** Analysis Date: **07/10/2015** Seq No: **6306009**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2560	330	3333		76.8	50	130				
2-Methylphenol	2844	330	3333		85.3	70	130				
3,3´-Dichlorobenzidine	1770	670	3333		53.1	10	130				
4-Bromophenyl phenyl ether	2909	330	3333		87.3	70	130				
4-Chloro-3-methylphenol	3268	330	3333		98.0	50	130				
4-Methylphenol	3000	330	3333		90.0	70	130				
Acenaphthene	4448	330	5000		89.0	70	130				
Acenaphthylene	2876	330	3333		86.3	70	130				
Anthracene	3066	330	3333		92.0	70	130				
Benz(a)anthracene	3110	330	3333		93.3	70	130				
Benzo(a)pyrene	1590	330	1667		95.4	70	130				
Benzo(b)fluoranthene	2903	330	3333		87.1	70	130				
Bis(2-chloroethoxy)methane	2898	330	3333		86.9	70	130				
Bis(2-chloroethyl)ether	2589	330	3333		77.7	70	130				
Bis(2-chloroisopropyl)ether	2485	330	3333		74.6	50	130				
Bis(2-ethylhexyl)phthalate	3401	330	3333		102	70	130				
Chrysene	3234	330	3333		97.0	70	130				
Di-n-butyl phthalate	3505	330	3333		105	70	130				
Di-n-octyl phthalate	1769	330	1667		106	70	130				
Dibenz(a,h)anthracene	2830	330	3333		84.9	70	130				
Diethyl phthalate	3298	330	3333		98.9	70	130				
Dimethyl phthalate	2983	330	3333		89.5	70	130				
Fluoranthene	1673	330	1667		100	70	130				
Fluorene	2897	330	3333		86.9	70	130				
Hexachlorobenzene	2753	330	3333		82.6	70	130				
Hexachlorobutadiene	3995	330	5000		79.9	70	130				
N-Nitrosodiphenylamine	4007	330	5000		80.1	40	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209963

Sample ID: **LCS-209963**	Client ID:		Units: **ug/Kg**	Prep Date: **07/10/2015**	Run No: **295713**
SampleType: **LCS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **209963**	Analysis Date: **07/10/2015**	Seq No: **6306009**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	2566	330	3333		77.0	70	130				
Nitrobenzene	2467	330	3333		74.0	70	130				
Pyrene	3165	330	3333		95.0	70	130				
Surr: 2,4,6-Tribromophenol	2398	0	3333		72.0	41	128				
Surr: 2-Fluorobiphenyl	1472	0	1667		88.3	47	120				
Surr: 2-Fluorophenol	2662	0	3333		79.8	38.3	120				
Surr: 4-Terphenyl-d14	1574	0	1667		94.4	51.4	125				
Surr: Nitrobenzene-d5	1601	0	1667		96.1	40.1	120				
Surr: Phenol-d5	3005	0	3333		90.2	40.3	120				

Sample ID: **1507504-007BMS**	Client ID: **SB-09-01X005XX**		Units: **ug/Kg-dry**	Prep Date: **07/10/2015**	Run No: **295679**
SampleType: **MS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**		BatchID: **209963**	Analysis Date: **07/10/2015**	Seq No: **6306459**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	2359	1900	3776		62.5	42.7	120				
2,4,6-Trichlorophenol	2515	370	3776		66.6	46	120				
2,4-Dichlorophenol	2449	370	3776		64.9	41.4	120				
2,4-Dimethylphenol	2074	370	3776		54.9	44	120				
2,4-Dinitrotoluene	2446	370	3776		64.8	41.7	120				
2,6-Dinitrotoluene	2456	370	3776		65.0	43.8	123				
2-Chlorophenol	2084	370	3776		55.2	42.9	120				
2-Methylphenol	2095	370	3776		55.5	41.5	120				
3,3´-Dichlorobenzidine	1992	760	3776		52.8	26	120				
4-Bromophenyl phenyl ether	2778	370	3776		73.6	43.5	123				
4-Chloro-3-methylphenol	2223	370	3776		58.9	41.1	120				
4-Methylphenol	2232	370	3776		59.1	42.9	120				
Acenaphthene	3966	370	3776		105	51.5	120				
Acenaphthylene	2547	370	3776		67.5	46.2	121				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209963

Sample ID: **1507504-007BMS** Client ID: **SB-09-01X005XX** Units: **ug/Kg-dry** Prep Date: **07/10/2015** Run No: **295679**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209963** Analysis Date: **07/10/2015** Seq No: **6306459**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	2552	370	3776		67.6	53.4	120				
Benz(a)anthracene	2798	370	3776		74.1	46.8	123				
Benzo(a)pyrene	1314	370	3776		34.8	37.5	122				S
Benzo(b)fluoranthene	2470	370	3776		65.4	34.7	124				
Bis(2-chloroethoxy)methane	2317	370	3776		61.4	48.7	120				
Bis(2-chloroethyl)ether	1984	370	3776		52.6	41.3	120				
Bis(2-chloroisopropyl)ether	1826	370	3776		48.4	34	120				
Bis(2-ethylhexyl)phthalate	2159	370	3776		57.2	43.3	132				
Chrysene	2544	370	3776		67.4	50.8	120				
Di-n-butyl phthalate	2511	370	3776		66.5	50.5	129				
Di-n-octyl phthalate	1167	370	3776		30.9	44.9	123				S
Dibenz(a,h)anthracene	2640	370	3776		69.9	44.9	126				
Diethyl phthalate	2561	370	3776		67.8	48	120				
Dimethyl phthalate	2527	370	3776		66.9	51	121				
Fluoranthene	1383	370	3776		36.6	47.4	119				S
Fluorene	2630	370	3776		69.7	50.1	120				
Hexachlorobenzene	2944	370	3776		78.0	48.1	120				
Hexachlorobutadiene	4615	370	3776		122	40.6	120				S
N-Nitrosodiphenylamine	3269	370	3776		86.6	36.2	120				
Naphthalene	2276	370	3776		60.3	44.7	120				
Nitrobenzene	2111	370	3776		55.9	42.3	120				
Pyrene	2249	370	3776		59.6	45.2	120				
Surr: 2,4,6-Tribromophenol	2675	0	3776		70.8	41	128				
Surr: 2-Fluorobiphenyl	1345	0	1888		71.3	47	120				
Surr: 2-Fluorophenol	1919	0	3776		50.8	38.3	120				
Surr: 4-Terphenyl-d14	1164	0	1888		61.7	51.4	125				
Surr: Nitrobenzene-d5	1175	0	1888		62.2	40.1	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209963

Sample ID: **1507504-007BMS**	Client ID: **SB-09-01X005XX**			Units: **ug/Kg-dry**	Prep Date: **07/10/2015**	Run No: **295679**
SampleType: **MS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**			BatchID: **209963**	Analysis Date: **07/10/2015**	Seq No: **6306459**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	2003	0	3776		53.1	40.3	120				

Sample ID: **1507504-007BMSD**	Client ID: **SB-09-01X005XX**			Units: **ug/Kg-dry**	Prep Date: **07/10/2015**	Run No: **295679**
SampleType: **MSD**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**			BatchID: **209963**	Analysis Date: **07/10/2015**	Seq No: **6306460**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	2753	1900	3776		72.9	42.7	120	2359	15.4	29.8	
2,4,6-Trichlorophenol	2856	370	3776		75.6	46	120	2515	12.7	31.2	
2,4-Dichlorophenol	2754	370	3776		73.0	41.4	120	2449	11.7	31	
2,4-Dimethylphenol	2295	370	3776		60.8	44	120	2074	10.1	25.9	
2,4-Dinitrotoluene	2846	370	3776		75.4	41.7	120	2446	15.1	33.1	
2,6-Dinitrotoluene	2883	370	3776		76.4	43.8	123	2456	16.0	20	
2-Chlorophenol	2288	370	3776		60.6	42.9	120	2084	9.31	30.7	
2-Methylphenol	2326	370	3776		61.6	41.5	120	2095	10.4	23.1	
3,3´-Dichlorobenzidine	2258	760	3776		59.8	26	120	1992	12.5	41	
4-Bromophenyl phenyl ether	3197	370	3776		84.7	43.5	123	2778	14.0	31.9	
4-Chloro-3-methylphenol	2529	370	3776		67.0	41.1	120	2223	12.9	40.5	
4-Methylphenol	2461	370	3776		65.2	42.9	120	2232	9.75	30.7	
Acenaphthene	4413	370	3776		117	51.5	120	3966	10.7	26.3	
Acenaphthylene	2862	370	3776		75.8	46.2	121	2547	11.6	20	
Anthracene	2951	370	3776		78.2	53.4	120	2552	14.5	40.3	
Benz(a)anthracene	3203	370	3776		84.8	46.8	123	2798	13.5	29	
Benzo(a)pyrene	1626	370	3776		43.1	37.5	122	1314	21.2	28.7	
Benzo(b)fluoranthene	2922	370	3776		77.4	34.7	124	2470	16.7	26.8	
Bis(2-chloroethoxy)methane	2520	370	3776		66.8	48.7	120	2317	8.40	20	
Bis(2-chloroethyl)ether	2197	370	3776		58.2	41.3	120	1984	10.2	21.9	
Bis(2-chloroisopropyl)ether	2058	370	3776		54.5	34	120	1826	12.0	32.4	
Bis(2-ethylhexyl)phthalate	2457	370	3776		65.1	43.3	132	2159	12.9	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209963

Sample ID: **1507504-007BMSD** Client ID: **SB-09-01X005XX** Units: **ug/Kg-dry** Prep Date: **07/10/2015** Run No: **295679**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209963** Analysis Date: **07/10/2015** Seq No: **6306460**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chrysene	2888	370	3776		76.5	50.8	120	2544	12.7	36.8	
Di-n-butyl phthalate	2889	370	3776		76.5	50.5	129	2511	14.0	20	
Di-n-octyl phthalate	1334	370	3776		35.3	44.9	123	1167	13.3	19.3	S
Dibenz(a,h)anthracene	3131	370	3776		82.9	44.9	126	2640	17.0	30.4	
Diethyl phthalate	2967	370	3776		78.6	48	120	2561	14.7	28.1	
Dimethyl phthalate	2895	370	3776		76.7	51	121	2527	13.6	20	
Fluoranthene	1618	370	3776		42.8	47.4	119	1383	15.7	26.7	S
Fluorene	3004	370	3776		79.6	50.1	120	2630	13.3	27.4	
Hexachlorobenzene	3380	370	3776		89.5	48.1	120	2944	13.8	33.6	
Hexachlorobutadiene	5202	370	3776		138	40.6	120	4615	12.0	35.9	S
N-Nitrosodiphenylamine	3827	370	3776		101	36.2	120	3269	15.7	31.3	
Naphthalene	2546	370	3776		67.4	44.7	120	2276	11.2	20.4	
Nitrobenzene	2396	370	3776		63.5	42.3	120	2111	12.6	20.8	
Pyrene	2528	370	3776		67.0	45.2	120	2249	11.7	35	
Surr: 2,4,6-Tribromophenol	3083	0	3776		81.7	41	128	2675	0	0	
Surr: 2-Fluorobiphenyl	1496	0	1888		79.2	47	120	1345	0	0	
Surr: 2-Fluorophenol	2063	0	3776		54.6	38.3	120	1919	0	0	
Surr: 4-Terphenyl-d14	1312	0	1888		69.5	51.4	125	1164	0	0	
Surr: Nitrobenzene-d5	1283	0	1888		68.0	40.1	120	1175	0	0	
Surr: Phenol-d5	2201	0	3776		58.3	40.3	120	2003	0	0	

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209964

Sample ID: **MB-209964** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295713**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209964** Analysis Date: **07/10/2015** Seq No: **6305517**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3´-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209964

Sample ID: **MB-209964** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295713**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209964** Analysis Date: **07/10/2015** Seq No: **6305517**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	330									
Atrazine	BRL	330									
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209964

Sample ID: **MB-209964** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295713**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209964** Analysis Date: **07/10/2015** Seq No: **6305517**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									
N-Nitrosodiphenylamine	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2115	0	3333		63.4	41	128				
Surr: 2-Fluorobiphenyl	1187	0	1667		71.2	47	120				
Surr: 2-Fluorophenol	2407	0	3333		72.2	38.3	120				
Surr: 4-Terphenyl-d14	1335	0	1667		80.1	51.4	125				
Surr: Nitrobenzene-d5	1269	0	1667		76.1	40.1	120				
Surr: Phenol-d5	2583	0	3333		77.5	40.3	120				

Sample ID: **LCS-209964** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295713**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209964** Analysis Date: **07/10/2015** Seq No: **6305602**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	2739	1700	3333		82.2	70	130				
2,4,6-Trichlorophenol	2943	330	3333		88.3	70	130				
2,4-Dichlorophenol	2748	330	3333		82.4	70	130				
2,4-Dimethylphenol	2879	330	3333		86.4	70	130				
2,4-Dinitrotoluene	3035	330	3333		91.0	70	130				
2,6-Dinitrotoluene	2984	330	3333		89.5	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209964

Sample ID: **LCS-209964** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295713**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209964** Analysis Date: **07/10/2015** Seq No: **6305602**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Chlorophenol	2686	330	3333		80.6	50	130				
2-Methylphenol	3046	330	3333		91.4	70	130				
3,3´-Dichlorobenzidine	1382	670	3333		41.5	10	130				
4-Bromophenyl phenyl ether	2990	330	3333		89.7	70	130				
4-Chloro-3-methylphenol	3499	330	3333		105	50	130				
4-Methylphenol	3315	330	3333		99.4	70	130				
Acenaphthene	4691	330	5000		93.8	70	130				
Acenaphthylene	2920	330	3333		87.6	70	130				
Anthracene	3118	330	3333		93.5	70	130				
Benz(a)anthracene	3155	330	3333		94.6	70	130				
Benzo(a)pyrene	1613	330	1667		96.8	70	130				
Benzo(b)fluoranthene	2984	330	3333		89.5	70	130				
Bis(2-chloroethoxy)methane	3177	330	3333		95.3	70	130				
Bis(2-chloroethyl)ether	2776	330	3333		83.3	70	130				
Bis(2-chloroisopropyl)ether	2693	330	3333		80.8	50	130				
Bis(2-ethylhexyl)phthalate	3484	330	3333		105	70	130				
Chrysene	3370	330	3333		101	70	130				
Di-n-butyl phthalate	3464	330	3333		104	70	130				
Di-n-octyl phthalate	1781	330	1667		107	70	130				
Dibenz(a,h)anthracene	2989	330	3333		89.7	70	130				
Diethyl phthalate	3548	330	3333		106	70	130				
Dimethyl phthalate	3040	330	3333		91.2	70	130				
Fluoranthene	1641	330	1667		98.4	70	130				
Fluorene	3080	330	3333		92.4	70	130				
Hexachlorobenzene	2787	330	3333		83.6	70	130				
Hexachlorobutadiene	4518	330	5000		90.4	70	130				
N-Nitrosodiphenylamine	3706	330	5000		74.1	40	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209964

Sample ID: **LCS-209964**	Client ID:		Units: **ug/Kg**	Prep Date: **07/10/2015**	Run No: **295713**
SampleType: **LCS**	TestCode: **TCL-SEMIVOLATILE ORGANICS** **SW8270D**		BatchID: **209964**	Analysis Date: **07/10/2015**	Seq No: **6305602**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	2890	330	3333		86.7	70	130				
Nitrobenzene	2633	330	3333		79.0	70	130				
Pyrene	3182	330	3333		95.4	70	130				
Surr: 2,4,6-Tribromophenol	2577	0	3333		77.3	41	128				
Surr: 2-Fluorobiphenyl	1526	0	1667		91.6	47	120				
Surr: 2-Fluorophenol	2574	0	3333		77.2	38.3	120				
Surr: 4-Terphenyl-d14	1569	0	1667		94.1	51.4	125				
Surr: Nitrobenzene-d5	1704	0	1667		102	40.1	120				
Surr: Phenol-d5	2991	0	3333		89.7	40.3	120				

Sample ID: **1507504-026BMS**	Client ID: **SB-09-04X015XX**		Units: **ug/Kg-dry**	Prep Date: **07/10/2015**	Run No: **295713**
SampleType: **MS**	TestCode: **TCL-SEMIVOLATILE ORGANICS** **SW8270D**		BatchID: **209964**	Analysis Date: **07/10/2015**	Seq No: **6306810**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	2716	2100	4062		66.9	42.7	120				
2,4,6-Trichlorophenol	2966	400	4062		73.0	46	120				
2,4-Dichlorophenol	2821	400	4062		69.5	41.4	120				
2,4-Dimethylphenol	2643	400	4062		65.1	44	120				
2,4-Dinitrotoluene	3086	400	4062		76.0	41.7	120				
2,6-Dinitrotoluene	3047	400	4062		75.0	43.8	123				
2-Chlorophenol	2596	400	4062		63.9	42.9	120				
2-Methylphenol	2935	400	4062		72.2	41.5	120				
3,3´-Dichlorobenzidine	1887	820	4062		46.4	26	120				
4-Bromophenyl phenyl ether	3109	400	4062		76.5	43.5	123				
4-Chloro-3-methylphenol	3542	400	4062		87.2	41.1	120				
4-Methylphenol	3140	400	4062		77.3	42.9	120				
Acenaphthene	4987	400	6093		81.8	51.5	120				
Acenaphthylene	3150	400	4062		77.6	46.2	121				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209964

Sample ID: **1507504-026BMS** Client ID: **SB-09-04X015XX** Units: **ug/Kg-dry** Prep Date: **07/10/2015** Run No: **295713**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209964** Analysis Date: **07/10/2015** Seq No: **6306810**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	3218	400	4062		79.2	53.4	120				
Benz(a)anthracene	3249	400	4062		80.0	46.8	123				
Benzo(a)pyrene	1658	400	2031		81.6	37.5	122				
Benzo(b)fluoranthene	2927	400	4062		72.1	34.7	124				
Bis(2-chloroethoxy)methane	3229	400	4062		79.5	48.7	120				
Bis(2-chloroethyl)ether	2715	400	4062		66.8	41.3	120				
Bis(2-chloroisopropyl)ether	2638	400	4062		65.0	34	120				
Bis(2-ethylhexyl)phthalate	3611	400	4062		88.9	43.3	132				
Chrysene	3405	400	4062		83.8	50.8	120				
Di-n-butyl phthalate	3546	400	4062		87.3	50.5	129				
Di-n-octyl phthalate	1873	400	2031		92.2	44.9	123				
Dibenz(a,h)anthracene	2930	400	4062		72.1	44.9	126				
Diethyl phthalate	3692	400	4062		90.9	48	120				
Dimethyl phthalate	3183	400	4062		78.4	51	121				
Fluoranthene	1692	400	2031		83.3	47.4	119				
Fluorene	3209	400	4062		79.0	50.1	120				
Hexachlorobenzene	2930	400	4062		72.1	48.1	120				
Hexachlorobutadiene	4461	400	6093		73.2	40.6	120				
N-Nitrosodiphenylamine	3988	400	6093		65.5	36.2	120				
Naphthalene	2915	400	4062		71.8	44.7	120				
Nitrobenzene	2669	400	4062		65.7	42.3	120				
Pyrene	3351	400	4062		82.5	45.2	120				
Surr: 2,4,6-Tribromophenol	2529	0	4062		62.3	41	128				
Surr: 2-Fluorobiphenyl	1593	0	2031		78.4	47	120				
Surr: 2-Fluorophenol	2495	0	4062		61.4	38.3	120				
Surr: 4-Terphenyl-d14	1628	0	2031		80.2	51.4	125				
Surr: Nitrobenzene-d5	1694	0	2031		83.4	40.1	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209964

Sample ID: **1507504-026BMS**	Client ID: **SB-09-04X015XX**			Units: **ug/Kg-dry**	Prep Date: **07/10/2015**	Run No: **295713**
SampleType: **MS**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**			BatchID: **209964**	Analysis Date: **07/10/2015**	Seq No: **6306810**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	2951	0	4062		72.7	40.3	120				

Sample ID: **1507504-026BMSD**	Client ID: **SB-09-04X015XX**			Units: **ug/Kg-dry**	Prep Date: **07/10/2015**	Run No: **295713**
SampleType: **MSD**	TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D**			BatchID: **209964**	Analysis Date: **07/10/2015**	Seq No: **6306811**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	2530	2100	4062		62.3	42.7	120	2716	7.11	29.8	
2,4,6-Trichlorophenol	2743	400	4062		67.5	46	120	2966	7.81	31.2	
2,4-Dichlorophenol	2573	400	4062		63.3	41.4	120	2821	9.22	31	
2,4-Dimethylphenol	2441	400	4062		60.1	44	120	2643	7.93	25.9	
2,4-Dinitrotoluene	2901	400	4062		71.4	41.7	120	3086	6.19	33.1	
2,6-Dinitrotoluene	2854	400	4062		70.2	43.8	123	3047	6.55	20	
2-Chlorophenol	2443	400	4062		60.1	42.9	120	2596	6.09	30.7	
2-Methylphenol	2716	400	4062		66.9	41.5	120	2935	7.73	23.1	
3,3´-Dichlorobenzidine	1688	820	4062		41.6	26	120	1887	11.1	41	
4-Bromophenyl phenyl ether	2813	400	4062		69.2	43.5	123	3109	10.0	31.9	
4-Chloro-3-methylphenol	3196	400	4062		78.7	41.1	120	3542	10.3	40.5	
4-Methylphenol	2767	400	4062		68.1	42.9	120	3140	12.6	30.7	
Acenaphthene	4520	400	6093		74.2	51.5	120	4987	9.83	26.3	
Acenaphthylene	2886	400	4062		71.0	46.2	121	3150	8.78	20	
Anthracene	2925	400	4062		72.0	53.4	120	3218	9.53	40.3	
Benz(a)anthracene	3008	400	4062		74.0	46.8	123	3249	7.70	29	
Benzo(a)pyrene	1511	400	2031		74.4	37.5	122	1658	9.28	28.7	
Benzo(b)fluoranthene	2749	400	4062		67.7	34.7	124	2927	6.28	26.8	
Bis(2-chloroethoxy)methane	2936	400	4062		72.3	48.7	120	3229	9.50	20	
Bis(2-chloroethyl)ether	2477	400	4062		61.0	41.3	120	2715	9.15	21.9	
Bis(2-chloroisopropyl)ether	2432	400	4062		59.9	34	120	2638	8.12	32.4	
Bis(2-ethylhexyl)phthalate	3340	400	4062		82.2	43.3	132	3611	7.80	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209964

Sample ID: **1507504-026BMSD** Client ID: **SB-09-04X015XX** Units: **ug/Kg-dry** Prep Date: **07/10/2015** Run No: **295713**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **209964** Analysis Date: **07/10/2015** Seq No: **6306811**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chrysene	3175	400	4062		78.2	50.8	120	3405	6.99	36.8	
Di-n-butyl phthalate	3273	400	4062		80.6	50.5	129	3546	8.01	20	
Di-n-octyl phthalate	1684	400	2031		82.9	44.9	123	1873	10.7	19.3	
Dibenz(a,h)anthracene	2759	400	4062		67.9	44.9	126	2930	6.03	30.4	
Diethyl phthalate	3399	400	4062		83.7	48	120	3692	8.27	28.1	
Dimethyl phthalate	2912	400	4062		71.7	51	121	3183	8.86	20	
Fluoranthene	1567	400	2031		77.1	47.4	119	1692	7.70	26.7	
Fluorene	2898	400	4062		71.3	50.1	120	3209	10.2	27.4	
Hexachlorobenzene	2623	400	4062		64.6	48.1	120	2930	11.0	33.6	
Hexachlorobutadiene	4233	400	6093		69.5	40.6	120	4461	5.25	35.9	
N-Nitrosodiphenylamine	3615	400	6093		59.3	36.2	120	3988	9.82	31.3	
Naphthalene	2684	400	4062		66.1	44.7	120	2915	8.26	20.4	
Nitrobenzene	2511	400	4062		61.8	42.3	120	2669	6.10	20.8	
Pyrene	3150	400	4062		77.5	45.2	120	3351	6.20	35	
Surr: 2,4,6-Tribromophenol	2432	0	4062		59.9	41	128	2529	0	0	
Surr: 2-Fluorobiphenyl	1446	0	2031		71.2	47	120	1593	0	0	
Surr: 2-Fluorophenol	2206	0	4062		54.3	38.3	120	2495	0	0	
Surr: 4-Terphenyl-d14	1533	0	2031		75.5	51.4	125	1628	0	0	
Surr: Nitrobenzene-d5	1570	0	2031		77.3	40.1	120	1694	0	0	
Surr: Phenol-d5	2644	0	4062		65.1	40.3	120	2951	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209999

Sample ID: **MB-209999** Client ID: Units: **ug/Kg** Prep Date: **07/09/2015** Run No: **295623**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209999** Analysis Date: **07/09/2015** Seq No: **6303523**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209999

Sample ID: **MB-209999** Client ID: Units: **ug/Kg** Prep Date: **07/09/2015** Run No: **295623**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209999** Analysis Date: **07/09/2015** Seq No: **6303523**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	44.26	0	50.00		88.5	70	130				
Surr: Dibromofluoromethane	58.60	0	50.00		117	70	130				
Surr: Toluene-d8	48.06	0	50.00		96.1	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209999

Sample ID: **LCS-209999** Client ID: Units: **ug/Kg** Prep Date: **07/09/2015** Run No: **295871**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209999** Analysis Date: **07/14/2015** Seq No: **6310672**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	55.17	5.0	50.00		110	70	130				
1,1,2,2-Tetrachloroethane	48.81	5.0	50.00		97.6	70	130				
1,1,2-Trichloroethane	46.16	5.0	50.00		92.3	70	130				
1,1-Dichloroethane	48.42	5.0	50.00		96.8	70	130				
1,1-Dichloroethene	50.10	5.0	50.00		100	60	140				
1,2,4-Trichlorobenzene	86.20	5.0	50.00		172	70	130				S
1,2-Dibromo-3-chloropropane	57.14	5.0	50.00		114	70	130				
1,2-Dibromoethane	48.95	5.0	50.00		97.9	70	130				
1,2-Dichlorobenzene	46.79	5.0	50.00		93.6	70	130				
1,2-Dichloroethane	52.67	5.0	50.00		105	70	130				
1,2-Dichloropropane	47.08	5.0	50.00		94.2	70	130				
1,3-Dichlorobenzene	47.96	5.0	50.00		95.9	70	130				
1,4-Dichlorobenzene	51.18	5.0	50.00		102	70	130				
Benzene	50.52	5.0	50.00		101	70	130				
Bromodichloromethane	49.12	5.0	50.00		98.2	70	130				
Bromoform	52.82	5.0	50.00		106	70	130				
Carbon tetrachloride	55.80	5.0	50.00		112	70	130				
Chlorobenzene	44.53	5.0	50.00		89.1	70	130				
Chloroform	48.79	5.0	50.00		97.6	70	130				
cis-1,2-Dichloroethene	52.65	5.0	50.00		105	70	130				
cis-1,3-Dichloropropene	48.00	5.0	50.00		96.0	70	130				
Dibromochloromethane	47.44	5.0	50.00		94.9	70	130				
Ethylbenzene	49.21	5.0	50.00		98.4	70	130				
Isopropylbenzene	47.26	5.0	50.00		94.5	70	130				
m,p-Xylene	95.16	5.0	100.0		95.2	70	130				
Methylene chloride	57.51	20	50.00		115	70	130				
o-Xylene	47.20	5.0	50.00		94.4	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209999

Sample ID: **LCS-209999** Client ID: Units: **ug/Kg** Prep Date: **07/09/2015** Run No: **295871**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209999** Analysis Date: **07/14/2015** Seq No: **6310672**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	47.21	5.0	50.00		94.4	70	130				
Tetrachloroethene	55.74	5.0	50.00		111	70	130				
Toluene	49.05	5.0	50.00		98.1	70	130				
trans-1,2-Dichloroethene	51.43	5.0	50.00		103	70	130				
trans-1,3-Dichloropropene	45.80	5.0	50.00		91.6	70	130				
Trichloroethene	52.56	5.0	50.00		105	70	130				
Vinyl chloride	38.62	10	50.00		77.2	70	130				
Surr: 4-Bromofluorobenzene	52.19	0	50.00		104	70	130				
Surr: Dibromofluoromethane	50.33	0	50.00		101	70	130				
Surr: Toluene-d8	49.05	0	50.00		98.1	70	130				

Sample ID: **1507504-034AMS** Client ID: **SB-09-06X005XX** Units: **ug/Kg-dry** Prep Date: **07/09/2015** Run No: **295871**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209999** Analysis Date: **07/14/2015** Seq No: **6310145**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	69.21	6.9	68.77		101	70	135				
1,1,2,2-Tetrachloroethane	62.17	6.9	68.77		90.4	70.2	126				
1,1,2-Trichloroethane	64.73	6.9	68.77		94.1	72.3	130				
1,1-Dichloroethane	61.98	6.9	68.77		90.1	60.8	140				
1,1-Dichloroethene	64.84	6.9	68.77		94.3	56.6	151				
1,2,4-Trichlorobenzene	97.21	6.9	68.77		141	62.2	135				S
1,2-Dibromo-3-chloropropane	83.58	6.9	68.77		122	60.6	126				
1,2-Dibromoethane	57.40	6.9	68.77		83.5	74.1	123				
1,2-Dichlorobenzene	58.30	6.9	68.77		84.8	70.4	130				
1,2-Dichloroethane	68.39	6.9	68.77		99.4	70.2	129				
1,2-Dichloropropane	63.16	6.9	68.77		91.8	70.1	129				
1,3-Dichlorobenzene	58.65	6.9	68.77		85.3	70.7	130				
1,4-Dichlorobenzene	62.17	6.9	68.77		90.4	70.6	130				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209999

Sample ID: **1507504-034AMS** Client ID: **SB-09-06X005XX** Units: **ug/Kg-dry** Prep Date: **07/09/2015** Run No: **295871**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209999** Analysis Date: **07/14/2015** Seq No: **6310145**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	65.76	6.9	68.77		95.6	70.4	130				
Bromodichloromethane	68.77	6.9	68.77		100	70	125				
Bromoform	74.31	6.9	68.77		108	65.2	122				
Carbon tetrachloride	74.48	6.9	68.77		108	64.3	138				
Chlorobenzene	57.57	6.9	68.77		83.7	67.5	132				
Chloroform	63.16	6.9	68.77		91.8	73.9	130				
cis-1,2-Dichloroethene	63.45	6.9	68.77		92.3	70.9	139				
cis-1,3-Dichloropropene	63.85	6.9	68.77		92.8	60.4	120				
Dibromochloromethane	60.77	6.9	68.77		88.4	65.1	121				
Ethylbenzene	62.06	6.9	68.77		90.2	64.9	136				
Isopropylbenzene	52.33	6.9	68.77		76.1	70.2	129				
m,p-Xylene	124.0	6.9	137.5		90.2	60.2	138				
Methylene chloride	69.16	28	68.77	18.74	73.3	64.5	158				
o-Xylene	58.87	6.9	68.77		85.6	61.5	134				
Styrene	61.49	6.9	68.77		89.4	72.9	130				
Tetrachloroethene	72.40	6.9	68.77	6.280	96.1	70.1	134				
Toluene	62.57	6.9	68.77		91.0	70.4	130				
trans-1,2-Dichloroethene	64.56	6.9	68.77		93.9	60.4	158				
trans-1,3-Dichloropropene	57.56	6.9	68.77		83.7	60.1	117				
Trichloroethene	65.70	6.9	68.77		95.5	70.1	137				
Vinyl chloride	55.84	14	68.77		81.2	60	128				
Surr: 4-Bromofluorobenzene	74.07	0	68.77		108	70	128				
Surr: Dibromofluoromethane	73.05	0	68.77		106	78.2	128				
Surr: Toluene-d8	68.50	0	68.77		99.6	76.5	116				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209999

Sample ID: **1507504-034AMSD** Client ID: **SB-09-06X005XX** Units: **ug/Kg-dry** Prep Date: **07/09/2015** Run No: **295871**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209999** Analysis Date: **07/14/2015** Seq No: **6310146**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	74.38	6.9	68.77		108	70	135	69.21	7.20	18.7	
1,1,2,2-Tetrachloroethane	66.42	6.9	68.77		96.6	70.2	126	62.17	6.61	15	
1,1,2-Trichloroethane	63.41	6.9	68.77		92.2	72.3	130	64.73	2.06	14.1	
1,1-Dichloroethane	66.49	6.9	68.77		96.7	60.8	140	61.98	7.02	14.1	
1,1-Dichloroethene	69.99	6.9	68.77		102	56.6	151	64.84	7.65	20.4	
1,2,4-Trichlorobenzene	99.41	6.9	68.77		145	62.2	135	97.21	2.24	23.9	S
1,2-Dibromo-3-chloropropane	82.99	6.9	68.77		121	60.6	126	83.58	0.710	15.2	
1,2-Dibromoethane	61.70	6.9	68.77		89.7	74.1	123	57.40	7.23	14.4	
1,2-Dichlorobenzene	59.64	6.9	68.77		86.7	70.4	130	58.30	2.26	15	
1,2-Dichloroethane	66.94	6.9	68.77		97.3	70.2	129	68.39	2.13	15	
1,2-Dichloropropane	65.50	6.9	68.77		95.2	70.1	129	63.16	3.63	15.1	
1,3-Dichlorobenzene	59.94	6.9	68.77		87.2	70.7	130	58.65	2.18	15.2	
1,4-Dichlorobenzene	62.09	6.9	68.77		90.3	70.6	130	62.17	0.133	14.5	
Benzene	66.90	6.9	68.77		97.3	70.4	130	65.76	1.72	16.9	
Bromodichloromethane	70.45	6.9	68.77		102	70	125	68.77	2.41	15	
Bromoform	76.23	6.9	68.77		111	65.2	122	74.31	2.54	15.1	
Carbon tetrachloride	79.64	6.9	68.77		116	64.3	138	74.48	6.69	25.2	
Chlorobenzene	59.94	6.9	68.77		87.2	67.5	132	57.57	4.03	14.6	
Chloroform	66.40	6.9	68.77		96.6	73.9	130	63.16	5.01	15	
cis-1,2-Dichloroethene	69.16	6.9	68.77		101	70.9	139	63.45	8.61	15	
cis-1,3-Dichloropropene	63.96	6.9	68.77		93.0	60.4	120	63.85	0.172	15.6	
Dibromochloromethane	62.33	6.9	68.77		90.6	65.1	121	60.77	2.55	16.3	
Ethylbenzene	63.17	6.9	68.77		91.9	64.9	136	62.06	1.78	16.3	
Isopropylbenzene	56.34	6.9	68.77		81.9	70.2	129	52.33	7.37	18.8	
m,p-Xylene	124.7	6.9	137.5		90.6	60.2	138	124.0	0.531	16.3	
Methylene chloride	73.24	28	68.77	18.74	79.2	64.5	158	69.16	5.74	23.7	
o-Xylene	61.32	6.9	68.77		89.2	61.5	134	58.87	4.07	16.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 209999

Sample ID: **1507504-034AMSD** Client ID: **SB-09-06X005XX** Units: **ug/Kg-dry** Prep Date: **07/09/2015** Run No: **295871**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209999** Analysis Date: **07/14/2015** Seq No: **6310146**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	62.02	6.9	68.77		90.2	72.9	130	61.49	0.846	15	
Tetrachloroethene	73.64	6.9	68.77	6.280	97.9	70.1	134	72.40	1.70	19.3	
Toluene	67.04	6.9	68.77		97.5	70.4	130	62.57	6.90	16.6	
trans-1,2-Dichloroethene	69.93	6.9	68.77		102	60.4	158	64.56	7.98	54.5	
trans-1,3-Dichloropropene	55.42	6.9	68.77		80.6	60.1	117	57.56	3.80	15	
Trichloroethene	68.65	6.9	68.77		99.8	70.1	137	65.70	4.38	17	
Vinyl chloride	60.77	14	68.77		88.4	60	128	55.84	8.45	31.4	
Surr: 4-Bromofluorobenzene	70.02	0	68.77		102	70	128	74.07	0	0	
Surr: Dibromofluoromethane	70.16	0	68.77		102	78.2	128	73.05	0	0	
Surr: Toluene-d8	67.78	0	68.77		98.6	76.5	116	68.50	0	0	

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210063

Sample ID: **MB-210063**	Client ID:		Units: **ug/Kg**	Prep Date: **07/10/2015**	Run No: **295643**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**		BatchID: **210063**	Analysis Date: **07/10/2015**	Seq No: **6306833**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210063

Sample ID: **MB-210063** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295643**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210063** Analysis Date: **07/10/2015** Seq No: **6306833**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	40.67	0	50.00		81.3	70	130				
Surr: Dibromofluoromethane	54.02	0	50.00		108	70	130				
Surr: Toluene-d8	48.20	0	50.00		96.4	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210063

Sample ID: **LCS-210063** Client ID: Units: **ug/Kg** Prep Date: **07/10/2015** Run No: **295643**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210063** Analysis Date: **07/10/2015** Seq No: **6304656**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.19	5.0	50.00		114	70	130				
1,1,2,2-Tetrachloroethane	46.36	5.0	50.00		92.7	70	130				
1,1,2-Trichloroethane	46.85	5.0	50.00		93.7	70	130				
1,1-Dichloroethane	48.54	5.0	50.00		97.1	70	130				
1,1-Dichloroethene	54.73	5.0	50.00		109	60	140				
1,2,4-Trichlorobenzene	74.45	5.0	50.00		149	70	130				S
1,2-Dibromo-3-chloropropane	56.73	5.0	50.00		113	70	130				
1,2-Dibromoethane	45.19	5.0	50.00		90.4	70	130				
1,2-Dichlorobenzene	45.57	5.0	50.00		91.1	70	130				
1,2-Dichloroethane	48.74	5.0	50.00		97.5	70	130				
1,2-Dichloropropane	46.52	5.0	50.00		93.0	70	130				
1,3-Dichlorobenzene	46.69	5.0	50.00		93.4	70	130				
1,4-Dichlorobenzene	49.59	5.0	50.00		99.2	70	130				
Benzene	50.52	5.0	50.00		101	70	130				
Bromodichloromethane	50.41	5.0	50.00		101	70	130				
Bromoform	57.74	5.0	50.00		115	70	130				
Carbon tetrachloride	59.16	5.0	50.00		118	70	130				
Chlorobenzene	45.42	5.0	50.00		90.8	70	130				
Chloroform	51.31	5.0	50.00		103	70	130				
cis-1,2-Dichloroethene	49.50	5.0	50.00		99.0	70	130				
cis-1,3-Dichloropropene	45.30	5.0	50.00		90.6	70	130				
Dibromochloromethane	47.96	5.0	50.00		95.9	70	130				
Ethylbenzene	48.89	5.0	50.00		97.8	70	130				
Isopropylbenzene	40.94	5.0	50.00		81.9	70	130				
m,p-Xylene	94.94	5.0	100.0		94.9	70	130				
Methylene chloride	59.34	20	50.00	5.360	108	70	130				
o-Xylene	46.08	5.0	50.00		92.2	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210063

Sample ID: **LCS-210063**	Client ID:		Units: **ug/Kg**	Prep Date: **07/10/2015**	Run No: **295643**
SampleType: **LCS**	TestCode: **TCL VOLATILE ORGANICS SW8260B**		BatchID: **210063**	Analysis Date: **07/10/2015**	Seq No: **6304656**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	49.32	5.0	50.00		98.6	70	130				
Tetrachloroethene	58.88	5.0	50.00		118	70	130				
Toluene	49.85	5.0	50.00		99.7	70	130				
trans-1,2-Dichloroethene	51.86	5.0	50.00		104	70	130				
trans-1,3-Dichloropropene	41.46	5.0	50.00		82.9	70	130				
Trichloroethene	53.45	5.0	50.00		107	70	130				
Vinyl chloride	46.01	10	50.00		92.0	70	130				
Surr: 4-Bromofluorobenzene	50.38	0	50.00		101	70	130				
Surr: Dibromofluoromethane	53.89	0	50.00		108	70	130				
Surr: Toluene-d8	48.55	0	50.00		97.1	70	130				

Sample ID: **1507504-025AMS**	Client ID: **SB-09-04X010XX**		Units: **ug/Kg-dry**	Prep Date: **07/10/2015**	Run No: **295643**
SampleType: **MS**	TestCode: **TCL VOLATILE ORGANICS SW8260B**		BatchID: **210063**	Analysis Date: **07/10/2015**	Seq No: **6306831**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	70.69	6.1	61.33		115	70	135				
1,1,2,2-Tetrachloroethane	57.44	6.1	61.33		93.7	70.2	126				
1,1,2-Trichloroethane	60.47	6.1	61.33		98.6	72.3	130				
1,1-Dichloroethane	62.62	6.1	61.33		102	60.8	140				
1,1-Dichloroethene	65.98	6.1	61.33		108	56.6	151				
1,2,4-Trichlorobenzene	89.00	6.1	61.33		145	62.2	135				S
1,2-Dibromo-3-chloropropane	67.70	6.1	61.33		110	60.6	126				
1,2-Dibromoethane	55.27	6.1	61.33		90.1	74.1	123				
1,2-Dichlorobenzene	53.75	6.1	61.33		87.6	70.4	130				
1,2-Dichloroethane	62.59	6.1	61.33		102	70.2	129				
1,2-Dichloropropane	58.72	6.1	61.33		95.7	70.1	129				
1,3-Dichlorobenzene	56.20	6.1	61.33		91.6	70.7	130				
1,4-Dichlorobenzene	61.00	6.1	61.33		99.5	70.6	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210063

Sample ID: **1507504-025AMS** Client ID: **SB-09-04X010XX** Units: **ug/Kg-dry** Prep Date: **07/10/2015** Run No: **295643**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210063** Analysis Date: **07/10/2015** Seq No: **6306831**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	64.38	6.1	61.33		105	70.4	130				
Bromodichloromethane	63.77	6.1	61.33		104	70	125				
Bromoform	71.44	6.1	61.33		116	65.2	122				
Carbon tetrachloride	76.50	6.1	61.33		125	64.3	138				
Chlorobenzene	55.17	6.1	61.33		90.0	67.5	132				
Chloroform	64.57	6.1	61.33		105	73.9	130				
cis-1,2-Dichloroethene	63.92	6.1	61.33		104	70.9	139				
cis-1,3-Dichloropropene	55.92	6.1	61.33		91.2	60.4	120				
Dibromochloromethane	59.18	6.1	61.33		96.5	65.1	121				
Ethylbenzene	60.50	6.1	61.33		98.6	64.9	136				
Isopropylbenzene	51.04	6.1	61.33		83.2	70.2	129				
m,p-Xylene	117.7	6.1	122.7		95.9	60.2	138				
Methylene chloride	69.40	25	61.33	16.60	86.1	64.5	158				
o-Xylene	56.38	6.1	61.33		91.9	61.5	134				
Styrene	59.32	6.1	61.33		96.7	72.9	130				
Tetrachloroethene	72.16	6.1	61.33		118	70.1	134				
Toluene	62.07	6.1	61.33		101	70.4	130				
trans-1,2-Dichloroethene	64.18	6.1	61.33		105	60.4	158				
trans-1,3-Dichloropropene	49.97	6.1	61.33		81.5	60.1	117				
Trichloroethene	68.92	6.1	61.33		112	70.1	137				
Vinyl chloride	54.52	12	61.33		88.9	60	128				
Surr: 4-Bromofluorobenzene	61.93	0	61.33		101	70	128				
Surr: Dibromofluoromethane	66.34	0	61.33		108	78.2	128				
Surr: Toluene-d8	59.55	0	61.33		97.1	76.5	116				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210063

Sample ID: **1507504-025AMSD** Client ID: **SB-09-04X010XX** Units: **ug/Kg-dry** Prep Date: **07/10/2015** Run No: **295643**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210063** Analysis Date: **07/10/2015** Seq No: **6306832**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	72.38	6.1	61.33		118	70	135	70.69	2.37	18.7	
1,1,2,2-Tetrachloroethane	58.63	6.1	61.33		95.6	70.2	126	57.44	2.05	15	
1,1,2-Trichloroethane	58.44	6.1	61.33		95.3	72.3	130	60.47	3.42	14.1	
1,1-Dichloroethane	62.70	6.1	61.33		102	60.8	140	62.62	0.137	14.1	
1,1-Dichloroethene	66.69	6.1	61.33		109	56.6	151	65.98	1.07	20.4	
1,2,4-Trichlorobenzene	82.29	6.1	61.33		134	62.2	135	89.00	7.83	23.9	
1,2-Dibromo-3-chloropropane	67.91	6.1	61.33		111	60.6	126	67.70	0.308	15.2	
1,2-Dibromoethane	59.88	6.1	61.33		97.6	74.1	123	55.27	8.01	14.4	
1,2-Dichlorobenzene	55.93	6.1	61.33		91.2	70.4	130	53.75	3.98	15	
1,2-Dichloroethane	64.31	6.1	61.33		105	70.2	129	62.59	2.71	15	
1,2-Dichloropropane	60.72	6.1	61.33		99.0	70.1	129	58.72	3.35	15.1	
1,3-Dichlorobenzene	54.42	6.1	61.33		88.7	70.7	130	56.20	3.22	15.2	
1,4-Dichlorobenzene	58.29	6.1	61.33		95.0	70.6	130	61.00	4.54	14.5	
Benzene	64.37	6.1	61.33		105	70.4	130	64.38	0.019	16.9	
Bromodichloromethane	64.67	6.1	61.33		105	70	125	63.77	1.39	15	
Bromoform	73.87	6.1	61.33		120	65.2	122	71.44	3.34	15.1	
Carbon tetrachloride	76.87	6.1	61.33		125	64.3	138	76.50	0.480	25.2	
Chlorobenzene	57.60	6.1	61.33		93.9	67.5	132	55.17	4.31	14.6	
Chloroform	63.72	6.1	61.33		104	73.9	130	64.57	1.32	15	
cis-1,2-Dichloroethene	63.46	6.1	61.33		103	70.9	139	63.92	0.713	15	
cis-1,3-Dichloropropene	57.23	6.1	61.33		93.3	60.4	120	55.92	2.32	15.6	
Dibromochloromethane	60.08	6.1	61.33		98.0	65.1	121	59.18	1.50	16.3	
Ethylbenzene	60.96	6.1	61.33		99.4	64.9	136	60.50	0.768	16.3	
Isopropylbenzene	49.20	6.1	61.33		80.2	70.2	129	51.04	3.67	18.8	
m,p-Xylene	120.8	6.1	122.7		98.5	60.2	138	117.7	2.62	16.3	
Methylene chloride	68.13	25	61.33	16.60	84.0	64.5	158	69.40	1.86	23.7	
o-Xylene	58.25	6.1	61.33		95.0	61.5	134	56.38	3.27	16.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210063

Sample ID: **1507504-025AMSD** Client ID: **SB-09-04X010XX** Units: **ug/Kg-dry** Prep Date: **07/10/2015** Run No: **295643**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210063** Analysis Date: **07/10/2015** Seq No: **6306832**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	60.72	6.1	61.33		99.0	72.9	130	59.32	2.33	15	
Tetrachloroethene	72.27	6.1	61.33		118	70.1	134	72.16	0.153	19.3	
Toluene	63.16	6.1	61.33		103	70.4	130	62.07	1.74	16.6	
trans-1,2-Dichloroethene	65.40	6.1	61.33		107	60.4	158	64.18	1.89	54.5	
trans-1,3-Dichloropropene	50.88	6.1	61.33		83.0	60.1	117	49.97	1.80	15	
Trichloroethene	67.45	6.1	61.33		110	70.1	137	68.92	2.16	17	
Vinyl chloride	56.26	12	61.33		91.7	60	128	54.52	3.14	31.4	
Surr: 4-Bromofluorobenzene	63.31	0	61.33		103	70	128	61.93	0	0	
Surr: Dibromofluoromethane	65.53	0	61.33		107	78.2	128	66.34	0	0	
Surr: Toluene-d8	59.12	0	61.33		96.4	76.5	116	59.55	0	0	

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210095

Sample ID: **MB-210095** Client ID: Units: **ug/Kg** Prep Date: **07/13/2015** Run No: **295777**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210095** Analysis Date: **07/13/2015** Seq No: **6308270**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	2500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210095

Sample ID: **MB-210095** Client ID: Units: **ug/Kg** Prep Date: **07/13/2015** Run No: **295777**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210095** Analysis Date: **07/13/2015** Seq No: **6308270**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2276	0	2500		91.0	70	130				
Surr: Dibromofluoromethane	2161	0	2500		86.4	70	130				
Surr: Toluene-d8	2368	0	2500		94.7	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210095

Sample ID: **LCS-210095** Client ID: Units: **ug/Kg** Prep Date: **07/13/2015** Run No: **295777**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210095** Analysis Date: **07/13/2015** Seq No: **6308269**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1786	250	2500		71.4	70	130				
1,1,2,2-Tetrachloroethane	2024	250	2500		81.0	70	130				
1,1,2-Trichloroethane	2164	250	2500		86.5	70	130				
1,1-Dichloroethane	1897	250	2500		75.9	70	130				
1,1-Dichloroethene	2022	250	2500		80.9	60	140				
1,2,4-Trichlorobenzene	2016	250	2500		80.6	70	130				
1,2-Dibromoethane	2234	250	2500		89.4	70	130				
1,2-Dichlorobenzene	2052	250	2500		82.1	70	130				
1,2-Dichloroethane	1781	250	2500		71.2	70	130				
1,2-Dichloropropane	2250	250	2500		90.0	70	130				
1,3-Dichlorobenzene	2142	250	2500		85.7	70	130				
1,4-Dichlorobenzene	2086	250	2500		83.5	70	130				
Benzene	2343	250	2500		93.7	70	130				
Bromodichloromethane	1991	250	2500		79.6	70	130				
Bromoform	2146	250	2500		85.9	70	130				
Carbon tetrachloride	2007	250	2500		80.3	70	130				
Chlorobenzene	2288	250	2500		91.5	70	130				
Chloroform	1822	250	2500		72.9	70	130				
cis-1,2-Dichloroethene	2162	250	2500		86.5	70	130				
cis-1,3-Dichloropropene	2108	250	2500		84.3	70	130				
Dibromochloromethane	2111	250	2500		84.4	70	130				
Ethylbenzene	2286	250	2500		91.4	70	130				
Isopropylbenzene	2285	250	2500		91.4	70	130				
m,p-Xylene	4523	250	5000		90.5	70	130				
Methylene chloride	1844	1000	2500		73.7	70	130				
o-Xylene	2242	250	2500		89.7	70	130				
Styrene	2436	250	2500		97.5	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210095

Sample ID: **LCS-210095** Client ID: Units: **ug/Kg** Prep Date: **07/13/2015** Run No: **295777**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210095** Analysis Date: **07/13/2015** Seq No: **6308269**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Tetrachloroethene	2506	250	2500		100	70	130				
Toluene	2338	250	2500		93.5	70	130				
trans-1,2-Dichloroethene	2126	250	2500		85.0	70	130				
trans-1,3-Dichloropropene	1919	250	2500		76.8	70	130				
Trichloroethene	2342	250	2500		93.7	70	130				
Vinyl chloride	2062	500	2500		82.5	70	130				
Surr: 4-Bromofluorobenzene	2328	0	2500		93.1	70	130				
Surr: Dibromofluoromethane	2203	0	2500		88.1	70	130				
Surr: Toluene-d8	2464	0	2500		98.5	70	130				

Sample ID: **1507504-015AMS** Client ID: **SB-09-02X020XX** Units: **ug/Kg-dry** Prep Date: **07/13/2015** Run No: **295777**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210095** Analysis Date: **07/13/2015** Seq No: **6308272**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1235	180	1827		67.6	70	135				S
1,1,2,2-Tetrachloroethane	1514	180	1827		82.9	70.2	126				
1,1,2-Trichloroethane	1571	180	1827		86.0	72.3	130				
1,1-Dichloroethane	1314	180	1827		71.9	60.8	140				
1,1-Dichloroethene	1328	180	1827		72.7	56.6	151				
1,2,4-Trichlorobenzene	1556	180	1827		85.1	62.2	135				
1,2-Dibromo-3-chloropropane	1161	180	1827		63.5	60.6	126				
1,2-Dibromoethane	1662	180	1827		91.0	74.1	123				
1,2-Dichlorobenzene	1569	180	1827		85.9	70.4	130				
1,2-Dichloroethane	1244	180	1827		68.1	70.2	129				S
1,2-Dichloropropane	1637	180	1827		89.6	70.1	129				
1,3-Dichlorobenzene	1592	180	1827		87.1	70.7	130				
1,4-Dichlorobenzene	1570	180	1827		85.9	70.6	130				
Benzene	1655	180	1827		90.6	70.4	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210095

Sample ID: **1507504-015AMS** Client ID: **SB-09-02X020XX** Units: **ug/Kg-dry** Prep Date: **07/13/2015** Run No: **295777**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210095** Analysis Date: **07/13/2015** Seq No: **6308272**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Bromodichloromethane	1330	180	1827		72.8	70	125				
Bromoform	1548	180	1827		84.7	65.2	122				
Carbon tetrachloride	1322	180	1827		72.3	64.3	138				
Chlorobenzene	1640	180	1827		89.8	67.5	132				
Chloroform	1268	180	1827		69.4	73.9	130				S
cis-1,2-Dichloroethene	1572	180	1827		86.0	70.9	139				
cis-1,3-Dichloropropene	1376	180	1827		75.3	60.4	120				
Dibromochloromethane	1449	180	1827		79.3	65.1	121				
Ethylbenzene	1685	180	1827		92.2	64.9	136				
Isopropylbenzene	1681	180	1827		92.0	70.2	129				
m,p-Xylene	3325	180	3654		91.0	60.2	138				
Methylene chloride	1351	730	1827		73.9	64.5	158				
o-Xylene	1640	180	1827		89.8	61.5	134				
Styrene	1837	180	1827		101	72.9	130				
Tetrachloroethene	2082	180	1827	225.8	102	70.1	134				
Toluene	1677	180	1827		91.8	70.4	130				
trans-1,2-Dichloroethene	1514	180	1827		82.9	60.4	158				
trans-1,3-Dichloropropene	1201	180	1827		65.7	60.1	117				
Trichloroethene	1745	180	1827		95.5	70.1	137				
Vinyl chloride	1199	370	1827		65.6	60	128				
Surr: 4-Bromofluorobenzene	1721	0	1827		94.2	70	128				
Surr: Dibromofluoromethane	1561	0	1827		85.5	78.2	128				
Surr: Toluene-d8	1734	0	1827		94.9	76.5	116				

Sample ID: **1507504-015AMSD** Client ID: **SB-09-02X020XX** Units: **ug/Kg-dry** Prep Date: **07/13/2015** Run No: **295777**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210095** Analysis Date: **07/13/2015** Seq No: **6308273**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210095

Sample ID: **1507504-015AMSD** Client ID: **SB-09-02X020XX** Units: **ug/Kg-dry** Prep Date: **07/13/2015** Run No: **295777**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210095** Analysis Date: **07/13/2015** Seq No: **6308273**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1169	180	1827		64.0	70	135	1235	5.50	18.7	S
1,1,2,2-Tetrachloroethane	1471	180	1827		80.5	70.2	126	1514	2.86	15	
1,1,2-Trichloroethane	1504	180	1827		82.3	72.3	130	1571	4.33	14.1	
1,1-Dichloroethane	1234	180	1827		67.5	60.8	140	1314	6.31	14.1	
1,1-Dichloroethene	1259	180	1827		68.9	56.6	151	1328	5.37	20.4	
1,2,4-Trichlorobenzene	1614	180	1827		88.3	62.2	135	1556	3.69	23.9	
1,2-Dibromo-3-chloropropane	1120	180	1827		61.3	60.6	126	1161	3.59	15.2	
1,2-Dibromoethane	1581	180	1827		86.5	74.1	123	1662	5.00	14.4	
1,2-Dichlorobenzene	1500	180	1827		82.1	70.4	130	1569	4.52	15	
1,2-Dichloroethane	1165	180	1827		63.7	70.2	129	1244	6.58	15	S
1,2-Dichloropropane	1596	180	1827		87.3	70.1	129	1637	2.55	15.1	
1,3-Dichlorobenzene	1520	180	1827		83.2	70.7	130	1592	4.65	15.2	
1,4-Dichlorobenzene	1485	180	1827		81.3	70.6	130	1570	5.57	14.5	
Benzene	1578	180	1827		86.4	70.4	130	1655	4.75	16.9	
Bromodichloromethane	1234	180	1827		67.5	70	125	1330	7.53	15	S
Bromoform	1431	180	1827		78.3	65.2	122	1548	7.88	15.1	
Carbon tetrachloride	1234	180	1827		67.6	64.3	138	1322	6.83	25.2	
Chlorobenzene	1545	180	1827		84.5	67.5	132	1640	6.01	14.6	
Chloroform	1199	180	1827		65.6	73.9	130	1268	5.54	15	S
cis-1,2-Dichloroethene	1527	180	1827		83.6	70.9	139	1572	2.90	15	
cis-1,3-Dichloropropene	1294	180	1827		70.8	60.4	120	1376	6.16	15.6	
Dibromochloromethane	1375	180	1827		75.2	65.1	121	1449	5.25	16.3	
Ethylbenzene	1586	180	1827		86.8	64.9	136	1685	6.03	16.3	
Isopropylbenzene	1617	180	1827		88.5	70.2	129	1681	3.92	18.8	
m,p-Xylene	3086	180	3654		84.5	60.2	138	3325	7.44	16.3	
Methylene chloride	1292	730	1827		70.7	64.5	158	1351	4.45	23.7	
o-Xylene	1544	180	1827		84.5	61.5	134	1640	6.06	16.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1507504

ANALYTICAL QC SUMMARY REPORT

BatchID: 210095

Sample ID: **1507504-015AMSD** Client ID: **SB-09-02X020XX** Units: **ug/Kg-dry** Prep Date: **07/13/2015** Run No: **295777**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210095** Analysis Date: **07/13/2015** Seq No: **6308273**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	1724	180	1827		94.3	72.9	130	1837	6.38	15	
Tetrachloroethene	1973	180	1827	225.8	95.6	70.1	134	2082	5.39	19.3	
Toluene	1587	180	1827		86.8	70.4	130	1677	5.53	16.6	
trans-1,2-Dichloroethene	1432	180	1827		78.4	60.4	158	1514	5.58	54.5	
trans-1,3-Dichloropropene	1158	180	1827		63.4	60.1	117	1201	3.62	15	
Trichloroethene	1634	180	1827		89.4	70.1	137	1745	6.60	17	
Vinyl chloride	1131	370	1827		61.9	60	128	1199	5.90	31.4	
Surr: 4-Bromofluorobenzene	1693	0	1827		92.7	70	128	1721	0	0	
Surr: Dibromofluoromethane	1564	0	1827		85.6	78.2	128	1561	0	0	
Surr: Toluene-d8	1725	0	1827		94.4	76.5	116	1734	0	0	

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 28, 2015

Paul Johnstone
AMEC E&I, Inc.
37 Villa Rd.
Greenville SC 29615

TEL: (864) 552-9624
FAX: (864) 552-9699

RE: RBTC Ft. Inn

Dear Paul Johnstone: Order No: 1507G75

Analytical Environmental Services, Inc. received 5 samples on 7/21/2015 10:25:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-South Carolina Certification number 98016003 for Clean Water Act and for Solid and Hazardous Waste, effective until 6/30/16.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Tara Esbeck

Tara Esbeck
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1507675

Date: 7-17-15 Page 1 of 1

COMPANY: AMEC

ADDRESS: 37 Villa Road Greenville, SC 29615

PHONE:

FAX:

SAMPLED BY: Lori Maulding

SIGNATURE: Lori Maulding

ANALYSIS REQUESTED

8260

PRESERVATION (See codes)

H+I

#	SAMPLE ID	SAMPLED DATE 2015	SAMPLED TIME	Grab	Composite	Matrix (See codes)	REMARKS	No # of Containers
1	TB-01	7-17	800	X		W		2
2	FB-01	7-17	830	X		W		2
3	MW-09-07X000XX	7-17	930	X		GW		2
4	MW-09-08D000XX	7-17	1120	X		GW		2
5	MW-09-25X009XX	7-17	1215	X		GW		2
6								
7								
8								
9								
10								
11								
12								
13								
14								

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY / DATE/TIME

1: Lori Maulding 7-20-15 1600

2:

3:

RECEIVED BY / DATE/TIME

1: Fedex

2: Mary 7/21/15 1025

3:

SPECIAL INSTRUCTIONS/COMMENTS:

3.98

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT (FedEx) UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: RBTC - Fl. Inn

PROJECT #: 625112007

SITE ADDRESS:

SEND REPORT TO: Paul Johnstone

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers: 10

Turnaround Time Request

- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush **(auth req.)**
- ( ) Other _____

STATE PROGRAM (if any): SC

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I (II) III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: AMEC E&I, Inc.
Project: RBTC Ft. Inn
Lab ID: 1507G75

Case Narrative

Sample Receiving Nonconformance:

Vial 2 of 2 for sample -001A was received with headspace present as signified by >1/4 inch bubble present.

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-01
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 8:00:00 AM
Lab ID:	1507G75-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	210626	1	07/25/2015 19:18	MW
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/25/2015 19:18	MW
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/25/2015 19:18	MW
2-Butanone	BRL		1.3	10	ug/L	210626	1	07/25/2015 19:18	MW
2-Hexanone	BRL		0.77	10	ug/L	210626	1	07/25/2015 19:18	MW
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	210626	1	07/25/2015 19:18	MW
Acetone	BRL		5.7	20	ug/L	210626	1	07/25/2015 19:18	MW
Benzene	BRL		0.30	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Bromodichloromethane	BRL		0.30	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Bromoform	BRL		0.73	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Bromomethane	BRL		0.58	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Carbon disulfide	BRL		0.60	5.0	ug/L	210626	1	07/25/2015 19:18	MW
Carbon tetrachloride	BRL		0.31	2.0	ug/L	210626	1	07/25/2015 19:18	MW
Chlorobenzene	BRL		0.39	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Chloroethane	BRL		0.62	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Chloroform	BRL		0.38	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Chloromethane	BRL		0.16	1.0	ug/L	210626	1	07/25/2015 19:18	MW
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	210626	1	07/25/2015 19:18	MW
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Cyclohexane	BRL		1.9	2.0	ug/L	210626	1	07/25/2015 19:18	MW
Dibromochloromethane	BRL		0.16	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Ethylbenzene	BRL		0.29	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Freon-113	BRL		0.75	5.0	ug/L	210626	1	07/25/2015 19:18	MW
Isopropylbenzene	BRL		0.33	1.0	ug/L	210626	1	07/25/2015 19:18	MW
m,p-Xylene	BRL		0.67	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Methyl acetate	BRL		0.30	2.0	ug/L	210626	1	07/25/2015 19:18	MW
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Methylcyclohexane	BRL		0.54	2.0	ug/L	210626	1	07/25/2015 19:18	MW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TB-01
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 8:00:00 AM
Lab ID:	1507G75-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.23	5.0	ug/L	210626	1	07/25/2015 19:18	MW
o-Xylene	BRL		0.29	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Styrene	BRL		0.13	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Tetrachloroethene	BRL		0.42	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Toluene	BRL		0.24	1.0	ug/L	210626	1	07/25/2015 19:18	MW
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	210626	1	07/25/2015 19:18	MW
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	210626	1	07/25/2015 19:18	MW
Trichloroethene	BRL		0.39	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Vinyl chloride	BRL		0.32	1.0	ug/L	210626	1	07/25/2015 19:18	MW
Surr: 4-Bromofluorobenzene	92.5		0	70-130	%REC	210626	1	07/25/2015 19:18	MW
Surr: Dibromofluoromethane	94		0	70-130	%REC	210626	1	07/25/2015 19:18	MW
Surr: Toluene-d8	96.5		0	70-130	%REC	210626	1	07/25/2015 19:18	MW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-01
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 8:30:00 AM
Lab ID:	1507G75-002	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	210626	1	07/25/2015 18:53	MW
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/25/2015 18:53	MW
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/25/2015 18:53	MW
2-Butanone	BRL		1.3	10	ug/L	210626	1	07/25/2015 18:53	MW
2-Hexanone	BRL		0.77	10	ug/L	210626	1	07/25/2015 18:53	MW
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	210626	1	07/25/2015 18:53	MW
Acetone	BRL		5.7	20	ug/L	210626	1	07/25/2015 18:53	MW
Benzene	BRL		0.30	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Bromodichloromethane	BRL		0.30	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Bromoform	BRL		0.73	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Bromomethane	BRL		0.58	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Carbon disulfide	BRL		0.60	5.0	ug/L	210626	1	07/25/2015 18:53	MW
Carbon tetrachloride	BRL		0.31	2.0	ug/L	210626	1	07/25/2015 18:53	MW
Chlorobenzene	BRL		0.39	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Chloroethane	BRL		0.62	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Chloroform	BRL		0.38	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Chloromethane	BRL		0.16	1.0	ug/L	210626	1	07/25/2015 18:53	MW
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	210626	1	07/25/2015 18:53	MW
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Cyclohexane	BRL		1.9	2.0	ug/L	210626	1	07/25/2015 18:53	MW
Dibromochloromethane	BRL		0.16	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Ethylbenzene	BRL		0.29	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Freon-113	BRL		0.75	5.0	ug/L	210626	1	07/25/2015 18:53	MW
Isopropylbenzene	BRL		0.33	1.0	ug/L	210626	1	07/25/2015 18:53	MW
m,p-Xylene	BRL		0.67	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Methyl acetate	BRL		0.30	2.0	ug/L	210626	1	07/25/2015 18:53	MW
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Methylcyclohexane	BRL		0.54	2.0	ug/L	210626	1	07/25/2015 18:53	MW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
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- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	FB-01
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 8:30:00 AM
Lab ID:	1507G75-002	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.23	5.0	ug/L	210626	1	07/25/2015 18:53	MW
o-Xylene	BRL		0.29	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Styrene	BRL		0.13	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Tetrachloroethene	BRL		0.42	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Toluene	BRL		0.24	1.0	ug/L	210626	1	07/25/2015 18:53	MW
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	210626	1	07/25/2015 18:53	MW
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	210626	1	07/25/2015 18:53	MW
Trichloroethene	BRL		0.39	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Vinyl chloride	BRL		0.32	1.0	ug/L	210626	1	07/25/2015 18:53	MW
Surr: 4-Bromofluorobenzene	91.3		0	70-130	%REC	210626	1	07/25/2015 18:53	MW
Surr: Dibromofluoromethane	92.2		0	70-130	%REC	210626	1	07/25/2015 18:53	MW
Surr: Toluene-d8	94.8		0	70-130	%REC	210626	1	07/25/2015 18:53	MW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-07X000XX
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 9:30:00 AM
Lab ID:	1507G75-003	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	210626	1	07/26/2015 16:05	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/26/2015 16:05	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/26/2015 16:05	NP
2-Butanone	BRL		1.3	10	ug/L	210626	1	07/26/2015 16:05	NP
2-Hexanone	BRL		0.77	10	ug/L	210626	1	07/26/2015 16:05	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	210626	1	07/26/2015 16:05	NP
Acetone	BRL		5.7	20	ug/L	210626	1	07/26/2015 16:05	NP
Benzene	BRL		0.30	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Bromoform	BRL		0.73	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Bromomethane	BRL		0.58	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	210626	1	07/26/2015 16:05	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	210626	1	07/26/2015 16:05	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Chloroethane	BRL		0.62	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Chloroform	BRL		0.38	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Chloromethane	BRL		0.16	1.0	ug/L	210626	1	07/26/2015 16:05	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	210626	1	07/26/2015 16:05	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Cyclohexane	BRL		1.9	2.0	ug/L	210626	1	07/26/2015 16:05	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Freon-113	BRL		0.75	5.0	ug/L	210626	1	07/26/2015 16:05	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	210626	1	07/26/2015 16:05	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Methyl acetate	BRL		0.30	2.0	ug/L	210626	1	07/26/2015 16:05	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	210626	1	07/26/2015 16:05	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-07X000XX
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 9:30:00 AM
Lab ID:	1507G75-003	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
Methylene chloride	BRL		0.23	5.0	ug/L	210626	1	07/26/2015 16:05	NP
o-Xylene	BRL		0.29	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Styrene	BRL		0.13	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Tetrachloroethene	1100		4.2	10	ug/L	210626	10	07/27/2015 10:54	MW
Toluene	BRL		0.24	1.0	ug/L	210626	1	07/26/2015 16:05	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	210626	1	07/26/2015 16:05	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	210626	1	07/26/2015 16:05	NP
Trichloroethene	BRL		0.39	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	210626	1	07/26/2015 16:05	NP
Surr: 4-Bromofluorobenzene	92.8		0	70-130	%REC	210626	1	07/26/2015 16:05	NP
Surr: 4-Bromofluorobenzene	92.2		0	70-130	%REC	210626	10	07/27/2015 10:54	MW
Surr: Dibromofluoromethane	94.6		0	70-130	%REC	210626	10	07/27/2015 10:54	MW
Surr: Dibromofluoromethane	96.4		0	70-130	%REC	210626	1	07/26/2015 16:05	NP
Surr: Toluene-d8	94.9		0	70-130	%REC	210626	1	07/26/2015 16:05	NP
Surr: Toluene-d8	96.9		0	70-130	%REC	210626	10	07/27/2015 10:54	MW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-08D000XX
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 11:20:00 AM
Lab ID:	1507G75-004	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	210626	1	07/27/2015 10:29	MW
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/27/2015 10:29	MW
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/27/2015 10:29	MW
2-Butanone	BRL		1.3	10	ug/L	210626	1	07/27/2015 10:29	MW
2-Hexanone	BRL		0.77	10	ug/L	210626	1	07/27/2015 10:29	MW
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	210626	1	07/27/2015 10:29	MW
Acetone	BRL		5.7	20	ug/L	210626	1	07/27/2015 10:29	MW
Benzene	BRL		0.30	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Bromodichloromethane	BRL		0.30	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Bromoform	BRL		0.73	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Bromomethane	BRL		0.58	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Carbon disulfide	BRL		0.60	5.0	ug/L	210626	1	07/27/2015 10:29	MW
Carbon tetrachloride	BRL		0.31	2.0	ug/L	210626	1	07/27/2015 10:29	MW
Chlorobenzene	BRL		0.39	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Chloroethane	BRL		0.62	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Chloroform	BRL		0.38	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Chloromethane	BRL		0.16	1.0	ug/L	210626	1	07/27/2015 10:29	MW
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	210626	1	07/27/2015 10:29	MW
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Cyclohexane	BRL		1.9	2.0	ug/L	210626	1	07/27/2015 10:29	MW
Dibromochloromethane	BRL		0.16	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Ethylbenzene	BRL		0.29	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Freon-113	BRL		0.75	5.0	ug/L	210626	1	07/27/2015 10:29	MW
Isopropylbenzene	BRL		0.33	1.0	ug/L	210626	1	07/27/2015 10:29	MW
m,p-Xylene	BRL		0.67	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Methyl acetate	BRL		0.30	2.0	ug/L	210626	1	07/27/2015 10:29	MW
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Methylcyclohexane	BRL		0.54	2.0	ug/L	210626	1	07/27/2015 10:29	MW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-08D000XX
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 11:20:00 AM
Lab ID:	1507G75-004	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		0.23	5.0	ug/L	210626	1	07/27/2015 10:29	MW
o-Xylene	BRL		0.29	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Styrene	BRL		0.13	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Tetrachloroethene	BRL		0.42	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Toluene	BRL		0.24	1.0	ug/L	210626	1	07/27/2015 10:29	MW
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	210626	1	07/27/2015 10:29	MW
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	210626	1	07/27/2015 10:29	MW
Trichloroethene	BRL		0.39	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Vinyl chloride	BRL		0.32	1.0	ug/L	210626	1	07/27/2015 10:29	MW
Surr: 4-Bromofluorobenzene	94.8		0	70-130	%REC	210626	1	07/27/2015 10:29	MW
Surr: Dibromofluoromethane	94.5		0	70-130	%REC	210626	1	07/27/2015 10:29	MW
Surr: Toluene-d8	96.2		0	70-130	%REC	210626	1	07/27/2015 10:29	MW

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-25X000XX
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 12:15:00 PM
Lab ID:	1507G75-005	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		0.35	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,1,2-Trichloroethane	BRL		0.46	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,1-Dichloroethane	BRL		0.75	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,1-Dichloroethene	BRL		0.42	2.0	ug/L	210626	1	07/26/2015 16:54	NP
1,2,4-Trichlorobenzene	BRL		0.47	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,2-Dibromo-3-chloropropane	BRL		0.61	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,2-Dibromoethane	BRL		0.42	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,2-Dichlorobenzene	BRL		0.41	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,2-Dichloroethane	BRL		0.30	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,2-Dichloropropane	BRL		0.40	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,3-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/26/2015 16:54	NP
1,4-Dichlorobenzene	BRL		0.48	1.0	ug/L	210626	1	07/26/2015 16:54	NP
2-Butanone	BRL		1.3	10	ug/L	210626	1	07/26/2015 16:54	NP
2-Hexanone	BRL		0.77	10	ug/L	210626	1	07/26/2015 16:54	NP
4-Methyl-2-pentanone	BRL		0.52	10	ug/L	210626	1	07/26/2015 16:54	NP
Acetone	BRL		5.7	20	ug/L	210626	1	07/26/2015 16:54	NP
Benzene	BRL		0.30	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Bromodichloromethane	BRL		0.30	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Bromoform	BRL		0.73	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Bromomethane	BRL		0.58	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Carbon disulfide	BRL		0.60	5.0	ug/L	210626	1	07/26/2015 16:54	NP
Carbon tetrachloride	BRL		0.31	2.0	ug/L	210626	1	07/26/2015 16:54	NP
Chlorobenzene	BRL		0.39	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Chloroethane	BRL		0.62	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Chloroform	BRL		0.38	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Chloromethane	BRL		0.16	1.0	ug/L	210626	1	07/26/2015 16:54	NP
cis-1,2-Dichloroethene	BRL		0.66	1.0	ug/L	210626	1	07/26/2015 16:54	NP
cis-1,3-Dichloropropene	BRL		0.22	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Cyclohexane	BRL		1.9	2.0	ug/L	210626	1	07/26/2015 16:54	NP
Dibromochloromethane	BRL		0.16	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Dichlorodifluoromethane	BRL		0.26	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Ethylbenzene	BRL		0.29	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Freon-113	BRL		0.75	5.0	ug/L	210626	1	07/26/2015 16:54	NP
Isopropylbenzene	BRL		0.33	1.0	ug/L	210626	1	07/26/2015 16:54	NP
m,p-Xylene	BRL		0.67	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Methyl acetate	BRL		0.30	2.0	ug/L	210626	1	07/26/2015 16:54	NP
Methyl tert-butyl ether	BRL		0.39	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Methylcyclohexane	BRL		0.54	2.0	ug/L	210626	1	07/26/2015 16:54	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 27-Jul-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	MW-09-25X000XX
Project Name:	RBTC Ft. Inn	**Collection Date:**	7/17/2015 12:15:00 PM
Lab ID:	1507G75-005	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5030B)									
Methylene chloride	BRL		0.23	5.0	ug/L	210626	1	07/26/2015 16:54	NP
o-Xylene	BRL		0.29	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Styrene	BRL		0.13	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Tetrachloroethene	BRL		0.42	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Toluene	BRL		0.24	1.0	ug/L	210626	1	07/26/2015 16:54	NP
trans-1,2-Dichloroethene	BRL		0.44	2.0	ug/L	210626	1	07/26/2015 16:54	NP
trans-1,3-Dichloropropene	BRL		0.20	2.0	ug/L	210626	1	07/26/2015 16:54	NP
Trichloroethene	BRL		0.39	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Trichlorofluoromethane	BRL		0.23	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Vinyl chloride	BRL		0.32	1.0	ug/L	210626	1	07/26/2015 16:54	NP
Surr: 4-Bromofluorobenzene	91.1		0	70-130	%REC	210626	1	07/26/2015 16:54	NP
Surr: Dibromofluoromethane	97.6		0	70-130	%REC	210626	1	07/26/2015 16:54	NP
Surr: Toluene-d8	96.9		0	70-130	%REC	210626	1	07/26/2015 16:54	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC Work Order Number 1507675

Checklist completed by [signature] 7/21/15
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.9 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes __ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ 7/7/23 No ✓

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: AMEC E&I, Inc.
Project Name: RBTC Ft. Inn
Workorder: 1507G75

ANALYTICAL QC SUMMARY REPORT

BatchID: 210626

Sample ID: **MB-210626** Client ID:
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **07/25/2015** Run No: **296668**
BatchID: **210626** Analysis Date: **07/25/2015** Seq No: **6329342**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Ft. Inn
Workorder: 1507G75

ANALYTICAL QC SUMMARY REPORT

BatchID: 210626

Sample ID: **MB-210626** Client ID: Units: **ug/L** Prep Date: **07/25/2015** Run No: **296668**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210626** Analysis Date: **07/25/2015** Seq No: **6329342**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	1.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Surr: 4-Bromofluorobenzene	47.02	0	50.00		94.0	70	130				
Surr: Dibromofluoromethane	47.06	0	50.00		94.1	70	130				
Surr: Toluene-d8	48.27	0	50.00		96.5	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Ft. Inn
Workorder: 1507G75

ANALYTICAL QC SUMMARY REPORT

BatchID: 210626

Sample ID: **LCS-210626** Client ID: Units: **ug/L** Prep Date: **07/25/2015** Run No: **296668**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210626** Analysis Date: **07/25/2015** Seq No: **6328778**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	45.97	1.0	50.00		91.9	70	130				
1,1,2,2-Tetrachloroethane	50.93	1.0	50.00		102	70	130				
1,1,2-Trichloroethane	48.75	1.0	50.00		97.5	70	130				
1,1-Dichloroethane	42.44	1.0	50.00		84.9	70	130				
1,1-Dichloroethene	45.74	2.0	50.00		91.5	60	140				
1,2,4-Trichlorobenzene	47.51	1.0	50.00		95.0	70	130				
1,2-Dibromo-3-chloropropane	48.84	1.0	50.00		97.7	70	130				
1,2-Dibromoethane	53.05	1.0	50.00		106	70	130				
1,2-Dichlorobenzene	46.83	1.0	50.00		93.7	70	130				
1,2-Dichloroethane	44.59	1.0	50.00		89.2	70	130				
1,2-Dichloropropane	50.69	1.0	50.00		101	70	130				
1,3-Dichlorobenzene	49.57	1.0	50.00		99.1	70	130				
1,4-Dichlorobenzene	47.78	1.0	50.00		95.6	70	130				
Benzene	49.95	1.0	50.00		99.9	70	130				
Bromodichloromethane	49.02	1.0	50.00		98.0	70	130				
Bromoform	60.97	1.0	50.00		122	70	130				
Carbon tetrachloride	53.58	2.0	50.00		107	70	130				
Chlorobenzene	49.41	1.0	50.00		98.8	70	130				
Chloroform	43.02	1.0	50.00		86.0	70	130				
cis-1,2-Dichloroethene	47.41	1.0	50.00		94.8	70	130				
cis-1,3-Dichloropropene	46.51	1.0	50.00		93.0	70	130				
Dibromochloromethane	54.35	1.0	50.00		109	70	130				
Ethylbenzene	52.72	1.0	50.00		105	70	130				
Isopropylbenzene	53.16	1.0	50.00		106	70	130				
m,p-Xylene	105.0	1.0	100.0		105	70	130				
Methylene chloride	41.18	5.0	50.00		82.4	70	130				
o-Xylene	50.90	1.0	50.00		102	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Ft. Inn
Workorder: 1507G75

ANALYTICAL QC SUMMARY REPORT

BatchID: 210626

Sample ID: **LCS-210626** Client ID: Units: **ug/L** Prep Date: **07/25/2015** Run No: **296668**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210626** Analysis Date: **07/25/2015** Seq No: **6328778**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	55.04	1.0	50.00		110	70	130				
Tetrachloroethene	56.53	1.0	50.00		113	70	130				
Toluene	50.61	1.0	50.00		101	70	130				
trans-1,2-Dichloroethene	46.62	2.0	50.00		93.2	70	130				
trans-1,3-Dichloropropene	44.33	2.0	50.00		88.7	70	130				
Trichloroethene	51.36	1.0	50.00		103	70	130				
Vinyl chloride	37.80	1.0	50.00		75.6	70	130				
Surr: 4-Bromofluorobenzene	48.61	0	50.00		97.2	70	130				
Surr: Dibromofluoromethane	46.30	0	50.00		92.6	70	130				
Surr: Toluene-d8	47.84	0	50.00		95.7	70	130				

Sample ID: **1507G94-001AMS** Client ID: Units: **ug/L** Prep Date: **07/25/2015** Run No: **296668**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210626** Analysis Date: **07/25/2015** Seq No: **6329168**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	48.64	1.0	50.00		97.3	64.1	145				
1,1,2,2-Tetrachloroethane	52.03	1.0	50.00		104	63.6	133				
1,1,2-Trichloroethane	51.38	1.0	50.00		103	71.9	136				
1,1-Dichloroethane	44.36	1.0	50.00		88.7	67.7	138				
1,1-Dichloroethene	48.28	2.0	50.00		96.6	60.5	156				
1,2,4-Trichlorobenzene	37.80	1.0	50.00		75.6	60	130				
1,2-Dibromo-3-chloropropane	43.73	1.0	50.00		87.5	60.6	128				
1,2-Dibromoethane	53.35	1.0	50.00		107	75	133				
1,2-Dichlorobenzene	45.06	1.0	50.00		90.1	71.7	127				
1,2-Dichloroethane	47.14	1.0	50.00		94.3	71.7	134				
1,2-Dichloropropane	52.02	1.0	50.00		104	69.6	137				
1,3-Dichlorobenzene	46.65	1.0	50.00		93.3	71.4	130				
1,4-Dichlorobenzene	45.95	1.0	50.00		91.9	72.7	123				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Ft. Inn
Workorder: 1507G75

ANALYTICAL QC SUMMARY REPORT

BatchID: 210626

Sample ID: **1507G94-001AMS** Client ID:
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **07/25/2015** Run No: **296668**
BatchID: **210626** Analysis Date: **07/25/2015** Seq No: **6329168**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	51.69	1.0	50.00		103	70	135				
Bromodichloromethane	50.42	1.0	50.00		101	60.3	142				
Bromoform	57.92	1.0	50.00		116	50.2	139				
Carbon tetrachloride	55.44	2.0	50.00		111	64.4	146				
Chlorobenzene	50.99	1.0	50.00		102	70.5	132				
Chloroform	45.84	1.0	50.00		91.7	70.1	141				
cis-1,2-Dichloroethene	51.25	1.0	50.00		102	70.7	138				
cis-1,3-Dichloropropene	44.25	1.0	50.00		88.5	58.7	137				
Dibromochloromethane	54.57	1.0	50.00		109	63.2	130				
Ethylbenzene	53.61	1.0	50.00		107	73.7	135				
Isopropylbenzene	52.21	1.0	50.00		104	66.2	129				
m,p-Xylene	106.3	1.0	100.0		106	70.7	136				
Methylene chloride	43.46	5.0	50.00		86.9	70.1	132				
o-Xylene	51.63	1.0	50.00		103	71.3	137				
Styrene	55.39	1.0	50.00		111	72	135				
Tetrachloroethene	61.26	1.0	50.00	4.230	114	71.4	139				
Toluene	52.68	1.0	50.00		105	70.5	137				
trans-1,2-Dichloroethene	48.37	2.0	50.00		96.7	68.3	142				
trans-1,3-Dichloropropene	42.58	2.0	50.00		85.2	60.2	124				
Trichloroethene	53.16	1.0	50.00	1.340	104	71.8	139				
Vinyl chloride	39.44	1.0	50.00		78.9	70	132				
Surr: 4-Bromofluorobenzene	49.03	0	50.00		98.1	70	130				
Surr: Dibromofluoromethane	47.74	0	50.00		95.5	70	130				
Surr: Toluene-d8	49.10	0	50.00		98.2	70	130				

Client: AMEC E&I, Inc.
Project Name: RBTC Ft. Inn
Workorder: 1507G75

ANALYTICAL QC SUMMARY REPORT

BatchID: 210626

Sample ID: **1507G94-001AMSD** Client ID: Units: **ug/L** Prep Date: **07/25/2015** Run No: **296668**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **210626** Analysis Date: **07/25/2015** Seq No: **6329169**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	47.15	1.0	50.00		94.3	64.1	145	48.64	3.11	20	
1,1,2,2-Tetrachloroethane	52.41	1.0	50.00		105	63.6	133	52.03	0.728	20	
1,1,2-Trichloroethane	49.33	1.0	50.00		98.7	71.9	136	51.38	4.07	20	
1,1-Dichloroethane	43.73	1.0	50.00		87.5	67.7	138	44.36	1.43	20	
1,1-Dichloroethene	46.87	2.0	50.00		93.7	60.5	156	48.28	2.96	20	
1,2,4-Trichlorobenzene	37.42	1.0	50.00		74.8	60	130	37.80	1.01	26.5	
1,2-Dibromo-3-chloropropane	44.01	1.0	50.00		88.0	60.6	128	43.73	0.638	20.4	
1,2-Dibromoethane	54.91	1.0	50.00		110	75	133	53.35	2.88	20	
1,2-Dichlorobenzene	44.71	1.0	50.00		89.4	71.7	127	45.06	0.780	20	
1,2-Dichloroethane	45.76	1.0	50.00		91.5	71.7	134	47.14	2.97	20	
1,2-Dichloropropane	49.67	1.0	50.00		99.3	69.6	137	52.02	4.62	20	
1,3-Dichlorobenzene	46.65	1.0	50.00		93.3	71.4	130	46.65	0	20	
1,4-Dichlorobenzene	45.58	1.0	50.00		91.2	72.7	123	45.95	0.808	20	
Benzene	51.00	1.0	50.00		102	70	135	51.69	1.34	20	
Bromodichloromethane	49.29	1.0	50.00		98.6	60.3	142	50.42	2.27	20	
Bromoform	57.28	1.0	50.00		115	50.2	139	57.92	1.11	20	
Carbon tetrachloride	53.71	2.0	50.00		107	64.4	146	55.44	3.17	19.3	
Chlorobenzene	49.61	1.0	50.00		99.2	70.5	132	50.99	2.74	20	
Chloroform	44.26	1.0	50.00		88.5	70.1	141	45.84	3.51	20	
cis-1,2-Dichloroethene	50.77	1.0	50.00		102	70.7	138	51.25	0.941	20	
cis-1,3-Dichloropropene	43.96	1.0	50.00		87.9	58.7	137	44.25	0.658	20	
Dibromochloromethane	53.48	1.0	50.00		107	63.2	130	54.57	2.02	20	
Ethylbenzene	53.37	1.0	50.00		107	73.7	135	53.61	0.449	20	
Isopropylbenzene	52.42	1.0	50.00		105	66.2	129	52.21	0.401	20	
m,p-Xylene	105.1	1.0	100.0		105	70.7	136	106.3	1.14	20	
Methylene chloride	42.49	5.0	50.00		85.0	70.1	132	43.46	2.26	20	
o-Xylene	51.37	1.0	50.00		103	71.3	137	51.63	0.505	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Ft. Inn
Workorder: 1507G75

ANALYTICAL QC SUMMARY REPORT

BatchID: 210626

Sample ID: **1507G94-001AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **07/25/2015** Run No: **296668**
BatchID: **210626** Analysis Date: **07/25/2015** Seq No: **6329169**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Styrene	55.10	1.0	50.00		110	72	135	55.39	0.525	20	
Tetrachloroethene	60.42	1.0	50.00	4.230	112	71.4	139	61.26	1.38	20	
Toluene	51.63	1.0	50.00		103	70.5	137	52.68	2.01	20	
trans-1,2-Dichloroethene	47.57	2.0	50.00		95.1	68.3	142	48.37	1.67	20	
trans-1,3-Dichloropropene	41.13	2.0	50.00		82.3	60.2	124	42.58	3.46	20	
Trichloroethene	51.07	1.0	50.00	1.340	99.5	71.8	139	53.16	4.01	20	
Vinyl chloride	39.64	1.0	50.00		79.3	70	132	39.44	0.506	20	
Surr: 4-Bromofluorobenzene	48.70	0	50.00		97.4	70	130	49.03	0	0	
Surr: Dibromofluoromethane	47.33	0	50.00		94.7	70	130	47.74	0	0	
Surr: Toluene-d8	47.30	0	50.00		94.6	70	130	49.10	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 02, 2015

Paul Johnstone
AMEC E&I, Inc.
37 Villa Rd.
Greenville SC 29615

TEL: (864) 552-9624
FAX: (864) 552-9699

RE: RBTC Fountain Inn

Dear Paul Johnstone: Order No: 1511L22

Analytical Environmental Services, Inc. received 6 samples on 11/21/2015 9:20:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-South Carolina Certification number 98016003 for Clean Water Act and for Solid and Hazardous Waste, effective until 6/30/16.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1511122

Date: 11-20-15 Page 1 of 1

COMPANY: AMEC FW

ADDRESS: 37 Villa Road; Ste 201 Greenville, SC 29615

PHONE:

FAX:

SAMPLED BY: Lori Mauldin

SIGNATURE: Lori Maulan

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes) NA	REMARKS	No # of Containers
1	SFB-00-001	11-20	900	X		W	X		1
2	SS-07-04X000XX		900	X		SO	X		1
3	SS-07-05X000XX		910	X		SO	X		1
4	SS-07-06X000XX		920	X		SO	X		1
5	SS-07-07X000XX		930	X		SO	X		1
6	SS-07-08X000XX		940	X		SO	X		1
7									
8									
9									
10									
11									
12									
13									
14									

ANALYSIS REQUESTED

PM2.5

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Lori Maulan	11-20-15 1600	1: FedEx	11-20-15 1630
2:		2:	11/21/15 9:20
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:
temp: 2.6°C

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT (FedEx) UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: RBTC Ft. Inn
PROJECT #: 625112100 7
SITE ADDRESS: Fountain Inn, SC
SEND REPORT TO: Paul Johnstone
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#: 0125041 08

RECEIPT
Total # of Containers: 6

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any): SC
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 2-Dec-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	8FB-00-001
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/20/2015 9:00:00 AM
Lab ID:	1511L22-001	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3510C)									
Naphthalene	BRL		1.1	10	ug/L	216337	1	11/25/2015 19:45	RF
Acenaphthylene	BRL		0.89	10	ug/L	216337	1	11/25/2015 19:45	RF
1-Methylnaphthalene	BRL		0.83	10	ug/L	216337	1	11/25/2015 19:45	RF
2-Methylnaphthalene	BRL		0.69	10	ug/L	216337	1	11/25/2015 19:45	RF
Acenaphthene	BRL		0.71	10	ug/L	216337	1	11/25/2015 19:45	RF
Fluorene	BRL		0.92	10	ug/L	216337	1	11/25/2015 19:45	RF
Phenanthrene	BRL		1.0	10	ug/L	216337	1	11/25/2015 19:45	RF
Anthracene	BRL		1.0	10	ug/L	216337	1	11/25/2015 19:45	RF
Fluoranthene	BRL		0.87	10	ug/L	216337	1	11/25/2015 19:45	RF
Pyrene	BRL		1.2	10	ug/L	216337	1	11/25/2015 19:45	RF
Benz(a)anthracene	BRL		0.91	10	ug/L	216337	1	11/25/2015 19:45	RF
Chrysene	BRL		1.0	10	ug/L	216337	1	11/25/2015 19:45	RF
Benzo(b)fluoranthene	BRL		0.70	10	ug/L	216337	1	11/25/2015 19:45	RF
Benzo(k)fluoranthene	BRL		0.74	10	ug/L	216337	1	11/25/2015 19:45	RF
Benzo(a)pyrene	BRL		0.54	10	ug/L	216337	1	11/25/2015 19:45	RF
Dibenz(a,h)anthracene	BRL		0.63	10	ug/L	216337	1	11/25/2015 19:45	RF
Benzo(g,h,i)perylene	BRL		0.83	10	ug/L	216337	1	11/25/2015 19:45	RF
Indeno(1,2,3-cd)pyrene	BRL		1.5	10	ug/L	216337	1	11/25/2015 19:45	RF
Surr: Nitrobenzene-d5	92.2		0	44-122	%REC	216337	1	11/25/2015 19:45	RF
Surr: 2-Fluorobiphenyl	85.5		0	50.1-120	%REC	216337	1	11/25/2015 19:45	RF
Surr: 4-Terphenyl-d14	88.9		0	44.9-119	%REC	216337	1	11/25/2015 19:45	RF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 2-Dec-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SS-07-04X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/20/2015 9:00:00 AM
Lab ID:	1511L22-002	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D					**(SW3550C)**				
Naphthalene	BRL		28	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Acenaphthylene	BRL		21	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
1-Methylnaphthalene	BRL		31	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
2-Methylnaphthalene	BRL		33	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Acenaphthene	BRL		17	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Fluorene	BRL		13	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Phenanthrene	BRL		18	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Anthracene	BRL		17	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Fluoranthene	110	J	16	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Pyrene	86	J	19	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Benz(a)anthracene	43	J	30	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Chrysene	73	J	26	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Benzo(b)fluoranthene	120	J	31	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Benzo(k)fluoranthene	BRL		10	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Benzo(a)pyrene	48	J	17	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Dibenz(a,h)anthracene	BRL		25	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Benzo(g,h,i)perylene	69	J	13	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Indeno(1,2,3-cd)pyrene	52	J	11	390	ug/Kg-dry	216306	1	11/25/2015 21:32	RF
Surr: 2-Fluorobiphenyl	85		0	52.3-120	%REC	216306	1	11/25/2015 21:32	RF
Surr: 4-Terphenyl-d14	83.1		0	60.2-120	%REC	216306	1	11/25/2015 21:32	RF
Surr: Nitrobenzene-d5	87.2		0	45.7-120	%REC	216306	1	11/25/2015 21:32	RF
PERCENT MOISTURE D2216									
Percent Moisture	16.2		0	0	wt%	R305400	1	11/30/2015 10:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 2-Dec-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SS-07-05X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/20/2015 9:10:00 AM
Lab ID:	1511L22-003	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3550C)									
Naphthalene	BRL		41	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Acenaphthylene	BRL		30	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
1-Methylnaphthalene	BRL		45	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
2-Methylnaphthalene	BRL		48	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Acenaphthene	BRL		24	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Fluorene	BRL		18	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Phenanthrene	BRL		26	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Anthracene	BRL		25	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Fluoranthene	73	J	23	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Pyrene	60	J	28	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Benz(a)anthracene	BRL		43	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Chrysene	BRL		37	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Benzo(b)fluoranthene	91	J	45	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Benzo(k)fluoranthene	BRL		15	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Benzo(a)pyrene	BRL		25	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Dibenz(a,h)anthracene	BRL		36	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Benzo(g,h,i)perylene	BRL		19	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Indeno(1,2,3-cd)pyrene	BRL		16	570	ug/Kg-dry	216306	1	11/25/2015 21:59	RF
Surr: 2-Fluorobiphenyl	77.5		0	52.3-120	%REC	216306	1	11/25/2015 21:59	RF
Surr: 4-Terphenyl-d14	78.2		0	60.2-120	%REC	216306	1	11/25/2015 21:59	RF
Surr: Nitrobenzene-d5	80.3		0	45.7-120	%REC	216306	1	11/25/2015 21:59	RF
PERCENT MOISTURE D2216									
Percent Moisture	42.4		0	0	wt%	R305400	1	11/30/2015 10:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 2-Dec-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SS-07-06X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/20/2015 9:20:00 AM
Lab ID:	1511L22-004	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3550C)									
Naphthalene	BRL		29	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Acenaphthylene	BRL		21	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
1-Methylnaphthalene	BRL		32	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
2-Methylnaphthalene	BRL		34	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Acenaphthene	BRL		17	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Fluorene	BRL		13	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Phenanthrene	BRL		18	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Anthracene	BRL		17	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Fluoranthene	BRL		16	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Pyrene	BRL		20	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Benz(a)anthracene	BRL		30	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Chrysene	BRL		26	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Benzo(b)fluoranthene	BRL		32	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Benzo(k)fluoranthene	BRL		11	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Benzo(a)pyrene	BRL		18	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Dibenz(a,h)anthracene	BRL		25	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Benzo(g,h,i)perylene	BRL		14	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Indeno(1,2,3-cd)pyrene	BRL		12	400	ug/Kg-dry	216306	1	11/25/2015 22:26	RF
Surr: 2-Fluorobiphenyl	81		0	52.3-120	%REC	216306	1	11/25/2015 22:26	RF
Surr: 4-Terphenyl-d14	82.3		0	60.2-120	%REC	216306	1	11/25/2015 22:26	RF
Surr: Nitrobenzene-d5	87.8		0	45.7-120	%REC	216306	1	11/25/2015 22:26	RF
PERCENT MOISTURE D2216									
Percent Moisture	18.3		0	0	wt%	R305400	1	11/30/2015 10:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 2-Dec-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SS-07-07X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/20/2015 9:30:00 AM
Lab ID:	1511L22-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D					**(SW3550C)**				
Naphthalene	BRL		29	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Acenaphthylene	BRL		21	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
1-Methylnaphthalene	BRL		32	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
2-Methylnaphthalene	BRL		34	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Acenaphthene	BRL		17	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Fluorene	BRL		13	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Phenanthrene	110	J	18	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Anthracene	BRL		17	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Fluoranthene	300	J	16	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Pyrene	240	J	20	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Benz(a)anthracene	170	J	30	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Chrysene	220	J	26	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Benzo(b)fluoranthene	440		31	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Benzo(k)fluoranthene	100	J	11	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Benzo(a)pyrene	160	J	18	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Dibenz(a,h)anthracene	BRL		25	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Benzo(g,h,i)perylene	130	J	13	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Indeno(1,2,3-cd)pyrene	110	J	11	400	ug/Kg-dry	216306	1	11/25/2015 22:52	RF
Surr: 2-Fluorobiphenyl	82.9		0	52.3-120	%REC	216306	1	11/25/2015 22:52	RF
Surr: 4-Terphenyl-d14	82.2		0	60.2-120	%REC	216306	1	11/25/2015 22:52	RF
Surr: Nitrobenzene-d5	84.2		0	45.7-120	%REC	216306	1	11/25/2015 22:52	RF
PERCENT MOISTURE D2216									
Percent Moisture	18.0		0	0	wt%	R305400	1	11/30/2015 10:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 2-Dec-15

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SS-07-08X000XX
Project Name:	RBTC Fountain Inn	**Collection Date:**	11/20/2015 9:40:00 AM
Lab ID:	1511L22-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D (SW3550C)									
Naphthalene	BRL		29	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Acenaphthylene	BRL		21	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
1-Methylnaphthalene	BRL		31	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
2-Methylnaphthalene	BRL		33	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Acenaphthene	BRL		17	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Fluorene	BRL		13	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Phenanthrene	BRL		18	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Anthracene	BRL		17	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Fluoranthene	96	J	16	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Pyrene	75	J	20	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Benz(a)anthracene	41	J	30	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Chrysene	59	J	26	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Benzo(b)fluoranthene	100	J	31	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Benzo(k)fluoranthene	BRL		10	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Benzo(a)pyrene	53	J	18	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Dibenz(a,h)anthracene	BRL		25	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Benzo(g,h,i)perylene	51	J	13	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Indeno(1,2,3-cd)pyrene	41	J	11	400	ug/Kg-dry	216306	1	11/25/2015 23:19	RF
Surr: 2-Fluorobiphenyl	79		0	52.3-120	%REC	216306	1	11/25/2015 23:19	RF
Surr: 4-Terphenyl-d14	80.4		0	60.2-120	%REC	216306	1	11/25/2015 23:19	RF
Surr: Nitrobenzene-d5	86.5		0	45.7-120	%REC	216306	1	11/25/2015 23:19	RF
PERCENT MOISTURE D2216									
Percent Moisture	17.2		0	0	wt%	R305400	1	11/30/2015 10:00	PF

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC/SC Work Order Number 1511L22

Checklist completed by _____ 11/21/15
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 2.6°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by AD

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

Analytical Environmental Services, Inc

Date: 2-Dec-15

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Lab Order: 1511L22

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1511L22-001A	8FB-00-001	11/20/2015 9:00:00AM	Groundwater	POLYNUCLEAR AROMATIC HYDROCAR		11/24/2015 2:50:00 PM	11/25/2015
1511L22-002A	SS-07-04X000XX	11/20/2015 9:00:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCAR		11/23/2015 3:00:00 PM	11/25/2015
1511L22-002A	SS-07-04X000XX	11/20/2015 9:00:00AM	Soil	PERCENT MOISTURE			11/30/2015
1511L22-003A	SS-07-05X000XX	11/20/2015 9:10:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCAR		11/23/2015 3:00:00 PM	11/25/2015
1511L22-003A	SS-07-05X000XX	11/20/2015 9:10:00AM	Soil	PERCENT MOISTURE			11/30/2015
1511L22-004A	SS-07-06X000XX	11/20/2015 9:20:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCAR		11/23/2015 3:00:00 PM	11/25/2015
1511L22-004A	SS-07-06X000XX	11/20/2015 9:20:00AM	Soil	PERCENT MOISTURE			11/30/2015
1511L22-005A	SS-07-07X000XX	11/20/2015 9:30:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCAR		11/23/2015 3:00:00 PM	11/25/2015
1511L22-005A	SS-07-07X000XX	11/20/2015 9:30:00AM	Soil	PERCENT MOISTURE			11/30/2015
1511L22-006A	SS-07-08X000XX	11/20/2015 9:40:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCAR		11/23/2015 3:00:00 PM	11/25/2015
1511L22-006A	SS-07-08X000XX	11/20/2015 9:40:00AM	Soil	PERCENT MOISTURE			11/30/2015

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1511L22

ANALYTICAL QC SUMMARY REPORT

BatchID: 216306

Sample ID: **MB-216306** Client ID: Units: **ug/Kg** Prep Date: **11/23/2015** Run No: **305064**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216306** Analysis Date: **11/24/2015** Seq No: **6535138**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	330									
2-Methylnaphthalene	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Phenanthrene	BRL	330									
Pyrene	BRL	330									
Surr: 2-Fluorobiphenyl	1288	0	1667		77.3	52.3	120				
Surr: 4-Terphenyl-d14	1404	0	1667		84.3	60.2	120				
Surr: Nitrobenzene-d5	1283	0	1667		77.0	45.7	120				

Sample ID: **LCS-216306** Client ID: Units: **ug/Kg** Prep Date: **11/23/2015** Run No: **305064**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216306** Analysis Date: **11/24/2015** Seq No: **6535139**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1422	330	1667		85.3	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1511L22

ANALYTICAL QC SUMMARY REPORT

BatchID: 216306

Sample ID: **LCS-216306** Client ID: Units: **ug/Kg** Prep Date: **11/23/2015** Run No: **305064**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216306** Analysis Date: **11/24/2015** Seq No: **6535139**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	1395	330	1667		83.7	70	130				
Acenaphthene	1422	330	1667		85.3	70	130				
Acenaphthylene	1391	330	1667		83.5	70	130				
Anthracene	1432	330	1667		85.9	70	130				
Benz(a)anthracene	1457	330	1667		87.4	70	130				
Benzo(a)pyrene	1440	330	1667		86.4	70	130				
Benzo(b)fluoranthene	1589	330	1667		95.3	70	130				
Benzo(g,h,i)perylene	1527	330	1667		91.6	70	130				
Benzo(k)fluoranthene	1509	330	1667		90.6	70	130				
Chrysene	1449	330	1667		86.9	70	130				
Dibenz(a,h)anthracene	1442	330	1667		86.5	70	130				
Fluoranthene	1488	330	1667		89.3	70	130				
Fluorene	1420	330	1667		85.2	70	130				
Indeno(1,2,3-cd)pyrene	1484	330	1667		89.1	70	130				
Naphthalene	1376	330	1667		82.5	70	130				
Phenanthrene	1458	330	1667		87.5	70	130				
Pyrene	1452	330	1667		87.1	70	130				
Surr: 2-Fluorobiphenyl	1398	0	1667		83.9	52.3	120				
Surr: 4-Terphenyl-d14	1392	0	1667		83.5	60.2	120				
Surr: Nitrobenzene-d5	1408	0	1667		84.5	45.7	120				

Sample ID: **1511H25-005AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **11/23/2015** Run No: **305125**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216306** Analysis Date: **11/24/2015** Seq No: **6537267**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1545	380	1901		81.3	53.4	120				
2-Methylnaphthalene	1527	380	1901		80.3	50.6	120				
Acenaphthene	1573	380	1901		82.8	50.9	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1511L22

ANALYTICAL QC SUMMARY REPORT

BatchID: 216306

Sample ID: **1511H25-005AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **11/23/2015** Run No: **305125**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216306** Analysis Date: **11/24/2015** Seq No: **6537267**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	1541	380	1901		81.1	51.8	120				
Anthracene	1606	380	1901		84.5	52.4	120				
Benz(a)anthracene	1724	380	1901		90.7	52.4	122				
Benzo(a)pyrene	1723	380	1901		90.6	46.6	120				
Benzo(b)fluoranthene	1975	380	1901		104	51	122				
Benzo(g,h,i)perylene	1827	380	1901		96.1	50.7	121				
Benzo(k)fluoranthene	1544	380	1901		81.2	47.1	120				
Chrysene	1672	380	1901		87.9	54.5	120				
Dibenz(a,h)anthracene	1810	380	1901		95.2	51.5	120				
Fluoranthene	1812	380	1901		95.3	55.4	120				
Fluorene	1596	380	1901		84.0	55.6	120				
Indeno(1,2,3-cd)pyrene	1871	380	1901		98.4	51.5	120				
Naphthalene	1463	380	1901		76.9	51.2	120				
Phenanthrene	1707	380	1901		89.8	54.7	120				
Pyrene	1696	380	1901		89.2	53.4	120				
Surr: 2-Fluorobiphenyl	1600	0	1901		84.2	52.3	120				
Surr: 4-Terphenyl-d14	1668	0	1901		87.8	60.2	120				
Surr: Nitrobenzene-d5	1659	0	1901		87.3	45.7	120				

Sample ID: **1511H25-005AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **11/23/2015** Run No: **305125**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216306** Analysis Date: **11/24/2015** Seq No: **6537268**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1582	380	1901		83.2	53.4	120	1545	2.38	25.4	
2-Methylnaphthalene	1523	380	1901		80.1	50.6	120	1527	0.249	27.1	
Acenaphthene	1545	380	1901		81.3	50.9	120	1573	1.80	30	
Acenaphthylene	1491	380	1901		78.4	51.8	120	1541	3.31	22.1	
Anthracene	1525	380	1901		80.2	52.4	120	1606	5.20	27.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1511L22

ANALYTICAL QC SUMMARY REPORT

BatchID: 216306

Sample ID: **1511H25-005AMSD** Client ID:
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D**
Units: **ug/Kg-dry** Prep Date: **11/23/2015** Run No: **305125**
BatchID: **216306** Analysis Date: **11/24/2015** Seq No: **6537268**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benz(a)anthracene	1648	380	1901		86.7	52.4	122	1724	4.53	26.6	
Benzo(a)pyrene	1637	380	1901		86.1	46.6	120	1723	5.11	25.4	
Benzo(b)fluoranthene	1899	380	1901		99.9	51	122	1975	3.93	25.2	
Benzo(g,h,i)perylene	1707	380	1901		89.8	50.7	121	1827	6.78	24.8	
Benzo(k)fluoranthene	1506	380	1901		79.2	47.1	120	1544	2.47	27.8	
Chrysene	1572	380	1901		82.7	54.5	120	1672	6.14	22.4	
Dibenz(a,h)anthracene	1751	380	1901		92.1	51.5	120	1810	3.33	22.4	
Fluoranthene	1649	380	1901		86.7	55.4	120	1812	9.45	25.2	
Fluorene	1547	380	1901		81.4	55.6	120	1596	3.17	22	
Indeno(1,2,3-cd)pyrene	1766	380	1901		92.9	51.5	120	1871	5.77	23	
Naphthalene	1508	380	1901		79.3	51.2	120	1463	3.07	24.1	
Phenanthrene	1579	380	1901		83.0	54.7	120	1707	7.80	25.3	
Pyrene	1567	380	1901		82.4	53.4	120	1696	7.92	23.4	
Surr: 2-Fluorobiphenyl	1525	0	1901		80.2	52.3	120	1600	0	0	
Surr: 4-Terphenyl-d14	1531	0	1901		80.6	60.2	120	1668	0	0	
Surr: Nitrobenzene-d5	1586	0	1901		83.4	45.7	120	1659	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1511L22

ANALYTICAL QC SUMMARY REPORT

BatchID: 216337

Sample ID: **MB-216337** Client ID: Units: **ug/L** Prep Date: **11/24/2015** Run No: **305200**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216337** Analysis Date: **11/25/2015** Seq No: **6538097**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10									
2-Methylnaphthalene	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Phenanthrene	BRL	10									
Pyrene	BRL	10									
Surr: 2-Fluorobiphenyl	42.89	0	50.00		85.8	50.1	120				
Surr: 4-Terphenyl-d14	38.45	0	50.00		76.9	44.9	119				
Surr: Nitrobenzene-d5	41.94	0	50.00		83.9	44	122				

Sample ID: **LCS-216337** Client ID: Units: **ug/L** Prep Date: **11/24/2015** Run No: **305200**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216337** Analysis Date: **11/25/2015** Seq No: **6538098**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	43.54	10	50.00		87.1	70	130				
2-Methylnaphthalene	42.88	10	50.00		85.8	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1511L22

ANALYTICAL QC SUMMARY REPORT

BatchID: 216337

Sample ID: **LCS-216337** Client ID: Units: **ug/L** Prep Date: **11/24/2015** Run No: **305200**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216337** Analysis Date: **11/25/2015** Seq No: **6538098**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	43.25	10	50.00		86.5	70	130				
Acenaphthylene	42.30	10	50.00		84.6	70	130				
Anthracene	44.05	10	50.00		88.1	70	130				
Benz(a)anthracene	46.50	10	50.00		93.0	70	130				
Benzo(a)pyrene	47.11	10	50.00		94.2	70	130				
Benzo(b)fluoranthene	57.93	10	50.00		116	70	130				
Benzo(g,h,i)perylene	35.41	10	50.00		70.8	70	130				
Benzo(k)fluoranthene	40.19	10	50.00		80.4	70	130				
Chrysene	43.80	10	50.00		87.6	70	130				
Dibenz(a,h)anthracene	39.70	10	50.00		79.4	70	130				
Fluoranthene	46.53	10	50.00		93.1	70	130				
Fluorene	44.40	10	50.00		88.8	70	130				
Indeno(1,2,3-cd)pyrene	38.17	10	50.00		76.3	70	130				
Naphthalene	42.16	10	50.00		84.3	70	130				
Phenanthrene	44.90	10	50.00		89.8	70	130				
Pyrene	45.91	10	50.00		91.8	70	130				
Surr: 2-Fluorobiphenyl	40.85	0	50.00		81.7	50.1	120				
Surr: 4-Terphenyl-d14	41.43	0	50.00		82.9	44.9	119				
Surr: Nitrobenzene-d5	46.89	0	50.00		93.8	44	122				

Sample ID: **1511L77-001BMS** Client ID: Units: **ug/L** Prep Date: **11/24/2015** Run No: **305200**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216337** Analysis Date: **11/25/2015** Seq No: **6538497**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	59.68	10	50.00	28.83	61.7	47.2	121				
2-Methylnaphthalene	53.48	10	50.00	19.45	68.1	45.3	120				
Acenaphthene	40.16	10	50.00		80.3	52.4	120				
Acenaphthylene	37.66	10	50.00		75.3	48.2	119				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1511L22

ANALYTICAL QC SUMMARY REPORT

BatchID: 216337

Sample ID: **1511L77-001BMS** Client ID: Units: **ug/L** Prep Date: **11/24/2015** Run No: **305200**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216337** Analysis Date: **11/25/2015** Seq No: **6538497**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	47.16	10	50.00		94.3	53.1	120				
Benz(a)anthracene	47.98	10	50.00		96.0	54.6	128				
Benzo(a)pyrene	47.29	10	50.00		94.6	46.7	120				
Benzo(b)fluoranthene	57.88	10	50.00		116	49.4	132				
Benzo(g,h,i)perylene	32.19	10	50.00		64.4	48	129				
Benzo(k)fluoranthene	43.30	10	50.00		86.6	51.9	117				
Chrysene	45.49	10	50.00		91.0	51.7	118				
Dibenz(a,h)anthracene	35.45	10	50.00		70.9	49.8	121				
Fluoranthene	50.45	10	50.00		101	56.2	124				
Fluorene	42.14	10	50.00		84.3	50.3	119				
Indeno(1,2,3-cd)pyrene	35.02	10	50.00		70.0	48.5	125				
Naphthalene	71.46	10	50.00	32.71	77.5	50.2	120				
Phenanthrene	47.41	10	50.00		94.8	52.3	122				
Pyrene	45.18	10	50.00		90.4	52.5	124				
Surr: 2-Fluorobiphenyl	38.09	0	50.00		76.2	50.1	120				
Surr: 4-Terphenyl-d14	38.02	0	50.00		76.0	44.9	119				
Surr: Nitrobenzene-d5	46.05	0	50.00		92.1	44	122				

Sample ID: **1511L77-001BMSD** Client ID: Units: **ug/L** Prep Date: **11/24/2015** Run No: **305200**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **216337** Analysis Date: **11/25/2015** Seq No: **6538499**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	70.61	10	50.00	28.83	83.6	47.2	121	59.68	16.8	27.5	
2-Methylnaphthalene	62.94	10	50.00	19.45	87.0	45.3	120	53.48	16.3	26.2	
Acenaphthene	39.15	10	50.00		78.3	52.4	120	40.16	2.55	29.3	
Acenaphthylene	36.61	10	50.00		73.2	48.2	119	37.66	2.83	29.8	
Anthracene	46.41	10	50.00		92.8	53.1	120	47.16	1.60	25	
Benz(a)anthracene	47.60	10	50.00		95.2	54.6	128	47.98	0.795	25.3	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: RBTC Fountain Inn
Workorder: 1511L22

ANALYTICAL QC SUMMARY REPORT

BatchID: 216337

Sample ID: **1511L77-001BMSD** Client ID:
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D**
Units: **ug/L** Prep Date: **11/24/2015** Run No: **305200**
BatchID: **216337** Analysis Date: **11/25/2015** Seq No: **6538499**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	44.86	10	50.00		89.7	46.7	120	47.29	5.27	24.3	
Benzo(b)fluoranthene	54.65	10	50.00		109	49.4	132	57.88	5.74	27.4	
Benzo(g,h,i)perylene	30.42	10	50.00		60.8	48	129	32.19	5.65	23	
Benzo(k)fluoranthene	42.19	10	50.00		84.4	51.9	117	43.30	2.60	24.2	
Chrysene	44.72	10	50.00		89.4	51.7	118	45.49	1.71	25	
Dibenz(a,h)anthracene	34.11	10	50.00		68.2	49.8	121	35.45	3.85	24.3	
Fluoranthene	48.59	10	50.00		97.2	56.2	124	50.45	3.76	25.2	
Fluorene	40.13	10	50.00		80.3	50.3	119	42.14	4.89	29.3	
Indeno(1,2,3-cd)pyrene	33.00	10	50.00		66.0	48.5	125	35.02	5.94	22.6	
Naphthalene	72.04	10	50.00	32.71	78.7	50.2	120	71.46	0.808	23	
Phenanthrene	46.87	10	50.00		93.7	52.3	122	47.41	1.15	24.2	
Pyrene	45.91	10	50.00		91.8	52.5	124	45.18	1.60	25.9	
Surr: 2-Fluorobiphenyl	35.87	0	50.00		71.7	50.1	120	38.09	0	0	
Surr: 4-Terphenyl-d14	37.57	0	50.00		75.1	44.9	119	38.02	0	0	
Surr: Nitrobenzene-d5	43.68	0	50.00		87.4	44	122	46.05	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX I

DATA VALIDATION REPORT

DATA VALIDATION REPORT
REMEDIAL INVESTIGATION SAMPLING

RBTC FOUNTAIN INN

1.0 INTRODUCTION

Soil, sediment, pore water, and surface water samples were collected during sampling completed in November 2014 at the Robert Bosch Tool Corporation Fountain Inn Facility located in Fountain Inn, South Carolina. Groundwater samples were collected at the facility during January 2015 and additional soil samples were collected in July and November 2015. The samples were analyzed by Analytical Environmental Services, Inc. (AES) in Atlanta, Georgia. A summary of the sample delivery group (SDG) and field samples included in this review is contained in Table 1. Samples reviewed in this report were analyzed for one or more of the following United States Environmental Protection Agency (USEPA) SW-846 methods (USEPA, 1996):

- Volatile organic compounds (VOCs) in soil, sediment, and water by USEPA Method 8260B
- Semi-volatile organic compounds (SVOCs) in soil and water by USEPA Method 8270D
- Total metals by Inductively Coupled Plasma (ICP) in water by USEPA Method 6010C
- Total mercury in water by USEPA Method 7470A.
- Total Petroleum Hydrocarbon-Diesel Range Organics (TPH-DRO) in water by USEPA Method 8015C

Sample results were submitted from AES in seven sample delivery groups (SDG): 1411153, 1411267, 1411594, 1501P17, 1507504, 1507G75, and 1511L22.

Sample results were validated using general procedures in the USEPA National Data Validation Guidelines (USEPA, 2008; USEPA, 2010). Project data quality criteria for the VOCs, SVOCs, metals, mercury, and TPH-DRO analyses are identified based on laboratory quality control (QC) goals and the professional judgment of the project chemist. The laboratory QC limits were used during data validation. A Level II validation was performed on 100 percent of the laboratory analysis data and a Level III validation was performed on 10 percent of the laboratory analysis data. During the Level II validation the major quality assurance (QA)/QC indicators of analytical data quality are reviewed, but review of calculations and raw laboratory data is not included. QC data checks are completed using QC summary forms provided in the laboratory packages. The following parameters are checked during the Level II review:

- laboratory narrative
- sample chain of custody/sample condition upon receipt form
- sample preservation
- QC blanks (method, rinse, field, and trip)
- laboratory control sample (LCS) results
- matrix spike and matrix spike duplicate (MS/MSD) sample results
- surrogate recovery
- field replicate sample results
- sample results summary
- verification of electronic data deliverable (EDD) results

During the Level III validation the initial calibrations, the initial calibration verifications, the continuing calibration verifications, internal standards and continuing calibration blanks (metals only) were evaluated.

Validation reason codes are applied to the results to document the reason for necessary data qualification. Data validation qualifiers were added to results if associated quality control data did not meet goals in the validation guidelines or project work plan. The following data quality flags shown below are generally used to qualify data that did not meet project specific QC goals.

J	Estimated value
R	Unusable
U	Undetected
UJ	Undetected and reporting limit is estimated

2.0 VALIDATION OBSERVATION AND ACTIONS

With the exception of the data qualification actions discussed in the sections below, results are interpreted to be usable as reported by the laboratory. Qualification was required for the following:

- Detection of di-n-butyl phthalate in one method blank (MB-198877) resulted in the qualification of di-n-butyl phthalate results for samples SB-06-01X002XX, SB-06-02X002XX, and SB-08-03X008XX, reported in SDG 1411153.
- Recovery of LCS outside QC limits resulted in the qualification of the hexachlorobutadiene results for samples MW-08-01X000XX, MW-08-02D000XX, MW-08-03X000XD, MW-08-03X000XX, MW-08-04X000XX/MS/MD, MW-08-05X000XX, FB-00-001 and RB-00-001 reported in SDG 1411153.
- Detections of methylene chloride in two method blanks (MB-202599 and MB-202656) resulted in the qualification of methylene chloride results for samples MW-08-05X000XX, MW-09-13X000XX, MW-09-16D000XX, MW-09-17X000XX, and TB-00-001 reported in SDG 1501P17.
- Matrix spike recovery outside QC limits resulted in the qualification of the 2-chlorophenol results in sample MW-08-04X000XX/MS/MD reported in SDG 1501P17.
- Spike recovery outside QC limits (low) in one Interference Check Standard (ICS) resulted in the qualification of selenium results in samples MW-03-20X000XX, MW-03-21X000XX, MW-03-22X000XX, MW-04-23X000XD, MW-04-23X000XX/MS/MD, MW-04-24X000XX reported in SDG 1501P17.
- Detection of arsenic and chromium in Continuing Calibration Blanks (CCBs) resulted in the qualification of arsenic in samples MW-04-23X000XD and MW-04-23X000XX/MS/MD; and the qualification of chromium in samples MW-03-20X000XX, MW-03-21X000XX, MW-04-22X000XX, MW-04-23X000XD, MW-04-23X000XX/MS/MD, and MW-04-24X000XX reported in SDG 1501P17.
- Matrix spike recovery outside QC limits resulted in the qualification of the methylene chloride and vinyl chloride results in sample SD-09-03X000XX reported in SDG 1411267.
- Relative percent difference (RPD) exceedance for 1,2,4-trichlorobenzene in the matrix spike/matrix spike duplicate resulted in the qualification of the 1,2,4-trichlorobenzene result in sample SD-09-03X000XX reported in SDG 1411267.
- Detection of methylene chloride in a method blank (MB-210063) resulted in the qualification of methylene chloride results for samples SB-09-02X020XX, SB-09-03X000XX, SB-09-03X005XX, SB-09-03X010XX, SB-09-03X010MS, SB-09-03X010MD, SB-09-03X015XX, SB-09-04X000XX,

SB-09-04X005XX, SB-09-04X005XD, SB-09-04X010XX, SB-09-04X015XX, SB-09-04X020XX, SB-09-05X000XX, SB-09-05X005XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X000XX, and SB-09-06X005XX reported in SDG 1507504.

- Percent recoveries for the VOC internal standard 1,4-dichlorobenzene for samples SB-09-01X000XX, SB-09-01X010XX, SB-09-02X000XX, SB-09-02X005XX, SB-09-02X005XD, SB-09-02X010XX, SB-09-02X015XX, SB-09-04X015XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X015XX, and SB-09-06X020XX were outside the lower control limit and considered biased low due to suspected matrix interference reported in SDG 1507504.
- Percent recoveries for the VOC internal standards pentafluorobenzene and 1,4-dichlorobenzene for samples SB-09-05X005XD and SB-09-06X005XX were outside the lower control limit and considered biased low due to suspected matrix interference reported in SDG 1507504.
- Tetrachloroethene (perchloroethylene, or PCE) was reported outside of the calibration range for sample SB-09-05X000XX.
- RPD exceedance for PCE in the field duplicate pair SB-09-04X005XX/ SB-09-04X005XD resulted in the qualification of the PCE result in sample pair SB-09-04X005XX/ SB-09-04X005XD reported in SDG 1507504.
- RPD exceedance for methylene chloride and PCE in the field duplicate pair SB-09-05X015XX/ SB-09-05X015XD resulted in the qualification of the methylene chloride and PCE results in sample pair SB-09-05X015XX/ SB-09-05X015XD reported in SDG 1507504.
- Matrix spike recovery outside QC limits resulted in the qualification of the 1,1,1-trichloroethane; 1,2-dichloroethane; bromodichloromethane; and chloroform results in sample SB-09-02X020XX reported in SDG 1507504.
- Matrix spike recovery outside QC limits resulted in the qualification of the 2,4-dimethylphenol; 2-chlorophenol; and hexachlorobutadiene results in sample FB-01-01 reported in SDG 1507504.
- Matrix spike recovery outside QC limits resulted in the qualification of the benzo(a)pyrene, di-n-octyl phthalate, and fluoranthene results in sample SB-09-01X005XX reported in SDG 1507504.

2.1 VOCs in Soil, Sediment, and Water

Results were reported for VOCs by Method 8260. During the Level II review the data quality indicators listed below were reviewed. Checks that included validation actions are marked with an asterisk (*) and discussed in the following sections.

- laboratory narrative
- sample chain of custody/sample receipt records
- sample preservation
- holding times
- QC Blanks*

- LCS results
- MS/MSD sample results*
- surrogate recovery
- field replicate result
- sample result reporting
- verification of EDD results

During the Level III validation the initial calibrations, the initial calibration verifications, the continuing calibration verifications and internal standards were evaluated.

Validation actions required are presented in each section.

Holding Times

All VOC samples were analyzed within the required holding time.

Calibration and Internal Standards (Level III validation)

All calibrations were within required QC limits or analyte calibration was determined by linear regression. Internal standard 1,4-dichlorobenzene-d4 was outside the lower control limit for samples SB-09-01X000XX, SB-09-01X010XX, SB-09-02X000XX, SB-09-02X005XX, SB-09-02X005XD, SB-09-02X010XX, SB-09-02X015XX, SB-09-04X015XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X015XX, and SB-09-06X020XX in SDG 1507504. Compounds associated with internal standard 1,4-dichlorobenzene-d4 were considered biased low due to suspected matrix interference, therefore positive and non-detect results were flagged "J/UJ". Internal standards pentachlorobenzene and 1,4-dichlorobenzene-d4 were outside the lower control limit for samples SB-09-01X005XX and SB-09-06X005XX in SDG 1507504. Compounds associated with internal standards pentachlorobenzene and 1,4-dichlorobenzene-d4 were considered biased low due to suspected matrix interference, therefore positive and non-detect results were flagged "J/UJ".

PCE was reported outside of the calibration range for sample SB-09-05X000XX, therefore the positive sample result was qualified as estimated and flagged "J".

QC Blanks

QC blanks for VOCs include method blanks, field blanks, rinse blanks, and/or trip blanks. Any result less than 5 times (10 times for common contaminants) the concentration detected in the method blank was considered a possible laboratory artifact. Any result less than 5 times (10 times for common contaminants) the concentration detected in the field blank, rinse blank, and/or trip blank was considered a possible field artifact.

Methylene chloride was detected in method blanks which required data qualification. The methylene chloride concentrations in MW-08-05X000XX, MW-09-13X000XX, MW-09-16D000XX, MW-09-17X000XX, and TB-00-001 (SDG 1501P17) and SB-09-02X020XX, SB-09-03X000XX, SB-09-03X005XX, SB-09-03X010XX, SB-09-03X010MS, SB-09-03X010MD, SB-09-03X015XX, SB-09-04X000XX, SB-09-04X005XX, SB-09-04X005XD, SB-09-04X010XX, SB-09-04X015XX, SB-09-04X020XX, SB-09-05X000XX, SB-09-05X005XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X000XX, and SB-09-06X005XX (SDG 1507504) were qualified as "U".

Methylene chloride was detected in one trip blank (TB-00-001 in SDG 1501P17), but the associated concentrations in site samples were already qualified as estimated ("U" flagged), so no further qualification was necessary.

Acetone was detected in a three field blanks (FB-00-001, FB-00-002, FB-00-003 from SDG 1501P17), but the associated site samples were non-detect for acetone so data qualification was not required. Methylene chloride was detected in one field blank (FB-01-01), but the associated site samples were non-detect for methylene chloride so data qualification was not required.

LCS Results

Fourteen LCS samples or sample pairs were analyzed in the analytical sequences. In ten of these LCS analyses, target compound recoveries were within limits indicating good confirmation of data accuracy. Therefore, data qualification was not required. In four LCS analyses target compound recoveries were outside limits. In LCS-198787 (SDG 1411153) 1,2,4-trichlorobenzene and PCE recoveries were outside limits, but these compounds were not detected in associated samples so data qualification was not required. In LCS-198980 (SDGs 1411267) PCE recovery was outside limits; the associated sample (SD-09-07X000XX) was already qualified as estimated and flagged "J" because the detected concentration was less than the reporting limit. In LCS-209880 and LCS-210063 (SDG 1507504) 1,2,4-trichlorobenzene recoveries were outside limits, but this compound was not detected in associated samples so data qualification was not required. No further data qualification was required.

MS/MSD Sample Results

MS/MSD performance indicates matrix effects of the sample on the target compounds and/or analytes analyzed. Some of the MS/MSD samples were performed on non-project samples. No discussion of MS/MSDs is necessary for non-project samples since no qualification would be applied to project samples based on recoveries that are outside of recovery limits. The following project MS or MS/MSD samples were analyzed:

MS/MSDs were performed on project samples MW-04-24X000XX, PW-09-14X000XX, SB-08-03X008XD, SW-09-03X000XX, and RB-00-001, recoveries were within QC limits.

An MS/MSD was performed on project sample SB-08-06X008XX; recoveries were outside QC limits (low) for methylene chloride. However, the seventeen detections of methylene chloride in the associated site samples were already qualified as estimated and flagged "J" due to the concentrations being less than the reporting limit. No further data qualification was required.

An MS/MSD was performed on project sample SD-09-07X000XX; recoveries were outside QC limits (high) for 1,2,4-trichlorobenzene. However, since 1,2,4-trichlorobenzene was not detected in the sample, data qualification was not required.

An MS/MSD was performed on project sample SD-09-03X000XX; recoveries were outside QC limits (low) for methylene chloride and vinyl chloride; and the RPD was greater than 23.9 percent for 1,2,4-trichlorobenzene. Therefore, the 1,2,4-trichlorobenzene; methylene chloride; and vinyl chloride results in sample SD-09-03X000XX were qualified as estimated concentrations and flagged "UJ".

An MS/MSD was performed on project sample MW-08-04X000XX/MS/MD; recoveries were outside QC limits (high) for vinyl chloride. However, since vinyl chloride was not detected in the sample, data qualification was not required.

An MS/MSD was performed on project sample SB-09-06X005XX; recoveries were outside QC limits (high) for 1,2,4-trichlorobenzene. However, since 1,2,4-trichlorobenzene was not detected in the sample, data qualification was not required.

An MS/MSD was performed on project sample SB-09-04X010XX; recoveries were outside QC limits (high) for 1,2,4-trichlorobenzene. However, since 1,2,4-trichlorobenzene was not detected in the sample, data qualification was not required.

An MS/MSD was performed on project sample SB-09-02X020XX; recoveries were outside QC limits (low) for 1,1,1-trichloroethane; 1,2-dichloroethane; bromodichloromethane; and chloroform. Therefore, the 1,1,1-trichloroethane; 1,2-dichloroethane; bromodichloromethane; and chloroform results in sample SB-09-02X020XX were qualified as estimated concentrations and flagged "UJ".

Field Duplicates Results

Field duplicates for VOCs were collected on four samples: SB-08-03X008XX/SB-08-03X008XD, MW-08-03X000XX/ MW-08-03X000XD; MW-09-11X000XX/ MW-09-11X000XD; and SW-09-13X000XX/ SW-09-13X000XD. Field duplicate precision, expressed as RPD, is evaluated for results detected above the reporting limit in both the parent and duplicate samples.

VOCs were not detected in the parent/duplicate samples SW-09-13X000XX/ SW-09-13X000XD; therefore, duplicate precision could not be assessed due to the lack of detections above the reporting limit.

VOCs were detected in the parent/duplicate samples MW-09-11X000XX/ MW-09-11X000XD. RPDs were less than 30 percent, meeting field duplicate precision requirements.

VOCs were detected in the parent/duplicate samples SB-08-03X008XX/SB-08-03X008XD and MW-08-03X000XX/ MW-08-03X000XD. However, because the detected concentrations were already qualified as estimated ("J" flagged) due to the concentrations being less than the reporting limit, RPD calculations were not applicable.

2.2 SVOCs in Soil and Water

Based on the project scope, results were reported for SVOCs by Method 8270D. During the Level II review the data quality indicators listed below were reviewed. Checks that included validation actions are marked with an asterisk (*) and discussed in the following sections.

- laboratory narrative
- sample chain of custody/sample receipt records
- sample preservation
- holding times
- QC Blanks*

- LCS results*
- MS/MSD sample results*
- field duplicates result
- sample result reporting
- verification of electronic database results

During the Level III validation the initial calibrations, the initial calibration verifications, and the continuing calibration verifications were evaluated. Internal standard results were not included for SVOCs.

Validation actions required are presented in each section per SDG.

Holding Times

All SVOC samples were analyzed within the required holding time.

Calibration and Internal Standards (Level III validation)

All calibrations and internal standards were within required QC limits or analyte calibration was determined by linear regression except for the following exception for SDG 1507504. Internal standard 1,4-dichlobenzene-d4 recovery was below the lower QC limit. Associated samples positive and non-detect compound associated with 1,4-dichlorobenzene-d4 will be qualified as estimated and flagged "J/UJ". Associated samples were SB-09-01X000XX, SB-09-01X010XX, SB-09-02X000XX, SB-09-02X005XX, SB-09-02X005XD, SB-09-02X010XX, SB-09-02X015XX, SB-09-04X015XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X015XX, and SB-09-06X020XX

QC Blanks

QC blanks for SVOCs include method blanks, field blanks, rinse (equipment) blanks, and/or trip blanks. Any result less than 5 times the concentration detected in the method blank was considered a possible laboratory artifact. Any result less than 5 times the concentration detected in the field blank and/or rinse blank was considered a possible field artifact. Associated sample results were qualified non-detect (U) in the final data. The rinse blanks were non-detect for SVOCs. Trip blanks were not analyzed for SVOCs.

Di-n-butyl phthalate was detected in a method blank which required data qualification. The estimated di-n-butyl phthalate concentrations in SB-06-01X002XX, SB-06-02X002XX, and SB-08-03X008XX (SDG 1411153) were qualified as "U" and raise to the reporting limit.

Caprolactum was detected in one rinse blank (RB-01-01), but the associated site samples were non-detect for caprolactum so data qualification was not required.

LCS Results

Multiple LCS samples were analyzed in analytical sequences. One SVOC (hexachlorobutadiene) had low LCS recoveries that required validation qualification. The non-detect concentrations of this SVOC in SDGs 1501P17, 1411153, and 1507504 were qualified as "UJ" in samples MW-08-01X000XX, MW-08-02D000XX, MW-08-03X000XD, MW-08-03X000XX, MW-08-04X000XX/MS/MD, MW-08-05X000XX, RB-00-001, RB-01-01, FB-00-001, and FB-01-01.

MS/MSD Sample Results

MS/MSD performance indicates matrix effects of the sample on the target compounds and/or analytes analyzed. MS/MSD recovery and/or RPD performance were within QC limits. The following project MS or MS/MSD samples were analyzed:

MS/MSDs were performed on samples SB-06-01X002MS, SS-07-02X000XX, and SB-09-04X015XX; recoveries were within QC limits. Therefore, no validation qualification was required.

MS/MSDs were performed on project sample SB-06-01X002MD; recoveries were outside QC limits (high) for acenaphthene and hexachlorobutadiene. However, acenaphthene and hexachlorobutadiene were not detected in the associated site sample, so data qualification was not required.

MS/MSDs were performed on project sample MW-08-04X000XX/MS/MD; recoveries were outside QC limits (low) for 2-chlorophenol which required qualification. The non-detect 2-chlorophenol concentration was qualified as estimated and flagged "UJ". In addition, RPDs were above limits for 2,4-dichlorophenol; 3-methylphenol; 3,3'-dichlorobenzidine; and 4-methylphenol. However, these compounds were not detected in the site sample, so data qualification was not required.

MS/MSDs were performed on project sample FB-01-01; recoveries were outside QC limits (low) for 2-chlorophenol and hexachlorobutadiene which required qualification. The non-detect 2-chlorophenol and hexachlorobutadiene concentrations were qualified as estimated and flagged "UJ". In addition, RPDs were above limits for 2,4-dichlorophenol which required qualification. The non-detect 2,4-dichlorophenol concentration was qualified as estimated and flagged "UJ".

MS/MSDs were performed on project sample SB-09-01X005XX; recoveries were outside QC limits (low) for benzo(a)pyrene, di-n-butyl phthalate, and fluoranthene which required qualification. The non-detect benzo(a)pyrene, di-n-butyl phthalate, and fluoranthene concentrations were qualified as estimated and flagged "UJ". In addition, recoveries were outside QC limits (high) for hexachlorobutadiene. However, this compound was not detected in the site sample, so data qualification was not required.

Field Duplicate Results

Field duplicates were collected on two samples: SB-08-03X008XX/SB-08-03X008XD and SS-07-01X000XX/SS-07-01X000XD. Field duplicate precision, expressed as RPD, is evaluated for results detected above the reporting limit in both the parent and duplicate samples.

SVOCs were detected in the parent/duplicate samples SB-08-03X008XX/SB-08-03X008XD and SS-07-01X000XX/SS-07-01X000XD. However, because at least one or both of the detected concentrations were already qualified as estimated ("J" flagged) due to the concentrations being less than the reporting limit, RPD calculations were not applicable.

2.3 Total ICP Metals

Based on the project scope, results were reported for total ICP metals by Method 6010. During the Level II review the data quality indicators listed below were reviewed. Checks that included validation actions are marked with an asterisk (*) and discussed in the following sections.

- laboratory narrative
- sample chain of custody/sample receipt records
- sample preservation

- holding times
- QC Blanks*
- LCS results
- MS/MSD sample results
- field replicate result
- sample result reporting
- verification of electronic database results

During the Level III validation the initial calibrations, the initial calibration verifications, the continuing calibration verifications, interference check standards and continuing calibration blanks (CCB) were evaluated.

Validation actions required are presented in each section.

Holding Times

All total metals samples were analyzed within the required holding time.

Sample Preservation

All samples were received at the laboratory preserved with nitric acid ($HNO_{3)}$ and pH less than/equal to 2.

Calibrations and Interference Check Standards (Level III validation)

All initial calibrations, initial calibration verifications, continuing calibration verifications and interference check standards were within the required limits except the interference check standard for selenium was low in one ICS. Selenium results were non-detect and qualified as biased low (UL).

QC Blanks

QC blanks for total metals include method blanks. Any result less than 5 times the concentration detected in the method blank was considered a possible laboratory artifact. Chromium was detected in one method blank. If the associated sample result was not 5 time greater than the blank concentration, the sample result was considered not-detect and flagged "U" and raise to reporting limit.

CCB (Level III validation)

CCBs for total metals were evaluated for level III validation. Any result less than 5 times the concentration detected in the CCBS were considered a possible laboratory artifact. Arsenic was detected in several CCBs. If the associated sample result was not 5 time greater than the blank concentration, the sample result was considered not-detect and flagged "U" and raise to reporting limit.

LCS Results

One LCS sample was analyzed in analytical sequences. In this LCS analysis, target compound recoveries were within limits indicating good confirmation of data accuracy. Therefore, validation qualification was not required.

MS/MSD Sample Results

MS/MSD performance indicates matrix effects of the sample on the target compounds and/or analytes analyzed. MS/MSD recoveries and/or RPD performance were within QC limits for four of seven MS/MSD samples. The following project MS or MS/MSD samples were analyzed:

An MS/MSD was performed on sample MW-04-23-X000XX/MS/MD; recoveries were within QC limits.

Field Duplicates Results

A Field duplicate was collected on one sample: MW-04-23X000XX/ MW-04-23X000XD. Field duplicate precision, expressed as RPD, is evaluated for results detected above the reporting limit in both the parent and duplicate samples.

Metals were detected in the parent/duplicate samples MW-04-23X000XX/ MW-04-23X000XD. Two metals (arsenic and chromium) were only detected at concentrations less than the reporting limits, so RPD calculations were not applicable. The RPD was less than 30 percent for the other detected metal (barium), therefore validation qualification was not required.

2.4 Total Mercury

Based on the project scope, results were reported for total mercury by Method 7470. During the Level II review the data quality indicators listed below were reviewed. Checks that included validation actions are marked with an asterisk (*) and discussed in the following sections.

- laboratory narrative
- sample chain of custody/sample receipt records
- sample preservation
- holding times
- QC Blanks
- LCS results
- MS/MSD sample results
- field replicate result
- sample result reporting
- verification of electronic database results

Validation actions required are presented in each section.

Holding Times

All total metals samples were analyzed within the required holding time.

Sample Preservation

All samples were received at the laboratory preserved with HNO_3 and pH less than/equal to 2.

Calibrations (Level III validation)

No qualifications were required due to calibrations for mercury.

QC Blanks

QC blanks for total mercury include method blanks. Any result less than 5 times the concentration detected in the method blank was considered a possible laboratory artifact. The method blank was non-detect. Therefore, qualification was not required.

CCB (Level III validation)

CCBs for total mercury were evaluated for level III validation. All CCBs for mercury were non-detect.

LCS Results

One LCS sample was analyzed in analytical sequences. In this LCS analysis, target compound recoveries were within limits indicating good confirmation of data accuracy. Therefore, validation qualification was not required.

MS/MSD Sample Results

MS/MSD performance indicates matrix effects of the sample on the target compounds and/or analytes analyzed. MS/MSD recoveries and/or RPD performance were within QC limits for four of seven MS/MSD samples. The following project MS or MS/MSD samples were analyzed:

An MS/MSD was performed on sample MW-04-23-X000XX/MS/MD; recoveries were within QC limits.

Field Duplicates Results

A field duplicate was collected on one sample: MW-04-23X000XX/ MW-04-23X000XD. Field duplicate precision, expressed as RPD, is evaluated for results detected above the reporting limit in both the parent and duplicate samples.

Mercury was detected in the parent sample (MW-04-23X000XX) at a concentration less than the reporting limit and non-detect in the duplicate sample (MW-04-23X000XD). Therefore, RPD calculations were not applicable.

2.5 Petroleum Hydrocarbons – Diesel Range Organics (TPH-DRO)

Based on the project scope, results were reported for TPH-DRO by Method 8015C. During the Level II review the data quality indicators listed below were reviewed. Checks that included validation actions are marked with an asterisk (*) and discussed in the following sections.

- laboratory narrative
- sample chain of custody/sample receipt records
- sample preservation
- holding times
- QC Blanks

- LCS results
- MS/MSD sample results
- surrogate recovery
- field replicate result
- sample result reporting
- verification of electronic database results

During the Level III validation the initial calibrations, the initial calibration verifications, and the continuing calibration verifications were evaluated.

Validation actions required are presented in each section.

Holding Times

All TPH-DRO samples were analyzed within the required holding time.

Sample Preservation

All samples were received at the laboratory cooled to 6^{o}C +/- 2^{o}C.

Calibrations (Level III validation)

No qualifications were required due to calibrations for TPH-DRO.

QC Blanks

QC blanks for TPH-DRO include method blanks. Any result less than 5 times the concentration detected in the method blank was considered a possible laboratory artifact. The method blank was non-detect.

LCS Results

One LCS sample was analyzed in analytical sequences. In this LCS analysis, target compound recoveries were within limits indicating good confirmation of data accuracy. Therefore, validation qualification was not required.

MS/MSD Sample Results

MS/MSD performance indicates matrix effects of the sample on the target compounds and/or analytes analyzed. MS/MSD recoveries and/or RPD performance were within QC limits for all MS/MSD pairs analyzed.

Field Duplicates Results

TPH-DRO was detected in the parent/duplicate samples MW-08-03X000XX/ MW-08-03X000XD, however the concentration in the duplicate was less than the reporting limit. Therefore, RPD calculations were not applicable.

3.0 SUMMARY

The data are usable with the qualification identified for the results associated with:

- PCE ("J" flagged)
- Acetone; benzo(a)pyrene; bromodichloromethane, bromomethane 2-butanone; carbon disulfide; chloroethane; chloroform; chloromethane; 2-chlorophenol; cyclohexane; 1,2-dibromo-3-chloropropane; 1,3-dichlorobenzene; 1,4-dichlorobenzene; dichlorodifluoromethane; 1,1-dichloroethane; 1,2-dichloroethane; cis-1,2-dichloroethene; trans-1,2-dichloroethene; 1,2-dichloropropane; trans-1,3-difluoromethane; 2,4-dimethylphenol; di-n-octyl phthalate; fluoranthene; freon-113; hexachlorobutadiene; isopropylbenzene; methyl acetate; methylene chloride; methyl tert-butyl ether; 1,1,2,2-tetrachloroethene; 1,2,4-trichlorobenzene; 1,1,1-trichloroethane; and vinyl chloride ("J"/"UJ" flagged).
- Selenium ("UL" flagged).
- Arsenic; chromium; methylene chloride, di-n-butyl phthalate ("U" flagged).

References:

U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 -December 1996.

U.S. Environmental Protection Agency (USEPA), 2008. "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review"; Office of Superfund Remediation and Technology Innovation; EPA-540/R-08-01; June 2008.

U.S. Environmental Protection Agency (USEPA), 2010. "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Inorganic Data Review"; Office of Superfund Remediation and Technology Innovation; EPA-540-R-10-011; January 2010.

Prepared by/Date: Lynne Clem 1/4/16
Checked by/Date: Daniel Howard 1/5/16

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL PARAMETERS
DATA VALIDATION REPORT
REMEDIAL INVESTIATION SAMPLES
RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

Boring	Sample ID	Date	Parameters	Methods	SDG
Soil Samples					
SB-04-01X002XX	SB-04-01X002XX	11/3/2014	VOCs	8260B	1411153
	SB-04-01X002XX	11/3/2014	SVOCs	8270D	1411153
SB-04-02X002XX	SB-04-02X002XX	11/3/2014	VOCs	8260B	1411153
	SB-04-02X002XX	11/3/2014	SVOCs	8270D	1411153
SB-04-03X002XX	SB-04-03X002XX	11/3/2014	VOCs	8260B	1411153
	SB-04-03X002XX	11/3/2014	SVOCs	8270D	1411153
SB-06-01X001XX	SB-06-01X001XX	11/3/2014	VOCs	8260B	1411153
	SB-06-01X001XX	11/3/2014	SVOCs	8270D	1411153
SB-06-01X002XX	SB-06-01X002XX	11/3/2014	VOCs	8260B	1411153
	SB-06-01X002XX [(b)]	11/3/2014	SVOCs	8270D	1411153
SB-06-01X002MD	SB-06-01X002MD	11/3/2014	VOCs	8260B	1411153
	SB-06-01X002MD [(b)]	11/3/2014	SVOCs	8270D	1411153
SB-06-01X002MS	SB-06-01X002MS	11/3/2014	VOCs	8260B	1411153
	SB-06-01X002MS [(b)]	11/3/2014	SVOCs	8270D	1411153
SB-06-02X001XX	SB-06-02X001XX	11/3/2014	VOCs	8260B	1411153
	SB-06-02X001XX	11/3/2014	SVOCs	8270D	1411153
SB-06-02X002XX	SB-06-02X002XX	11/3/2014	VOCs	8260B	1411153
	SB-06-02X002XX	11/3/2014	SVOCs	8270D	1411153
SB-08-01X008XX	SB-08-01X008XX	11/3/2014	VOCs	8260B	1411153
	SB-08-01X008XX	11/3/2014	SVOCs	8270D	1411153
SB-08-01X010XX	SB-08-01X010XX	11/3/2014	VOCs	8260B	1411153
	SB-08-01X010XX	11/3/2014	SVOCs	8270D	1411153
SB-08-02X008XX	SB-08-02X008XX	11/3/2014	VOCs	8260B	1411153
	SB-08-02X008XX	11/3/2014	SVOCs	8270D	1411153
SB-08-02X010XX	SB-08-02X010XX	11/3/2014	VOCs	8260B	1411153
	SB-08-02X010XX	11/3/2014	SVOCs	8270D	1411153
SB-08-03X008XX	SB-08-03X008XX	11/3/2014	VOCs	8260B	1411153
	SB-08-03X008XX	11/3/2014	SVOCs	8270D	1411153
SB-08-03X008XD	SB-08-03X008XD [(a)]	11/3/2014	VOCs	8260B	1411153
	SB-08-03X008XD	11/3/2014	SVOCs	8270D	1411153
SB-08-03X010XX	SB-08-03X010XX	11/3/2014	VOCs	8260B	1411153
	SB-08-03X010XX	11/3/2014	SVOCs	8270D	1411153
SB-08-04X008XX	SB-08-04X008XX	11/3/2014	VOCs	8260B	1411153
	SB-08-04X008XX	11/3/2014	SVOCs	8270D	1411153
SB-08-04X010XX	SB-08-04X010XX	11/3/2014	VOCs	8260B	1411153
	SB-08-04X010XX	11/3/2014	SVOCs	8270D	1411153
SB-08-05X008XX [(e)]	SB-08-05X008XX	11/3/2014	VOCs	8260B	1411153
	SB-08-05X008XX	11/3/2014	SVOCs	8270D	1411153
SB-08-05X010XX	SB-08-05X010XX	11/3/2014	VOCs	8260B	1411153
	SB-08-05X010XX	11/3/2014	SVOCs	8270D	1411153
SB-08-06X008XX	SB-08-06X008XX [(a)]	11/3/2014	VOCs	8260B	1411153
	SB-08-06X008XX	11/3/2014	SVOCs	8270D	1411153
SB-08-06X010XX	SB-08-06X010XX	11/3/2014	VOCs	8260B	1411153
	SB-08-06X010XX	11/3/2014	SVOCs	8270D	1411153
SB-08-07X008XX	SB-08-07X008XX	11/3/2014	VOCs	8260B	1411153
	SB-08-07X008XX	11/3/2014	SVOCs	8270D	1411153
SB-08-07X010XX	SB-08-07X010XX	11/3/2014	VOCs	8260B	1411153
	SB-08-07X010XX	11/3/2014	SVOCs	8270D	1411153
SB-08-08X008XX	SB-08-08X008XX	11/3/2014	VOCs	8260B	1411153
	SB-08-08X008XX	11/3/2014	SVOCs	8270D	1411153
SB-08-08X010XX	SB-08-08X010XX	11/3/2014	VOCs	8260B	1411153
	SB-08-08X010XX	11/3/2014	SVOCs	8270D	1411153

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REMEDIAL INVESTIATION SAMPLES
RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

Boring	Sample ID	Date	Parameters	Methods	SDG
SB-09-01X000XX	SB-09-01X000XX	7/7/2015	VOCs	8260B	1507504
	SB-09-01X000XX	7/7/2015	SVOCs	8270D	1507504
SB-09-01X005XX	SB-09-01X005XX	7/7/2015	VOCs	8260B	1507504
	SB-09-01X005XX [(b)]	7/7/2015	SVOCs	8270D	1507504
SB-09-01X010XX	SB-09-01X010XX	7/7/2015	VOCs	8260B	1507504
	SB-09-01X010XX	7/7/2015	SVOCs	8270D	1507504
SB-09-01X015XX	SB-09-01X015XX	7/7/2015	VOCs	8260B	1507504
	SB-09-01X015XX	7/7/2015	SVOCs	8270D	1507504
SB-09-02X000XX	SB-09-02X000XX	7/7/2015	VOCs	8260B	1507504
	SB-09-02X000XX	7/7/2015	SVOCs	8270D	1507504
SB-09-02X005XX	SB-09-02X005XX	7/7/2015	VOCs	8260B	1507504
	SB-09-02X005XX	7/7/2015	SVOCs	8270D	1507504
SB-09-02X005XD	SB-09-02X005XD	7/7/2015	VOCs	8260B	1507504
	SB-09-02X005XD	7/7/2015	SVOCs	8270D	1507504
SB-09-02X010XX	SB-09-02X010XX	7/7/2015	VOCs	8260B	1507504
	SB-09-02X010XX	7/7/2015	SVOCs	8270D	1507504
SB-09-02X015XX	SB-09-02X015XX	7/7/2015	VOCs	8260B	1507504
	SB-09-02X015XX	7/7/2015	SVOCs	8270D	1507504
SB-09-02X020XX	SB-09-02X020XX [(a)]	7/7/2015	VOCs	8260B	1507504
	SB-09-02X020XX	7/7/2015	SVOCs	8270D	1507504
SB-09-03X000XX	SB-09-03X000XX	7/7/2015	VOCs	8260B	1507504
	SB-09-03X000XX	7/7/2015	SVOCs	8270D	1507504
SB-09-03X005XX	SB-09-03X005XX	7/7/2015	VOCs	8260B	1507504
	SB-09-03X005XX	7/7/2015	SVOCs	8270D	1507504
SB-09-03X010XX	SB-09-03X010XX	7/7/2015	VOCs	8260B	1507504
	SB-09-03X010XX	7/7/2015	SVOCs	8270D	1507504
SB-09-03X010MS	SB-09-03X010MS	7/7/2015	VOCs	8260B	1507504
	SB-09-03X010MS	7/7/2015	SVOCs	8270D	1507504
SB-09-03X010MD	SB-09-03X010MD	7/7/2015	VOCs	8260B	1507504
	SB-09-03X010MD	7/7/2015	SVOCs	8270D	1507504
SB-09-03X015XX	SB-09-03X015XX	7/7/2015	VOCs	8260B	1507504
	SB-09-03X015XX	7/7/2015	SVOCs	8270D	1507504
SB-09-04X000XX	SB-09-04X000XX	7/7/2015	VOCs	8260B	1507504
	SB-09-04X000XX	7/7/2015	SVOCs	8270D	1507504
SB-09-04X005XX	SB-09-04X005XX	7/7/2015	VOCs	8260B	1507504
	SB-09-04X005XX	7/7/2015	SVOCs	8270D	1507504
SB-09-04X005XD	SB-09-04X005XD	7/7/2015	VOCs	8260B	1507504
	SB-09-04X005XD	7/7/2015	SVOCs	8270D	1507504
SB-09-04X010XX	SB-09-04X010XX [(a)]	7/7/2015	VOCs	8260B	1507504
	SB-09-04X010XX	7/7/2015	SVOCs	8270D	1507504
SB-09-04X015XX	SB-09-04X015XX	7/7/2015	VOCs	8260B	1507504
	SB-09-04X015XX [(b)]	7/7/2015	SVOCs	8270D	1507504
SB-09-04X020XX	SB-09-04X020XX	7/7/2015	VOCs	8260B	1507504
	SB-09-04X020XX	7/7/2015	SVOCs	8270D	1507504
SB-09-05X000XX	SB-09-05X000XX	7/7/2015	VOCs	8260B	1507504
	SB-09-05X000XX	7/7/2015	SVOCs	8270D	1507504
SB-09-05X005XX	SB-09-05X005XX	7/7/2015	VOCs	8260B	1507504
	SB-09-05X005XX	7/7/2015	SVOCs	8270D	1507504
SB-09-05X010XX	SB-09-05X010XX	7/7/2015	VOCs	8260B	1507504
	SB-09-05X010XX	7/7/2015	SVOCs	8270D	1507504
SB-09-05X015XX	SB-09-05X015XX	7/7/2015	VOCs	8260B	1507504
	SB-09-05X015XX	7/7/2015	SVOCs	8270D	1507504
SB-09-05X015XD	SB-09-05X015XD	7/7/2015	VOCs	8260B	1507504
	SB-09-05X015XD	7/7/2015	SVOCs	8270D	1507504

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RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

Boring	Sample ID	Date	Parameters	Methods	SDG
SB-09-06X000XX	SB-09-06X000XX	7/7/2015	VOCs	8260B	1507504
	SB-09-06X000XX	7/7/2015	SVOCs	8270D	1507504
SB-09-06X005XX	SB-09-06X005XX [a]	7/7/2015	VOCs	8260B	1507504
	SB-09-06X005XX	7/7/2015	SVOCs	8270D	1507504
SB-09-06X010XX	SB-09-06X010XX	7/7/2015	VOCs	8260B	1507504
	SB-09-06X010XX	7/7/2015	SVOCs	8270D	1507504
SB-09-06X015XX	SB-09-06X015XX	7/7/2015	VOCs	8260B	1507504
	SB-09-06X015XX	7/7/2015	SVOCs	8270D	1507504
SB-09-06X020XX	SB-09-06X020XX	7/7/2015	VOCs	8260B	1507504
	SB-09-06X020XX	7/7/2015	SVOCs	8270D	1507504
SS-07-01X000XD	SS-07-01X000XD	11/3/2014	PAHs	8270D	1411267
SS-07-01X000XX	SS-07-01X0001X	11/3/2014	PAHs	8270D	1411267
SS-07-02X000XX	SS-07-02X000XX [b]	11/3/2014	PAHs	8270D	1411267
SS-07-03X000XX	SS-07-03X000XX	11/3/2014	PAHs	8270D	1411267
SS-07-04X000XX	SS-07-04X000XX	11/20/2014	PAHs	8270D	1511L22
SS-07-05X000XX	SS-07-05X000XX	11/20/2014	PAHs	8270D	1511L22
SS-07-06X000XX	SS-07-06X000XX	11/20/2014	PAHs	8270D	1511L22
SS-07-07X000XX	SS-07-07X000XX	11/20/2014	PAHs	8270D	1511L22
SS-07-08X000XX	SS-07-08X000XX	11/20/2014	PAHs	8270D	1511L22
Sediment Samples					
SD-09-01X000XX	SD-09-01X000XX	11/4/2014	VOCs	8260B	1411267
SD-09-02X000XX	SD-09-02X000XX	11/4/2014	VOCs	8260B	1411267
SD-09-03X000XX	SD-09-03X000XX [a]	11/4/2014	VOCs	8260B	1411267
SD-09-03X000MS	SD-09-03X000MS	11/4/2014	VOCs	8260B	1411267
SD-09-03X000MD	SD-09-03X000MD	11/4/2014	VOCs	8260B	1411267
SD-09-04X000XX	SD-09-04X000XX	11/4/2014	VOCs	8260B	1411267
SD-09-05X000XX	SD-09-05X000XX	11/4/2014	VOCs	8260B	1411267
SD-09-06X000XX	SD-09-06X000XX	11/4/2014	VOCs	8260B	1411267
SD-09-07X000XX	SD-09-07X000XX [a]	11/4/2014	VOCs	8260B	1411267
SD-09-08X000XX	SD-09-08X000XX	11/4/2014	VOCs	8260B	1411267
SD-09-09X000XX	SD-09-09X000XX	11/4/2014	VOCs	8260B	1411267
Ground Water Samples					
MW-02-24X000XX*	MW-02-24X000XX [a]	1/28/2015	VOCs	8260B	1501P17
	MW-02-24X000XX	1/28/2015	Metals/Mercury	6010C/7470A	1501P17
MW-03-20X000XX	MW-03-20X000XX	1/27/2015	VOCs	8260B	1501P17
	MW-03-20X000XX	1/27/2015	SVOCs	8270D	1501P17
	MW-03-20X000XX	1/27/2015	Metals/Mercury	6010C/7470A	1501P17
MW-03-21X000XX	MW-03-20X000XX	1/27/2015	Metals/Mercury	6010C/7470A	1501P17
MW-04-22X000XX	MW-04-22X000XX	1/29/2015	Metals/Mercury	6010C/7470A	1501P17
MW-04-23X000XX	MW-04-23X000XX [c]	1/28/2015	Metals/Mercury	6010C/7470A	1501P17
MW-04-23X000XD	MW-04-23X000XD	1/28/2015	Metals/Mercury	6010C/7470A	1501P17
MW-04-23X000MS	MW-04-23X000MS	1/28/2015	Metals/Mercury	6010C/7470A	1501P17
MW-04-23X000MD	MW-04-23X000MD	1/28/2015	Metals/Mercury	6010C/7470A	1501P17
MW-08-01X000XX	MW-08-01X000XX	1/27/2015	VOCs	8260B	1501P17
	MW-08-01X000XX	1/27/2015	SVOCs	8270D	1501P17
	MW-08-01X000XX	1/27/2015	TPH-DRO	8015C	1501P17
MW-08-02D000XX	MW-08-02D000XX	1/27/2015	VOCs	8260B	1501P17
	MW-08-02D000XX	1/27/2015	SVOCs	8270D	1501P17
	MW-08-02D000XX	1/27/2015	TPH-DRO	8015C	1501P17
MW-08-03X000XX	MW-08-03X000XX	1/27/2015	VOCs	8260B	1501P17
	MW-08-03X000XX	1/27/2015	SVOCs	8270D	1501P17
	MW-08-03X000XX	1/27/2015	TPH-DRO	8015C	1501P17

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REMEDIAL INVESTIATION SAMPLES
RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

Boring	Sample ID	Date	Parameters	Methods	SDG
MW-08-03X000XD	MW-08-03X000XD	1/27/2015	VOCs	8260B	1501P17
	MW-08-03X000XD	1/27/2015	SVOCs	8270D	1501P17
	MW-08-03X000XD	1/27/2015	TPH-DRO	8015C	1501P17
MW-08-04X000XX	MW-08-04X000XX [(a)]	1/27/2015	VOCs	8260B	1501P17
	MW-08-04X000XX [(b)]	1/27/2015	SVOCs	8270D	1501P17
	MW-08-04X000XX [(d)]	1/27/2015	TPH-DRO	8015C	1501P17
MW-08-04X000MS	MW-08-04X000MS	1/27/2015	VOCs	8260B	1501P17
	MW-08-04X000MS	1/27/2015	SVOCs	8270D	1501P17
	MW-08-04X000MS	1/27/2015	TPH-DRO	8015C	1501P17
MW-08-04X000MD	MW-08-04X000MD	1/27/2015	VOCs	8260B	1501P17
	MW-08-04X000MD	1/27/2015	SVOCs	8270D	1501P17
	MW-08-04X000MD	1/27/2015	TPH-DRO	8015C	1501P17
MW-08-05X000XX	MW-08-05X000XX	1/29/2015	VOCs	8260B	1501P17
	MW-08-05X000XX	1/29/2015	SVOCs	8270D	1501P17
	MW-08-05X000XX	1/29/2015	TPH-DRO	8015C	1501P17
MW-09-06X000XX	MW-09-06X000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-07X000XX	MW-09-07X000XX	7/17/2015	VOCs	8260B	1507G75
MW-09-08X000XX	MW-09-08X000XX	7/17/2015	VOCs	8260B	1507G75
MW-09-09X000XX	MW-09-09X000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-10X000XX	MW-09-10X000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-11X000XX	MW-09-11X000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-11X000XD	MW-09-11X000XD	1/28/2015	VOCs	8260B	1501P17
MW-09-12D000XX	MW-09-12D000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-13X000XX	MW-09-13X000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-14X000XX	MW-09-14X000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-15X000XX	MW-09-15X000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-16D000XX	MW-09-16D000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-17X000XX	MW-09-17X000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-18D000XX	MW-09-18D000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-19D000XX	MW-09-19D000XX	1/28/2015	VOCs	8260B	1501P17
MW-09-25X000XX	MW-09-25X000XX	7/17/2015	VOCs	8260B	1507G75
Pore Water Samples					
PW-09-01X000XX	PW-09-01X000XX	11/5/2014	VOCs	8260B	1411594
PW-09-03X000XX	PW-09-03X000XX	11/5/2014	VOCs	8260B	1411594
PW-09-08X000XX	PW-09-08X000XX	11/5/2014	VOCs	8260B	1411594
PW-09-09X000XX	PW-09-09X000XX	11/5/2014	VOCs	8260B	1411594
PW-09-10X000XX	PW-09-10X000XX	11/5/2014	VOCs	8260B	1411594
PW-09-12X000XX	PW-09-12X000XX	11/5/2014	VOCs	8260B	1411594
PW-09-14X000XX	PW-09-14X000XX [(a)]	11/5/2014	VOCs	8260B	1411594
PW-09-14X000XD	PW-09-14X000XD [(f)]	11/5/2014	VOCs	8260B	1411594
Surface Water Samples					
SW-09-03X000XX	SW-09-03X000XX [(a)]	11/5/2014	VOCs	8260B	1411594
SW-09-04X000XX	SW-09-04X000XX	11/5/2014	VOCs	8260B	1411594
SW-09-05X000XX	SW-09-05X000XX	11/5/2014	VOCs	8260B	1411594
SW-09-06X000XX	SW-09-06X000XX	11/5/2014	VOCs	8260B	1411594
SW-09-07X000XX	SW-09-07X000XX	11/5/2014	VOCs	8260B	1411594
SW-09-08X000XX	SW-09-08X000XX	11/5/2014	VOCs	8260B	1411594
SW-09-10X000XX	SW-09-10X000XX	11/5/2014	VOCs	8260B	1411594
SW-09-12X000XX	SW-09-12X000XX	11/5/2014	VOCs	8260B	1411594
SW-09-13X000XX	SW-09-13X000XX	11/5/2014	VOCs	8260B	1411594
SW-09-13X000MS	SW-09-13X000MS	11/5/2014	VOCs	8260B	1411594
SW-09-13X000MD	SW-09-13X000MD [(f)]	11/5/2014	VOCs	8260B	1411594

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL PARAMETERS
DATA VALIDATION REPORT
REMEDIAL INVESTIATION SAMPLES
RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

Boring	Sample ID	Date	Parameters	Methods	SDG
QUALITY CONTROL SAMPLES					
--	TB-01	7/17/2015	VOCs	8260B	1507G75
--	TB-01-01	7/7/2015	VOCs	8260B	1507504
--	TB-02-01	7/7/2015	VOCs	8260B	1507504
--	TB-03-01	7/7/2015	VOCs	8260B	1507504
--	TB-00-001	11/3/2014	VOCs	8260B	1411153
--	TB-00-001	1/29/2015	VOCs	8260B	1501P17
--	TB-00-002	11/3/2014	VOCs	8260B	1411153
--	TB-00-003	11/4/2014	VOCs	8260B	1411267
--	TB-00-004	11/5/2014	VOCs	8260B	1411594
--	RB-01-01	7/7/2015	VOCs	8260B	1507504
--	RB-01-01	7/7/2015	SVOCs	8270D	1507504
--	RB-00-001 [a]	11/3/2014	VOCs	8260B	1411153
--	RB-00-001	11/3/2014	SVOCs	8270D	1411153
--	RB-00-002	11/4/2014	PAHs	8270D	1411267
--	RB-00-003	11/4/2014	VOCs	8260B	1411267
--	RB-00-003	11/5/2014	VOCs	8260B	1411594
--	FB-01	7/17/2015	VOCs	8260B	1507G75
--	FB-01-01	7/7/2015	VOCs	8260B	1507504
--	FB-01-01 [b]	7/7/2015	SVOCs	8270D	1507504
--	FB-00-001	11/3/2014	VOCs	8260B	1411153
--	FB-00-001	11/3/2014	SVOCs	8270D	1411153
--	FB-00-001	1/27/2015	VOCs	8260B	1501P17
--	8FB-00-001	11/20/2015	SVOCs	8270D	1511L22
--	FB-00-002	11/4/2014	VOCs	8260B	1411267
--	FB-00-002	1/28/2015	VOCs	8260B	1501P17
--	FB-00-003	11/5/2014	VOCs	8260B	1411594
--	FB-00-003	1/28/2015	VOCs	8260B	1501P17

Notes:

* This sample was identified as MW-04-24X000XX on the chain of custody and laboratory report.

[a] This sample was selected for matrix spike/matrix spike duplicate (MS/MSD) analyses (VOCs).

[b] This sample was selected for matrix spike/matrix spike duplicate (MS/MSD) analyses (SVOCs).

[c] This sample was selected for matrix spike/matrix spike duplicate (MS/MSD) analyses (Metals).

[d] This sample was selected for matrix spike/matrix spike duplicate (MS/MSD) analyses (TPH-DRO).

[e] This sample, collected at 1330 and laboratory sample "1411153-029", was originally listed as sample "SB-08-03X008XX" on the chain-of custody and by the laboratory. The true sample ID is "SB-08-05X008XX" .

[f] This sample was not analyzed.

Samples were analyzed by Analytical Environmental Services, Inc. (AES) laboratory located in Atlanta, Georgia.

PAHs = Polyaromatic Hydrocarbons (18 SVOCs).

SDG = Sample Delivery Group

SVOCs = Semi-Volatile Organic Compounds

TPH-DRO = Total Petroleum Hydrocarbon - Diesel Range Organics

VOCs = Volatile Organic Compounds

Prepared by/Date: LWC 1-4-16

Checked by/Date: DLH 1-5-16

TABLE 2
VALIDATION QUALIFIER SUMMARY
REMEDIAL INVESTIGATION
RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

MATRIX	SAMPLE ID	SAMPLE DATE	SDG_ID	METHOD	PARAMETER	UNITS	LAB RESULT	LAB QUALIFIER	VALIDATION RESULT	VALIDATION QUALIFIER	REASON CODE
W	MW-02-24X000XX*	1/28/2015	1501P17	6010C	Chromium	mg/L	0.0009	J	0.0100	U	BL1
W	MW-02-24X000XX*	1/28/2015	1501P17	6010C	Selenium	mg/L	0.0025	U	0.0025	UL	ICSAB-L
W	MW-03-20X000XX	1/27/2015	1501P17	8270D	Hexachlorobutadiene	mg/L	1.5	U	1.5	UJ	LCS-L
W	MW-03-20X000XX	1/27/2015	1501P17	6010C	Chromium	mg/L	0.0023	J	0.0023	J	
W	MW-03-20X000XX	1/27/2015	1501P17	6010C	Selenium	mg/L	0.0025	U	0.0025	UL	ICSAB-L
W	MW-03-21X000XX	1/27/2015	1501P17	6010C	Chromium	mg/L	0.0009	J	0.01	U	BL1
W	MW-03-21X000XX	1/27/2015	1501P17	6010C	Selenium	mg/L	0.0025	U	0.0025	UL	ICSAB-L
W	MW-03-22X000XX	1/29/2015	1501P17	6010C	Selenium	mg/L	0.0025	U	0.0025	UL	ICSAB-L
W	MW-04-22X000XX	1/29/2015	1501P17	6010C	Chromium	mg/L	0.0010	J	0.0100	U	BL1
W	MW-04-23X000XD	1/28/2015	1501P17	6010C	Arsenic	mg/L	0.0040	J	0.0500	U	BL1
W	MW-04-23X000XD	1/28/2015	1501P17	6010C	Chromium	mg/L	0.0010	J	0.0100	U	BL1
W	MW-04-23X000XD	1/28/2015	1501P17	6010C	Selenium	mg/L	0.0025	U	0.0025	UL	ICSAB-L
W	MW-04-23X000XX/MS/MD	1/28/2015	1501P17	6010C	Arsenic	mg/L	0.0114	J	0.05	U	BL1
W	MW-04-23X000XX/MS/MD	1/28/2015	1501P17	6010C	Chromium	mg/L	0.0011	J	0.0011	UJ	BL1
W	MW-04-23X000XX/MS/MD	1/28/2015	1501P17	6010C	Selenium	mg/L	0.0025	U	0.0025	UL	ICSAB-L
W	MW-08-01X000XX	1/27/2015	1501P17	8270D	Hexachlorobutadiene	mg/L	1.5	U	1.5	UJ	LCS-L
W	MW-08-02D000XX	1/27/2015	1501P17	8270D	Hexachlorobutadiene	mg/L	1.5	U	1.5	UJ	LCS-L
W	MW-08-03X000XD	1/27/2015	1501P17	8270D	Hexachlorobutadiene	mg/L	1.5	U	1.5	UJ	LCS-L
W	MW-08-03X000XX	1/27/2015	1501P17	8270D	Hexachlorobutadiene	mg/L	1.5	U	1.5	UJ	LCS-L
W	MW-08-04X000XX/MS/MD	1/27/2015	1501P17	8270D	2-Chlorophenol	mg/L	2.1	U	2.1	UJ	MS-L
W	MW-08-04X000XX/MS/MD	1/27/2015	1501P17	8270D	Hexachlorobutadiene	mg/L	1.5	U	1.5	UJ	LCS-L
W	MW-08-05X000XX	1/29/2015	1501P17	8260	Methylene Chloride	µg/L	1.6	J	5.0	U	BL1
W	MW-08-05X000XX	1/29/2015	1501P17	8270D	Hexachlorobutadiene	mg/L	1.5	U	1.5	UJ	LCS-L
W	MW-09-13X000XX	1/28/2015	1501P17	8260	Methylene Chloride	µg/L	1.0	J	5.0	U	BL1
W	MW-09-16D000XX	1/28/2015	1501P17	8260	Methylene Chloride	µg/L	1.2	J	5.0	U	BL1
W	MW-09-17X000XX	1/28/2015	1501P17	8260	Methylene Chloride	µg/L	1.2	J	5.0	U	BL1
S	SB-06-01X002XX	11/3/2014	1411153	8270D	Di-n-butyl phthalate	µg/kg	0.045	J	0.410	U	BL1
S	SB-06-02X002XX	11/3/2014	1411153	8270D	Di-n-butyl phthalate	µg/kg	0.046	J	0.400	U	BL1
S	SB-08-03X008XX	11/3/2014	1411153	8270D	Di-n-butyl phthalate	µg/kg	0.051	J	0.390	U	BL1
S	SB-09-01X000XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.5	U	5.4	UJ	IS-L
S	SB-09-01X000XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.7	U	5.4	UJ	IS-L
S	SB-09-01X000XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	2.0	U	5.4	UJ	IS-L
S	SB-09-01X000XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	2.1	U	5.4	UJ	IS-L
S	SB-09-01X000XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.89	U	5.4	UJ	IS-L
S	SB-09-01X000XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.98	U	5.4	UJ	IS-L
S	SB-09-01X000XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.87	U	5.4	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	1,1,1-Trichloroethane	µg/kg	0.77	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.0	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	1,1-Dichloroethane	µg/kg	0.94	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	1,1-Dichloroethene	µg/kg	0.82	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.2	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.3	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.4	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.60	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.66	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	2-Butanone	µg/kg	4.0	U	36	UJ	IS-L

TABLE 2
VALIDATION QUALIFIER SUMMARY
REMEDIAL INVESTIGATION
RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

MATRIX	SAMPLE ID	SAMPLE DATE	SDG_ID	METHOD	PARAMETER	UNITS	LAB RESULT	LAB QUALIFIER	VALIDATION RESULT	VALIDATION QUALIFIER	REASON CODE
S	SB-09-01X005XX	7/7/2015	1507504	8260	Acetone	µg/kg	5.5	U	73	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Bromomethane	µg/kg	1.2	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Carbon Disulfide	µg/kg	1.5	U	7.3	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Chloroethane	µg/kg	1.3	U	7.3	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Chloroform	µg/kg	0.72	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Chloromethane	µg/kg	0.88	U	7.3	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	cis-1,2-Dichloroethene	µg/kg	1.0	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Cyclohexane	µg/kg	1.3	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Dichlorodifluoromethane	µg/kg	0.74	U	7.3	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Freon-113	µg/kg	0.80	U	7.3	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.58	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Methyl acetate	µg/kg	2.2	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Methyl tert-butyl ether	µg/kg	0.98	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	16		16	J	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	trans-1,2-Dichloroethene	µg/kg	1.4	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Trichlorofluoromethane	µg/kg	0.78	U	3.6	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8260	Vinyl chloride	µg/kg	1.3	U	7.3	UJ	IS-L
S	SB-09-01X005XX	7/7/2015	1507504	8270D	Benzo(a)pyrene	µg/kg	370	U	370	UJ	MS-L
S	SB-09-01X005XX	7/7/2015	1507504	8270D	Di-n-octyl Phthalate	µg/kg	370	U	370	UJ	MS-L
S	SB-09-01X005XX	7/7/2015	1507504	8270D	Fluoranthene	µg/kg	370	U	370	UJ	MS-L
S	SB-09-01X010XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	0.99	U	3.6	UJ	IS-L
S	SB-09-01X010XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.1	U	3.6	UJ	IS-L
S	SB-09-01X010XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.3	U	3.6	UJ	IS-L
S	SB-09-01X010XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.4	U	3.6	UJ	IS-L
S	SB-09-01X010XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.59	U	3.6	UJ	IS-L
S	SB-09-01X010XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.65	U	3.6	UJ	IS-L
S	SB-09-01X010XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.57	U	3.6	UJ	IS-L
S	SB-09-02X000XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	0.93	U	3.4	UJ	IS-L
S	SB-09-02X000XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.1	U	3.4	UJ	IS-L
S	SB-09-02X000XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.2	U	3.4	UJ	IS-L
S	SB-09-02X000XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.3	U	3.4	UJ	IS-L
S	SB-09-02X000XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.55	U	3.4	UJ	IS-L
S	SB-09-02X000XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.61	U	3.4	UJ	IS-L
S	SB-09-02X000XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.54	U	3.4	UJ	IS-L
S	SB-09-02X005XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.3	U	4.6	UJ	IS-L
S	SB-09-02X005XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.5	U	4.6	UJ	IS-L
S	SB-09-02X005XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.7	U	4.6	UJ	IS-L
S	SB-09-02X005XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.8	U	4.6	UJ	IS-L
S	SB-09-02X005XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.75	U	4.6	UJ	IS-L
S	SB-09-02X005XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.83	U	4.6	UJ	IS-L
S	SB-09-02X005XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.74	U	4.6	UJ	IS-L
S	SB-09-02X005XD	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.2	U	4.2	UJ	IS-L
S	SB-09-02X005XD	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.3	U	4.2	UJ	IS-L
S	SB-09-02X005XD	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.5	U	4.2	UJ	IS-L
S	SB-09-02X005XD	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.6	U	4.2	UJ	IS-L
S	SB-09-02X005XD	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.68	U	4.2	UJ	IS-L
S	SB-09-02X005XD	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.75	U	4.2	UJ	IS-L
S	SB-09-02X005XD	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.67	U	4.2	UJ	IS-L

TABLE 2
VALIDATION QUALIFIER SUMMARY
REMEDIAL INVESTIGATION
RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

MATRIX	SAMPLE ID	SAMPLE DATE	SDG_ID	METHOD	PARAMETER	UNITS	LAB RESULT	LAB QUALIFIER	VALIDATION RESULT	VALIDATION QUALIFIER	REASON CODE
S	SB-09-02X010XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.2	U	4.2	UJ	IS-L
S	SB-09-02X010XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.3	U	4.2	UJ	IS-L
S	SB-09-02X010XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.5	U	4.2	UJ	IS-L
S	SB-09-02X010XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.6	U	4.2	UJ	IS-L
S	SB-09-02X010XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.68	U	4.2	UJ	IS-L
S	SB-09-02X010XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.75	U	4.2	UJ	IS-L
S	SB-09-02X010XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.67	U	4.2	UJ	IS-L
S	SB-09-02X015XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.3	U	4.5	UJ	IS-L
S	SB-09-02X015XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.5	U	4.5	UJ	IS-L
S	SB-09-02X015XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.7	U	4.5	UJ	IS-L
S	SB-09-02X015XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.8	U	4.5	UJ	IS-L
S	SB-09-02X015XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.74	U	4.5	UJ	IS-L
S	SB-09-02X015XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.82	U	4.5	UJ	IS-L
S	SB-09-02X015XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.73	U	4.5	UJ	IS-L
S	SB-09-02X020XX	7/7/2015	1507504	8260	1,1,1-Trichloroethane	µg/kg	0.73	U	3.4	UJ	MS-L
S	SB-09-02X020XX	7/7/2015	1507504	8260	1,2-Dichloroethane	µg/kg	0.44	U	3.4	UJ	MS-L
S	SB-09-02X020XX	7/7/2015	1507504	8260	Bromodichloromethane	µg/kg	0.51	U	3.4	UJ	MS-L
S	SB-09-02X020XX	7/7/2015	1507504	8260	Chloroform	µg/kg	0.68	U	3.4	UJ	MS-L
S	SB-09-02X020XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	23		23	U	BL1
S	SB-09-03X000XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	17		17	U	BL1
S	SB-09-03X005XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	40		40	U	BL1
S	SB-09-03X010MD	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	18		18	U	BL1
S	SB-09-03X010MS	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	23		23	U	BL1
S	SB-09-03X010XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	22		22	U	BL1
S	SB-09-03X015XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	15		15	U	BL1
S	SB-09-04X000XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	17		17	U	BL1
S	SB-09-04X005XD	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	13		13	U	BL1
S	SB-09-04X005XD	7/7/2015	1507504	8260	Tetrachloroethene	µg/kg	100		100	J	FD
S	SB-09-04X005XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	16		16	U	BL1
S	SB-09-04X005XX	7/7/2015	1507504	8260	Tetrachloroethene	µg/kg	5.6		5.6	J	FD
S	SB-09-04X010XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	17		17	U	BL1
S	SB-09-04X015XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.0	U	3.7	UJ	IS-L
S	SB-09-04X015XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.2	U	3.7	UJ	IS-L
S	SB-09-04X015XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.3	U	3.7	UJ	IS-L
S	SB-09-04X015XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.4	U	3.7	UJ	IS-L
S	SB-09-04X015XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.60	U	3.7	UJ	IS-L
S	SB-09-04X015XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.67	U	3.7	UJ	IS-L
S	SB-09-04X015XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.59	U	3.7	UJ	IS-L
S	SB-09-04X015XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	16		16	U	BL1
S	SB-09-04X020XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	11	J	18	U	BL1
S	SB-09-05X000XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	20		20	U	BL1
S	SB-09-05X000XX	7/7/2015	1507504	8260	Tetrachloroethene	µg/kg	210	E	210	J	CAL
S	SB-09-05X005XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	29		29	U	BL1
S	SB-09-05X010XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.2	U	4.2	UJ	IS-L
S	SB-09-05X010XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.4	U	4.2	UJ	IS-L
S	SB-09-05X010XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.5	U	4.2	UJ	IS-L
S	SB-09-05X010XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.7	U	4.2	UJ	IS-L
S	SB-09-05X010XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.69	U	4.2	UJ	IS-L

TABLE 2
VALIDATION QUALIFIER SUMMARY
REMEDIAL INVESTIGATION
RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

MATRIX	SAMPLE ID	SAMPLE DATE	SDG_ID	METHOD	PARAMETER	UNITS	LAB RESULT	LAB QUALIFIER	VALIDATION RESULT	VALIDATION QUALIFIER	REASON CODE
S	SB-09-05X010XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.76	U	4.2	UJ	IS-L
S	SB-09-05X010XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.68	U	4.2	UJ	IS-L
S	SB-09-05X010XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	28		28	U	BL1
S	SB-09-05X015XD	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.0	U	3.8	UJ	IS-L
S	SB-09-05X015XD	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.2	U	3.8	UJ	IS-L
S	SB-09-05X015XD	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.4	U	3.8	UJ	IS-L
S	SB-09-05X015XD	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.5	U	3.8	UJ	IS-L
S	SB-09-05X015XD	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.62	U	3.8	UJ	IS-L
S	SB-09-05X015XD	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.68	U	3.8	UJ	IS-L
S	SB-09-05X015XD	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.61	U	3.8	UJ	IS-L
S	SB-09-05X015XD	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	43		43	UJ	BL1, FD
S	SB-09-05X015XD	7/7/2015	1507504	8260	Tetrachloroethene	µg/kg	36		36	J	FD
S	SB-09-05X015XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	0.92	U	3.3	UJ	IS-L
S	SB-09-05X015XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.1	U	3.3	UJ	IS-L
S	SB-09-05X015XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.2	U	3.3	UJ	IS-L
S	SB-09-05X015XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.3	U	3.3	UJ	IS-L
S	SB-09-05X015XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.54	U	3.3	UJ	IS-L
S	SB-09-05X015XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.60	U	3.3	UJ	IS-L
S	SB-09-05X015XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.53	U	3.3	UJ	IS-L
S	SB-09-05X015XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	20		20	UJ	BL1, FD
S	SB-09-05X015XX	7/7/2015	1507504	8260	Tetrachloroethene	µg/kg	14		14	J	FD
S	SB-09-06X000XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	18		18	U	BL1
S	SB-09-06X005XX	7/7/2015	1507504	8260	1,1,1-Trichloroethane	µg/kg	0.93	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.2	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	1,1-Dichloroethane	µg/kg	1.1	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	1,1-Dichloroethene	µg/kg	1.0	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.4	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.6	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.7	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.72	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.79	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	2-Butanone	µg/kg	4.9	U	44	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Acetone	µg/kg	6.6	U	88	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Bromomethane	µg/kg	1.4	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Carbon Disulfide	µg/kg	1.8	U	8.8	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Chloroethane	µg/kg	1.5	U	8.8	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Chloroform	µg/kg	0.87	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Chloromethane	µg/kg	1.1	U	8.8	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	cis-1,2-Dichloroethene	µg/kg	1.2	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Cyclohexane	µg/kg	1.6	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Dichlorodifluoromethane	µg/kg	8.8	U	8.8	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Freon-113	µg/kg	0.97	U	8.8	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.71	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Methyl Acetate	µg/kg	2.7	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Methyl tert-butyl ether	µg/kg	1.2	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Methylene Chloride	µg/kg	19		19	UJ	BL1, IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	trans-1,2-Dichloroethene	µg/kg	1.7	U	4.4	UJ	IS-L
S	SB-09-06X005XX	7/7/2015	1507504	8260	Trichlorofluoromethane	µg/kg	0.94	U	4.4	UJ	IS-L

TABLE 2
VALIDATION QUALIFIER SUMMARY
REMEDIAL INVESTIGATION
RBTC-FOUNTAIN INN FACILITY
SOUTH CAROLINA

MATRIX	SAMPLE ID	SAMPLE DATE	SDG_ID	METHOD	PARAMETER	UNITS	LAB RESULT	LAB QUALIFIER	VALIDATION RESULT	VALIDATION QUALIFIER	REASON CODE
S	SB-09-06X005XX	7/7/2015	1507504	8260	Vinyl chloride	µg/kg	1.6	U	8.8	UJ	IS-L
S	SB-09-06X015XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.2	U	4.3	UJ	IS-L
S	SB-09-06X015XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.4	U	4.3	UJ	IS-L
S	SB-09-06X015XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.6	U	4.3	UJ	IS-L
S	SB-09-06X015XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.7	U	4.3	UJ	IS-L
S	SB-09-06X015XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.70	U	4.3	UJ	IS-L
S	SB-09-06X015XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.77	U	4.3	UJ	IS-L
S	SB-09-06X015XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.68	U	4.3	UJ	IS-L
S	SB-09-06X020XX	7/7/2015	1507504	8260	1,1,2,2-Tetrachloroethene	µg/kg	1.1	U	3.9	UJ	IS-L
S	SB-09-06X020XX	7/7/2015	1507504	8260	1,2,4-Trichlorobenzene	µg/kg	1.3	U	3.9	UJ	IS-L
S	SB-09-06X020XX	7/7/2015	1507504	8260	1,2-Dibromo-3-chloropropane	µg/kg	1.4	U	3.9	UJ	IS-L
S	SB-09-06X020XX	7/7/2015	1507504	8260	1,2-Dichloropropane	µg/kg	1.5	U	3.9	UJ	IS-L
S	SB-09-06X020XX	7/7/2015	1507504	8260	1,3-Dichlorobenzene	µg/kg	0.64	U	3.9	UJ	IS-L
S	SB-09-06X020XX	7/7/2015	1507504	8260	1,4-Dichlorobenzene	µg/kg	0.71	U	3.9	UJ	IS-L
S	SB-09-06X020XX	7/7/2015	1507504	8260	Isopropylbenzene	µg/kg	0.63	U	3.9	UJ	IS-L
S	SD-09-03X000XX	11/4/2014	1411267	8260	1,2,4-Trichlorobenzene	µg/kg	0.63	U	0.63	UJ	MS-RPD
S	SD-09-03X000XX	11/4/2014	1411267	8260	Methylene Chloride	µg/kg	0.48	U	0.48	UJ	MS-L
S	SD-09-03X000XX	11/4/2014	1411267	8260	Vinyl Chloride	µg/kg	0.67	U	0.67	UJ	MS-L
W	FB-00-001	11/3/2014	1411153	8270D	Hexachlorobutadiene	ug/L	1.5	U	1.5	UJ	LCS-L
S	FB-01-01	7/7/2015	1507504	8270D	2,4-Dimethylphenol	µg/L	1.2	U	1.2	UJ	MS-RPD
S	FB-01-01	7/7/2015	1507504	8270D	2-Chlorophenol	µg/L	1.4	U	1.4	UJ	MS-L
S	FB-01-01	7/7/2015	1507504	8270D	Hexachlorobutadiene	µg/L	1.3	U	1.3	UJ	MS-L, LCS-L
W	RB-00-001	11/3/2014	1411153	8270D	Hexachlorobutadiene	ug/L	1.5	U	1.5	UJ	LCS-L
W	RB-01-01	7/7/2015	1507504	8270D	Hexachlorobutadiene	µg/L	1.3	U	1.3	UJ	LCS-L
W	TB-00-001	1/29/2015	1501P17	8260	Methylene Chloride	µg/L	2.6	J	5.0	U	BL1

Notes:

Prepared by / Date: LWC 8/5/2015
Checked by / Date: DLH 10/6/2015

* This sample was identified as MW-04-24X000XX on the chain of custody and laboratory reports.
Laboratory qualifiers that *did not change* as a result of the data validation are not shown on this table.
BL1 - Concentration in sample less than 5 times (10 times for common contaminants) concentration in method blank sample.
CAL-Compound concentration reported as an estimated value due to concentration above linear calibration range.
IS-L - Internal standard percent recovery outside control limits biased low due to suspected matrix interference.
FD - Field Duplicate limit exceeded.
ICSAB-L - Concentration in sample is considered estimated possibly biased low due to low recovery of Interference Check Standard.
J - value is estimated
LCS-L - Concentration in sample is considered estimated possibly biased low due to low Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) recoveries.
MS-L - Concentration in sample is considered estimated possibly biased low due to low Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery.
MS-RPD - Concentration in sample is considered estimated due to MS/MSD Relative Percent Difference outside limits.
S - Soil
U - not detected, value is the detection limit
W - Water
µg/kg- microgram per kilogram
µg/L - microgram per liter

Relative Percent Difference (RPD) on Soil Field Duplicate Samples - Remedial Investigation
Former Vermont Bosch Site Fountain Inn, Souh Carolina
AMEC Foster Wheeler Project 6251121007.03.01

Constituents	Units	SB-08-03X008XX 11/3/2014	SB-08-03X008XD 11/3/2014	RPD	SS-07-01X000XX 11/4/2014	SS-07-01X000XD 11/4/2014	RPD	SB-09-02X005XX 7/7/2015	SB-09-02X005XD 7/7/2015	RPD	SB-09-04X005XX 7/7/2015	SB-09-04X005XD 7/7/2015	RPD	SB-09-05X015XX 7/7/2015	SB-09-05X015XD 7/7/2015	RPD
Methylene Chloride	µg/kg	0.0073 J	0.018 J	--	NA	NA	--	25	21	17.4	16	13	20.7	20	43	73.0
Tetrachloroethene	µg/kg	ND	ND	--	NA	NA	--	11	8.8	22.2	5.6	100	179	14	36	88.0
Benzo(b)fluoranthene	µg/kg	ND	ND	--	40 J	87 J	--	ND	ND	--	ND	ND	--	ND	ND	--
Benzo(g,h,i)perylene	µg/kg	ND	ND	--	ND	58 J	--	ND	ND	--	ND	ND	--	ND	ND	--
Benzo(a)pyrene	µg/kg	ND	ND	--	ND	45 J	--	ND	ND	--	ND	ND	--	ND	ND	--
Chrysene	µg/kg	ND	ND	--	ND	65 J	--	ND	ND	--	ND	ND	--	ND	ND	--
Diethyl phthalate	µg/kg	0.051 J	0.049 J	--	NA	NA	--	ND	ND	--	ND	ND	--	ND	ND	--
Fluoranthene	µg/kg	ND	ND	--	47 J	100 J	--	ND	ND	--	ND	ND	--	ND	ND	--
Indeno(1,2,3-cd)pyrene	µg/kg	ND	ND	--	ND	42 J	--	ND	ND	--	ND	ND	--	ND	ND	--
Pyrene	µg/kg	ND	ND	--	ND	77 J	--	ND	ND	--	ND	ND	--	ND	ND	--

Notes:
J = Value estimated, less than the reporting limit
ND = Constituent not detected in both samples.
NA = Constituent not Analyzed for.

Prepared By/Date: L. Clem 8/4/2015
Checked By/Date: D. Howard 8/18/15

Relative Percent Differenc (RPD) on Groundwater Field Duplicate Samples - Remedial Investigation
Former Vermont Bosch Site Fountain Inn, Souh Carolina
AMEC Foster Wheeler Project 6251121007.03.01

Constituents	Units	MW-04-23X000XX 1/28/2015	MW-04-23X000XD 1/28/2015	RPD	MW-08-03X000XX 1/27/2015	MW-08-03X000XD 1/27/2015	RPD	MW-09-11X000XX 1/28/2015	MW-09-11X000XD 1/28/2015	RPD	SW-09-13X000XX 11/5/2014	SW-09-13X000XD 11/5/2014	RPD
Isopropylbenzene	µg/L	NA	NA	--	0.39 J	0.40 J	--	ND	ND	--	ND	ND	--
Tetrachloroethene	µg/L	NA	NA	--	ND	ND	--	54	53	1.9	ND	ND	--
Arsenic, total	mg/L	0.0114 J	0.004 J	--	NA	NA	--	NA	NA	--	NA	NA	--
Barium, total	mg/L	0.0646	0.0648	0.31	NA	NA	--	NA	NA	--	NA	NA	--
Cadmium, total	mg/L	0.0003	0.0003	--	NA	NA	--	NA	NA	--	NA	NA	--
Chromium, total	mg/L	0.0011 J	0.001 J	--	NA	NA	--	NA	NA	--	NA	NA	--
Lead, total	mg/L	ND	ND	--	NA	NA	--	NA	NA	--	NA	NA	--
Mercury, total	mg/L	0.00016 J	ND	--	NA	NA	--	NA	NA	--	NA	NA	--
Selenium, total	mg/L	ND	ND	--	NA	NA	--	NA	NA	--	NA	NA	--
Silver, total	mg/L	ND	ND	--	NA	NA	--	NA	NA	--	NA	NA	--
Diesel Range Organics	mg/L	NA	NA	--	0.21	0.19 J	--	NA	NA	--	NA	NA	--

Notes:
J = Value estimated, less than the reporting limit
ND = Constituent not detected in both samples.
NA = Constituent not Analyzed for.

Prepared By/Date: L. Clem 6/23/2015
Checked By/Date: D. Howard 7/24/2015

DATA VALIDATION RECORD

Method SW8260B for VOCs
Project Name and No: RBTC Fountain Inn; 6251121007.03.01
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1411153
Data Validation Level: II (10% of samples Level III)
Date: 6/23/2015, 7/22/15
Reviewer: L. Clem Senior Reviewer: D. Howard
Samples Reviewed: SB-04-01X002XX, SB-04-02X002XX, SB-04-03X002XX, SB-06-01X001XX, SB-06-01X002XX, SB-06-01X002MD, SB-06-01X002MS, SB-06-02X001XX, SB-06-02X002XX, SB-08-01X008XX, SB-08-01X008XX, SB-08-01X010XX, SB-08-02X008XX, SB-08-02X010XX, SB-08-03X008XX, SB-08-03X008XX, SB-08-03X008XD, SB-08-03X010XX, SB-08-04X008XX, SB-08-04X010XX, SB-08-05X010XX, SB-08-06X008XX, SB-08-06X010XX, SB-08-07X008XX, SB-08-07X010XX, SB-08-08X008XX*, SB-08-08X010XX, FB-00-001, RB-00-001, TB-00-001, and TB-00-002.
*NOTE: Laboratory sample 1411153-029 (collected at 1330) was mistakenly identified as SB-08-08X008XX on the COC and laboratory reports. However, this sample was SB-08-05X008XX.

1. Case Narrative and COC review

Case Narrative (pg. 5 of data package) and COC (pgs. 3 - 5 of data package) present for all samples in this SDG.

2. Sample Collection, Preservation (Soil Preserved with Deionized (DI) Water/Methanol, Water Preserved with Hydrochloric (HCl) Acid; Cool to 4 ºC), Holding time (14 days)

Samples analyzed for VOCs soil preserved with DI water/methanol, water preserved with HCl; cooler temps 3.2ºC and 2.9 ºC per “Sample/Cooler Receipt Checklist” pg. 123 of Summary. Samples collected: 11/3/14; Samples Prepped and Analyzed: 11/6/14, 11/7/14, 11/11/14. Trip Blanks: Prepped and analyzed: 11/8/14.

3. Instrument Tuning

Pg. 465, 10/17/14, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed.
Pg. 838, 10/30/14, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed.

Pg. 459, 11/8/14, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg. 805, 11/5/14, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg. 812, 11/6/14, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg. 819, 11/6/14, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg. 825, 11/7/14, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg. 832, 11/10/14, Continuing Calibration Verification (CCV) with BFB tuning passed

4. Instrument Calibration

ICAL:
Pgs. 466-467, 10/20/14, Initial Instrument Calibration Response Factor report within range.

Pgs. 470-473, Instrument Calibration Curves, linear regression, okay.ICV:

Pgs. 839-840, Instrument Calibration Curves, linear regression, okay.ICV:
Pgs. 468-469 10/20/14, Initial Calibration Verification (ICV), Evaluate Continuing Calibration report, OK
Bromomethane, chloromethane, cyclohexane, and trans-1,4-dichloro-2-butene was determined by linear regression

CCVs:
Pg. 460-461, 11/8/14, CCV with BFB, chloroethane, trichlorofluoromethane, acetone and bromoform %Deviation (D) noted by lab as out of range, but are less than 15% (within QC range). No flags.

Pg. 806-807, 11/5/14, CCV with BFB, %Deviation (D) OK

Pg. 813-814, 11/6/14, CCV with BFB, %Deviation (D) OK
Pg. 820-821, 11/6/14, CCV with BFB, %Deviation (D) OK
Pg. 828-829, 11/7/14, CCV with BFB, %Deviation (D) OK
Pg. 833-834, 11/7/14, CCV with BFB, %Deviation (D) OK

5. QC Blanks

Method Blanks:

Pgs. 145-146, 11/5/14, MB-198787, All ND.

Pgs.152-153, 11/6/14, MB-198845, All ND.

Pgs. 167-168, 11/8/14, MB-198947, All ND.

Pgs.174-175, 11/10/14, MB-198980, All ND.

Field Blank

FB-00-001, pgs. 15-18, All ND.

Rinse Blank

RB-00-001, pgs. 11-14, All ND.

Trip Blank

TB-00-001, pgs. 7-8, All ND.
TB-00-002, pgs. 9-10, All ND.

6. Laboratory Control Sample (LCS) Results (Lab limits)

LCS-198787, pgs. 147-8

Compound	LCS%Rec	Flag	Reason Code
1,2,4-Trichlorobenzene	148	J positive	LCS-H
Tetrachloroethene	140	J positive	LCS-H

1,2,4-Trichlorobenzene and tetrachloroethene were not detected – no flags.

LCS-198845, pgs. 154-155, All within limits.

LCS-198947, pgs. 169-170, All within limits.

LCS-198980, pgs. 176-177

Compound	LCS%Rec	Flag	Reason Code
Tetrachloroethene	136	J positive	LCS-H

Tetrachloroethene was not detected – no flags.

6. Internal Standards (50 - 200 %)

Pgs. 462-463, 11/8/14, OK
Pgs. 808-809, 11/5/14, OK
Pgs. 815-816, 11/6/14, OK
Pgs. 822-823, 11/6/14, OK
Pgs. 828-829, 11/7/14, OK
Pgs. 835-836, 11/7/14, OK

7. Surrogate Recovery (70-128%)

All surrogates within lab limits.

8. Field Duplicate Precision (≤ 50 %)

SB-08-03X008XX/SB-08-03X008XD

Compound	Sample	Duplicate	RPD	Flag
Methylene Chloride	0.0073J	0.018J	NC	NA

*NOTE – RPDs are only applicable for detections above the RL.

9. Matrix Spike/Matrix spike Duplicate (MS/MSD) (lab limits / RPD ≤ 14.1-54.5 %)

1411153-006AMS/1411153-006AMSD, pgs. 148-151, project sample SB-08-03X008XD.

1411153-003AMS/1411153-003AMSD, pgs. 170-173, project sample RB-00-001.

Above MS/MSD were within QC limits.

1411153-010AMS/1411153-010AMSD, pgs. 155-158, project sample SB-08-06X008XX. The following VOCs were outside QC limits.

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
Methylene Chloride	59.9	60.5	0.819	J positive*	MS-L

*NOTE – The seventeen detections of methylene chloride in the associated site samples were already qualified as estimated and flagged "J" due to the concentrations being less than the reporting limit. No further data qualification was required.

1411267-013AMS/1411267-013AMSD, pgs. 177-180, project sample SD-09-07X000XX (from SDG 1411267). The following VOCs were outside QC limits.

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
1,2,4-Trichlorobenzene	148	139	6.67	none	not detected

10. Raw Calculations

Not required for Level II

11. Electronic Data Review

Ten percent of the EDD results for VOCs (samples SB-04-03X002XX, SB-08-05X008XX [laboratory sample 1411153-029, mistakenly identified as SB-08-08X008XX), SB-08-08X008XX] were compared to the laboratory data report to confirm accuracy of the EDD. The Client Sample ID for laboratory sample 1411153-029 (collected at 1330) was revised from SB-08-08X008XX to SB-08-05X008XX in the EDD. Other results listed in summary package were confirmed in the EDD.

DATA VALIDATION RECORD

Method SW8270D for SVOCs
Project Name and No: RBTC Fountain Inn; 6251121007
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1411153
Data Validation Level: II (10% of samples Level III)
Date: 6/23/15, 7/22/15
Reviewer: L. Clem Senior Reviewer: D. Howard
Samples Reviewed: SB-04-01X002XX, SB-04-02X002XX, SB-04-03X002XX, SB-06-01X001XX, SB-06-01X002XX, SB-06-01X002MD, SB-06-01X002MS, SB-06-02X001XX, SB-06-02X002XX, SB-08-01X008XX, SB-08-01X008XX, SB-08-01X010XX, SB-08-02X008XX, SB-08-02X010XX, SB-08-03X008XX, SB-08-03X008XX, SB-08-03X008XD, SB-08-03X010XX, SB-08-04X008XX, SB-08-04X010XX, SB-08-05X010XX, SB-08-06X008XX, SB-08-06X010XX, SB-08-07X008XX, SB-08-07X010XX, SB-08-08X008XX*, SB-08-08X010XX, FB-00-001, and RB-00-001.
*NOTE: Laboratory sample 1411153-029 (collected at 1330) was mistakenly identified as SB-08-03X008XX on the COC and laboratory reports. However, this sample was SB-08-05X008XX.

1. Case Narrative and COC review

2. Case Narrative (pg.5 of summary) & COC (pgs. 3-5 of Summary) present for all samples in this SDG.

3. Sample Collection, Preservation (Unpreserved; Cool to 4 ºC), Holding time (Soil - 14 days : 40 days analyzed; Water - 7 days : 40 days analyzed)

Samples analyzed for SVOCs soil unpreserved cooler temps 3.2ºC and 2.9 ºC per "Sample/Cooler Receipt Checklist" pg. 123 of Summary. Samples collected: 11/3/14; Samples Prepped and Analyzed: 11/6/14, 11/7/14, 11/10/14.

4. Instrument Tuning

Pg. 191, 11/7/14, Initial instrument tuning with decafluorotriphenylphosphine (DFTPP) passed.
Pg. 204, 11/7/14, Initial instrument tuning with decafluorotriphenylphosphine (DFTPP) passed.
Pg. 231, 9/9/14, CCV with DFTPP tuning passed.
Pg. 325, 9/10/14, CCV with DFTPP tuning passed.
Pg. 374, 10/2/14, CCV with DFTPP tuning passed.

5. Instrument Calibration

ICAL:
Pgs. 208-209, 9/10/14, Instrument MS-10, Initial Instrument Calibration Response Factor report within range.
2,4-dinitrophenol, 4,6-dinitor-2-methylphenol, hexachlorocyclopentadiene, pentachlorophenol were determined using linear regression.

Pgs. 341-343, 10/3/14, Instrument MS-9, Initial Instrument Calibration Response Factor report, okay.
Pgs. 377-379, 2,4-dinitrophenol, 4,6-dinitor-2-methylphenol, benzoic acid, were determined using linear regression.

ICV: QC limit = 30% D
Pgs. 210-211, 9/9/14, Inst. MS-10,
Pgs. 213-214, 9/10/14, Inst. MS-10

CCVs: QC limit = 20% D (80-120%)

Pgs. 182-183, 11/7/14, Inst. MS-10, Benzaldehyde (31.5%) %Deviation (D) and area% noted by lab as out of range but reported via a linear curve and response ok based on curve - no flags.
Pgs. 195-196, 11/7/14, MS-9, N-nitrosodi-n-butylamine (-24.8%) %Deviation (D) and area% noted by lab as out of range but reported via a linear curve and response ok based on curve - no flags.

6. QC Blanks

Method Blanks:
Pgs. 127-129, MB-196951
Pgs. 137-139, MB-198709
All above method blanks were non-detect

Pgs.159-161, 11/10/14, MB-198877, di-n-butyl phthalate = 0.05167 ug/L x 10 = 5.167ug/L.

Associated Samples:	Flag (BL1)
SB-06-01X002XX	U
SB-06-02X002XX	U
SB-08-03X008XX	U

Field Blank – No flags –all samples ND

FB-00-001, pgs. 15-18, All ND.

Rinse Blank

RB-00-001, pgs. 11-14, All ND.

Trip Blank

Trip blanks not analyzed for SVOCs.

7. Laboratory Control Sample (LCS) Results (Lab limits)

Pgs 129-133, LCS/LCSD-196951, LCS/LCSD within limits
Pgs 161-163, LCS-198877, LCS within limits

LCS-198709, pgs. 139-141

Compound	LCS%Rec	Flag	Reason Code
Hexachlorobutadiene	68.7	J/UJ	LCS-L

Associated samples: FB-00-001 and RB-00-001
Hexachlorobutadiene results (non-detect) were qualified as estimated and flagged "UJ"

8. Internal Standards (50 - 200 %)

Internal standards not included for SVOCs.

9. Surrogate Recovery (Lab limits)

All surrogates within lab limits.

10. Field Duplicate Precision (≤ 50 %)

SB-08-03X008XX/SB-08-03X008XD

Compound	Sample	Duplicate	RPD	Flag
Diethyl phthalate	0.051 J	0.049 J	NC	NA

*NOTE – RPDs are only applicable for detections above the RL.

11. Matrix Spike/Matrix spike Duplicate (MS/MSD) (lab limits/RPD ≤ 19.9-51.2 %)

1411153-025CMS/1411153-025CMSD, pgs. 163-166, project sample SB-06-01X002MS.

Above MS/MSD were within QC limits.
1411153-022CMS/1411153-022CMSD, pgs. 133-136, project sample SB-06-01X002MD

Compound	MS % rec	MSD % Rec	RPD	Flag	Reason Code
Acenaphthene	129	131	1.65	none	not-detected
Hexachlorobutadiene	125	128	2.5	none	not-detected

1410S08-002DMS/1410S08-022DMSD, pgs. 141-144, non-project sample 1410508

Compound	MS % rec	MSD % Rec	RPD	Flag	Reason Code
2,4,5-Trichlorophenol	56.7	63.5	0	none	non-project
2,4,6-Trichlorophenol	62.0	69.5	11.4	none	non-project
2,4-Dichlorophenol	39.6	56.4	35	none	non-project
2,4-Dimethylphenol	35.0	30.3	0	none	non-project
2,6-Dinitrotoluene	-87.8	-87.2	0.82	none	non-project
3,3'-Dichlorobenzidine	0	0	0	none	non-project
Benzo(b)fluoranthene	48.8	50.4	3.23	none	non-project
Bis(2-ethylhexyl)phthalate	47.7	53.7	9.46	none	non-project
Hexachlorobutadiene	48.0	43.5	9.91	none	non-project
Nitrobenzene	46.1	58	22.9	none	non-project

12. Raw Calculations

Not required for Level II

13. Electronic Data Review

Ten percent of the EDD results for SVOCs (samples SB-04-03X002XX, SB-08-05X008XX [laboratory sample 1411153-029, mistakenly identified as SB-08-08X008XX], SB-08-08X008XX) were compared to the laboratory data report to confirm accuracy of the EDD. The Client Sample ID for laboratory sample 1411153-029 (collected at 1330) was revised from SB-08-08X008XX to SB-08-05X008XX in the EDD. Other results listed in summary package were confirmed in the EDD.

DATA VALIDATION RECORD

Method SW8260B for VOCs
Project Name and No: RBTC Fountain Inn; 6251121007.03.01
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1411267
Data Validation Level: II (10% of samples Level III)
Date: 6/23/2015, 7/22/15
Reviewer: L. Clem Senior Reviewer: D. Howard
Samples Reviewed: SD-09-01X000XX, SD-09-02X000XX, SD-09-03X000XX, SD-09-03X000MD, SD-09-03X000MS, SD-09-04X000XX, SD-09-05X000XX, SD-09-06X000XX, SD-09-07X000XX, SD-09-08X000XX, SD-09-09X000XX, SS-07-01X000XX, SS-07-01X000XD, SS-07-02X000XX, SS-07-03X000XX, FB-00-002, RB-00-002, RB-00-003, and TB-00-003.
*NOTE: Laboratory sample 1411267-016A, listed as sample RB-00-003 on the COC, was mistakenly labelled as LB-00-003. The correct sample ID, RB-00-003, was used in the data report.

1. Case Narrative and COC review

Case Narrative (pg. 5 of data package) and COC (pgs. 3-4 of data package) present for all samples in this SDG.

2. Sample Collection, Preservation (Soil Preserved with Deionized (DI) Water/Methanol, Water Preserved with Hydrochloric (HCl) Acid; Cool to 4 ^{o}C), Holding time (14 days)

Samples analyzed for VOCs soil preserved with DI Water/Methanol, water preserved with HCl; cooler temp 3.1^{o}C per "Sample/Cooler Receipt Checklist" pg. 35 of Summary. Samples collected: 11/4/14; Samples Prepped and Analyzed: 11/10/14, 11/11/14, 11/12/14.

3. Instrument Tuning

Pg. 146, 11/7/14, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed.
Pg. 126, 11/11/14, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg. 133, 11/12/14, CCV with BFB tuning passed.
Pg. 140, 11/12/14, CCV with BFB tuning passed

Pg. 223, 10/17/14, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed.

4. Instrument Calibration

ICAL:
Pgs. 149-150, 11/11/14, Initial Instrument Calibration Response Factor report within range.
Pgs. 151-161, Instrument Calibration Curves, linear regression, okay.

Pgs. 224-225, 10/20/14, Initial Instrument Calibration Response Factor report within range.

Pgs. 228-231, Instrument Calibration Curves, linear regression, okay.

ICV:
Pgs. 255-256, 10/20/14, Initial Calibration Verification (ICV), OK

CCVs:
Pg. 127-128, 11/11/14, CCV with BFB, OK

Pg. 134-135, 11/12/14, CCV with BFB, OK.

5. QC Blanks

Method Blanks:

Pgs. 46-47, 11/10/14, MB-198967, All ND.

Pgs.54-55, 11/10/14, MB-198980, All ND.

Pgs. 62-63, 11/11/14, MB-199057, All ND.

Field Blank

FB-00-002, pgs. 33-34, All ND.

Rinse Blank

RB-00-003, pgs. 31-32, All ND.

Trip Blank

TB-00-003, pgs. 6-7, All ND.

6. Laboratory Control Sample (LCS) Results (Lab limits)

LCS-198967, pgs. 48-49, LCS within limits.
LCS-199057, pgs. 64-65, LCS within limits.

LCS-198980, pgs. 56-57

Compound	LCS%Rec	Flag	Reason Code
Tetrachloroethene	136	J positive*	LCS-H

*NOTE - The associated sample with a positive detection (SD-09-07X000XX) was already qualified as estimated and flagged “J” because the detected concentration was less than the reporting limit. No further qualification was required.

7. Internal Standards (50 - 200 %)

Pg. 143-144, 11/12/14, okay.

Pgs, 136-137, 11/12/14, okay.

Pgs. 129, 11/11/14, okay.

8. Surrogate Recovery (70-128%)

All surrogates within lab limits.

9. Field Duplicate Precision (≤ 50 %)

No Field Duplicate included in this SDG.

10. Matrix Spike/Matrix spike Duplicate (MS/MSD) (lab limits / RPD ≤ 14.1-54.5 %)

1411594-004AMS/1411594-004AMSD, pgs. 66-69, project sample SW-09-03X000XX (from SDG 1411594).

Above MS/MSD were within QC limits.

1411267-009AMS/1411267-009AMSD, pgs. 50-53, project sample SD-09-03X000XX. The following VOCs were outside QC limits.

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
1,2,4-Trichlorobenzene	69.3	97.0	31.8	UJ	MS-RPD
Methylene Chloride	60.5	60.9	0.895	UJ	MS-L
Vinyl Chloride	47.9	48.7	0.077	UJ	MS-L

1411267-013AMS/1411267-013AMSD, pgs. 58-61, project sample SD-09-07X000XX. The following VOCs were outside QC limits.

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
1,2,4-Trichlorobenzene	148	139	6.67	none	not detected

11. Raw Calculations

Not required for Level II or Level III.

12. Electronic Data Review

Ten percent of the EDD results for VOCs (samples SD-09-04X000XX, SD-09-07X000XX) were compared to the laboratory data report to confirm accuracy of the EDD. Results listed in summary package were confirmed in the EDD.

DATA VALIDATION RECORD

Method SW8270D for SVOCs
Project Name and No: RBTC Fountain Inn; 6251121007
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1411267
Data Validation Level: II (10% of samples Level III)
Date: 6/23/15, 7/22/15
Reviewer: L. Clem Senior Reviewer: D. Howard
Samples Reviewed: SS-07-01X000XX, SS-07-01X000XD, SS-07-02X000XX, SS-07-03X000XX, and RB-00-002.

1. Case Narrative and COC review

2. Case Narrative (pg.4 of data package) & COC (pgs. 3-4 of data package) present for all samples in this SDG.

3. Sample Collection, Preservation (Unpreserved; Cool to 4 ºC), Holding time (Soil - 14 days : 40 days analyzed; Water - 7 days : 40 days analyzed)

Samples analyzed for SVOCs soil unpreserved cooler temp 3.1ºC per "Sample/Cooler Receipt Checklist" pg. 35 of Summary. Samples collected: 11/4/14; Samples Prepped and Analyzed: 11/10/14.

4. Instrument Tuning

Pg. 101, 10/15/14, Initial instrument tuning with decafluorotriphenylphosphine (DFTPP) passed.

Pg. 90, 10/15/14, ICV with DFTPP tuning passed.
Pg. 78, 11/12/14, CCV with DFTPP tuning passed.
Pg. 273, 11/7/14, CCV with DFTPP tuning passed.
Pg. 285, 11/10/14, CCV with DFTPP tuning passed.
Pg. 296, 10/16/14, CCV with DFTPP tuning passed.
Pg. 285, 11/10/14, CCV with DFTPP tuning passed.

5. Instrument Calibration

ICAL:
Pgs.94, 10/17/14, Instrument MS-6, Initial Instrument Calibration Response Factor report within range. OK
ICV: QC limit = 30% D
Pgs. 95, 10/17/14, Instrument MS-6, Initial Calibration Verification (ICV). OK

CCVs: QC limit = 20% D (80-120%)
Pgs. 71, 11/7/15, Instrument MS-6, OK

6. QC Blanks

Method Blanks:
Pg 38, 11/7/14, MB-198780, All ND.
Pg 42, 11/7/14, MB-198795, All ND.

Field Blank

Field Blank not analyzed for SVOCs.
\
Rinse Blank

RB-00-002, pg. 8, All ND.

Trip Blank

Trip blank not analyzed for SVOCs.

7. Laboratory Control Sample (LCS) Results (Lab limits)

Pg 38-39, LCS-198780, LCS within limits
Pg 42-43, LCS-198795, LCS within limits

8. Matrix Spike/Matrix spike Duplicate (MS/MSD) (lab limits/RPD ≤ 22.1-30 %)

1411298-007DMS/1411298-007DMSD, pgs 39-41, non-project sample.

1411267-005AMS/1411267-005AMSD, pgs 43-45, project sample SS-07-02X000XX.

Above MS/MSD were within QC limits.

9. Raw Calculations

Not required for Level II

10. Electronic Data Review

Results listed in summary package were compared to EDD – all ok.

DATA VALIDATION RECORD

Method SW8260B for VOCs
Project Name and No: RBTC Fountain Inn; 6251121007.03.01
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1411594
Data Validation Level: II (10% of samples Level III)
Date: 6/23/2015, 7/22/15
Reviewer: L. Clem Senior Reviewer: D. Howard
Samples Reviewed: PW-09-01X000XX, PW-09-03X000XX, PW-09-08X000XX, PW-09-09X000XX, PW-09-10X000XX, PW-09-12X000XX, PW-09-14X000XX, PW-09-14X000XD, SW-09-03X000XX, SW-09-04X000XX, SW-09-05X000XX, SW-09-06X000XX, SW-09-07X000XX, SW-09-08X000XX, SW-09-10X000XX, SW-09-12X000XX, SW-09-13X000XX, SW-09-13X000MS, SW-09-13X000MD, FB-00-003, RB-00-003, and TB-00-004.

1. Case Narrative and COC review

Case Narrative (pg. 4 of data package) and COC (pgs. 2 - 3 of data package) present for all samples in this SDG. It was noted in the Case Narrative that two samples were logged using the information on the sample labels instead of the information on the COC. Laboratory samples 1411594-013A and 1411594-020A were logged as samples SW-09-13X000XD and PW-09-14X000XX, respectively. Two other samples listed on the COC were not analyzed: SW-09-13X000MD and PW-09-14X000XD.

2. Sample Collection, Preservation (Preserved with Hydrochloric Acid (HCl); Cool to 4 ºC), Holding time (14 days)

Samples analyzed for VOCs preserved with HCl; cooler temp 3.2ºC per “Sample/Cooler Receipt Checklist” pg. 45 of Summary. Samples collected: 11/5/14; Samples Prepped and Analyzed: 11/12/14, 11/13/14.

3. Instrument Tuning

Pg. 79, 11/7/14, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed.

Pg. 66, 11/11/14, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg 73, 11/12/14, CCV with BFB tuning passed.

Pg. 156, 10/20/14, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed.

Pg. 66, 11/11/14, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg 73, 11/12/14, CCV with BFB tuning passed.

4. Instrument Calibration

ICAL:
Pgs. 82-83, 11/7/14, Initial Instrument Calibration Response Factor report within range.

Pgs. 84-94, Instrument Calibration Curves, linear regression, okay.

Pgs. 157-158, 10/20/14, Initial Instrument Calibration Response Factor report within range.
Pgs. 161-164, Instrument Calibration Curves, linear regression, okay.

ICV:
Pgs. 80-81, 11/7/14, Initial Calibration Verification (ICV) Evaluate Continuing Calibration report, OK

Pgs. 159-160, 10/14, Initial Calibration Verification (ICV) Evaluate Continuing Calibration report, OK

CCVs:
Pg. 67-68, 11/11/14, CCV with BFB, OK

5. QC Blanks
Method Blanks:

Pgs. 47-48, 11/11/14, MB-199057, All ND.

Pgs.55-56, 11/12/14, MB-199148, All ND.

Field Blank

FB-00-003, pgs. 9-10, All ND.

Rinse Blank

RB-00-003, pgs. 7-8, All ND

Trip Blank

TB-00-004, pgs. 5-6, All ND.

6. Laboratory Control Sample (LCS) Results (Lab limits)

LCS-199057, pgs. 49-50, LCS within limits.
LCS-199148, pgs. 57-58, LCS within limits.

7. Internal Standards (50 - 200 %)

Pg. 69, 11/11/4, okay.

Pgs, 76-77, 11/12/14, okay.

8. Surrogate Recovery (70-128%)

All surrogates within lab limits.

9. Field Duplicate Precision (≤ 50 %)

The VOC results for parent and duplicate sample pair SW-09-13X000XX/ SW-09-13X000XD were non-detect, so Relative Percent Difference calculations could not be made.

10. Matrix Spike/Matrix spike Duplicate (MS/MSD) (lab limits / RPD ≤ 18.7-23.3%)

1411594-004AMS/1411594-004AMSD, pgs. 51-54, project sample SW-09-03X000XX.
1411594-020AMS/1411594-020AMSD, pgs. 59-62, project sample PW-09-14X000XX.

Above MS/MSD were within QC limits.

11. Raw Calculations

Not required for Level II

12. Electronic Data Review

Ten percent of the EDD results for VOCs (samples SW-09-04X000XX, PW-09-10X000XX) were compared to the laboratory data report to confirm accuracy of the EDD. Results listed in summary package were confirmed in the EDD.

DATA VALIDATION RECORD

Method SW8260B for VOCs
Project Name and No: RBTC Fountain Inn; 6251121007.03.01
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1501P17
Data Validation Level: II (10% of samples Level III)
Date: 6/9/2015
Reviewer: L. Clem Senior Reviewer: J. Hartness 6/17/15
Samples Reviewed: MW-08-01X000XX, MW-08-02D000XX, MW-08-03X000XX, MW-08-03X000XD, MW-08-04X000XX/MS/MD, MW-08-05X000XX, MW-09-06X000XX, MW-09-09X000XX, MW-09-10X000XX, MW-09-11X000XX, MW-09-11X000XD, MW-09-12D000XX, MW-09-13X000XX, MW-09-14X000XX, MW-09-15X000XX, MW-09-16D000XX, MW-09-17X000XX, MW-09-18D000XX, MW-09-19D000XX, MW-03-20X000XX, MW-02-24X000XX*, FB-00-001, FB-00-002, FB-00-003, and TB-00-001.
*This sample was identified as MW-04-24X000XX on the COC and laboratory reports.

1. Case Narrative and COC review

Case Narrative (pg. 6 of data package) and COC (pgs. 3 - 5 of data package) present for all samples in this SDG. It was noted in the Case Narrative that two sets of samples were logged using the sample ID on the COC instead of the information on the sample labels. The samples were logged as “MW-04-23X000XX/MS/MSD” and “MW-04-24X000XX” rather than “MW-03-23X000XX/MS/MSD” and “MW-03-24X000XX”. The sampled identified as “MW-04-24X000XX” on the COC should have been identified as “MW-02-24X000XX”.

2. Sample Collection, Preservation (Preserved with Hydrochloric Acid (HCl); Cool to 4 ºC), Holding time (14 days)

Samples analyzed for VOCs preserved with HCl; cooler temps 3.1ºC, 3.3ºC, 3.2ºC, 3.0ºC, per “Sample/Cooler Receipt Checklist” pg. 74 of Summary. Samples collected: 1/27/15, 1/28/15, 1/29/15; Samples Prepped and Analyzed: 2/2/15, 2/3/15, 2/4/15.

3. Instrument Tuning

Pg. 548, 1/26/15, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed.

Pg. 530, 2/2/15, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg. 535, 2/3/15, CCV with BFB tuning passed.
Pg. 541, 2/4/15, CCV with BFB tuning passed.

4. Instrument Calibration

ICAL:
Pgs. 549-550, 1/27/15, Initial Instrument Calibration Response Factor report within range.

Pgs. 553-556, Instrument Calibration Curves, linear regression, okay.

ICV:
Pgs. 551-552, 1/27/15, Initial Calibration Verification (ICV) Evaluate Continuing Calibration report, chlorobenzene and bromoform %Deviation (D) noted by lab as out of range, but are less than 15% (within QC range) – no flags.

CCVs:
Pg. 531-532, 2/2/15, CCV with BFB, chlorobenzene and bromoform %Deviation (D) noted by lab as out of range, but are less than 15% (within QC range) – no flags.

Pg. 536-537, 2/3/15, CCV with BFB, chlorobenzene and bromoform %D noted by lab as out of range, but are less than 15% (within range) - no flags.

Pg. 542-543, 2/4/15, CCV with BFB, acetone %D out of range but not detected in site data. Chlorobenzene and bromoform %D noted by lab as out of range, but are less than 15% (within range) - no flags.

5. QC Blanks
Method Blanks:

Pgs. 94-95, 2/2/15, MB-202599, Methylene Chloride=2.96 µg/L x 10=29.6 µg/L.

Associated Samples:	Flag U (BL1)
MW-08-05X000XX	1.6 J - Raise to RL 5U
MW-09-13X000XX	1.0 J – Raise to RL 5U
MW-09-16D000XX	1.2 J – Raise to RL 5U
MW-09-17X000XX	1.2 J – Raise to RL 5U

Pgs.105-106, 2/4/15, MB-202656, Methylene Chloride=1.51 µg/L x 10=15.1 µg/L.

Associated Samples:	Flag U (BL1)
TB-00-001	2.6 J – Raise to RL 5U

Field Blank

FB-00-001, pgs. 67-68, Acetone=30 µg/L x 10=300 µg/L.
Acetone was not detected in the associated samples – no flags.

FB-00-002, pgs. 69-70, Acetone=39 µg/L x 10=390 µg/L.
Acetone was not detected in the associated samples – no flags.

FB-00-003, pgs. 71-72, Acetone=33 µg/L x 10=330 µg/L.
Acetone was not detected in the associated samples – no flags.

Rinse Blank

Rinse Blank not included in this SDG.

Trip Blank

TB-00-001, pgs. 73-74, Methylene Chloride=2. 6 J µg/L x 10=26 µg/L.
Associated samples were already qualified as non-detect ("U" flagged) due to detection of methylene chloride in associated method blanks.

6. Laboratory Control Sample (LCS) Results (Lab limits)

LCS-202599, pgs. 96-97, LCS within limits.
LCS-202656, pgs. 107-108, LCS within limits.

7. Internal Standards (50 - 200 %)

Pg. 533, 2/2/15, okay.

Pgs, 538-539, 2/3/15, okay.

Pgs. 544-545, 2/4/15, okay.

8. Surrogate Recovery (70-128%)

All surrogates within lab limits.

9. Field Duplicate Precision (≤ 50 %)

The VOC results for parent and duplicate sample pair MW-08-03X000XX/ MW-08-03X000XD were less than the reporting limit, so Relative Percent Difference calculations were not applicable.

MW-09-11X000XX/ MW-09-11X000XD

Compound	Sample	Duplicate	RPD	Flag
Tetrachloroethene	54	53	1.9	none

10. Matrix Spike/Matrix spike Duplicate (MS/MSD) (50.2-156 %/RPD ≤ 19.3-26.5 %)

Pgs. 109-112, 1501P17-025AMS/1501P17-025AMSD, project sample MW-04-24X000XX.

Above MS/MSD were within QC limits.

Pgs. 98-101, 1501P17-005AMS/1501P17-005AMSD, project sample MW-08-04X000XX/MS/MD. The following VOCs were outside QC limits.

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
Vinyl Chloride	132	133	1.07	none	not detected

11. Raw Calculations

Not required for Level II or Level III

12. Electronic Data Review

Ten percent of the EDD results for VOCs (samples MW-08-01X000XX, MW-09-13X000XX, MW-09-19D000XX) were compared to the laboratory data report to confirm accuracy of the EDD. Results listed in summary package were confirmed in the EDD. In addition, the sample identified as MW-04-24X000XX was corrected to MW-02-24X000XX.

DATA VALIDATION RECORD

Method SW8270D for SVOCs
Project Name and No: RBTC Fountain Inn; 6251121007
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1501P17
Data Validation Level: II (10% of samples Level III)
Date: 6/12/15
Reviewer: L. Clem Senior Reviewer: J. Hartness 6-12-15
Samples Reviewed: MW-08-01X000XX, MW-08-02D000XX, MW-08-03X000XX, MW-08-03X000XD, MW-08-04X000XX/MS/MD, MW-08-05X000XX, and MW-03-20X000XX.

1. Case Narrative and COC review

2. Case Narrative (pg.5 of summary) & COC (pgs. 2-4 of Summary) present for all samples in this SDG.

3. Sample Collection, Preservation (Unpreserved; Cool to 4 °C), Holding time (7 days : 40 days analyzed)

Samples analyzed for SVOCs soil unpreserved cooler temps 3.1ºC, 3.3ºC, 3.2ºC, 3.0ºC per "Sample/Cooler Receipt Checklist" pg. 74 of Summary. Samples collected: 1/27/15, 1/29/15; Samples Prepped and Analyzed: 2/5/15.

4. Instrument Tuning

Pg. 424-425, 11/12/14, Initial instrument tuning with decafluorotriphenylphosphine (DFTPP) passed.

Pg. 264, 12/29/14, CCV with DFTPP tuning passed.
Pg. 373, 12/30/14, CCV with DFTPP tuning passed.
Pg. 219, 2/4/15, CCV with DFTPP tuning passed.
Pg. 233, 2/5/15, CCV with DFTPP tuning passed.

5. Instrument Calibration

ICAL:
Pgs. 237-239, 12/30/14, Instrument MS9, Initial Instrument Calibration Response Factor report within range.

Pgs. 385-387, 11/13/14, Instrument MS14, Initial Instrument Calibration Response Factor report, okay.

Pgs. 267-270, 12/30/14, Instrument Calibration Curves, linear regression, okay.

Pgs. 428-431, 11/13/14, Instrument Calibration Curves, linear regression, okay.

ICV: QC limit = 30% D
Pgs. 243-260, 12/29/14, Instrument MS-9, Initial Calibration Verification (ICV). ICV BNA60 (p. 243) %Deviation (D) out (>30%): acetophenone (-89.7%); atrazine (-49.1%); hexachlorocyclopentadiene (33.7%). ICV BNA 80 5:12 pm (p. 249) hexachlorocyclopentadiene %D ok (11.6%). ICV BNA80 5:37 pm (p. 256) Atrazine %D ok (2.6%). Only acetophenone % D >30% at 35.1% (ICV BNA80 p. 255). The CCVs and LCS are within range and site samples were not analyzed within 12 hours of the ICV – no flags.

Pgs. 391-420, 11/12/14, Instrument MS-14, ICV. ICV BNA80 2:03 pm (p. 391) %Ds out (>30%) for: acetophenone (-84 %); atrazine (44.4%); ICV BNA80 2:55 pm (p. 398): atrazine %D OK (2.0%). Only acetophenone % D >30% at 34.8% (ICV BNA80 2:55 pm p. 397). The CCVs and LCS are within range and site samples were not analyzed within 12 hours of the ICV – no flags.

CCVs: QC limit = 20% D (80-120%)
Pgs. 210-212, 2/4/15, Instrument MS-9, pentachlorophenol (33.3%) %Deviation (D) and area% noted by lab as out of range but reported via a linear curve and response ok based on curve - no flags.

Pgs. 127-129, 2/5/15, Instrument MS-14 CCV, 2-nitrophenol % recovery out of range (high) (123%) but not detected in site data - no flags. Raw data on pgs. 223-225.

6. QC Blanks
Method Blanks:
Pgs. 79-80, MB-202444, All ND.

Field Blank

Field blanks not analyzed for SVOCs.

Rinse Blank

Rinse Blanks not analyzed in this SDG.

Trip Blank

Trip blanks not analyzed for SVOCs.

7. Laboratory Control Sample (LCS) Results (Lab limits) 70-130%
Pgs. 81-84, LCS-202444, Hexachlorobutadiene = 68.7% - flag associated results "J/UJ"

8. Internal Standards (50 - 200 %)

Internal standards not included for SVOCs.

9. Surrogate Recovery (Lab limits)

All surrogates within lab limits.

10. Field Duplicate Precision (≤ 50 %)

The VOC results for parent and duplicate sample pair MW-08-03X000XX/ MW-08-03X000XD were non-detect, so Relative Percent Difference calculations could not be made.

11. Matrix Spike/Matrix spike Duplicate (MS/MSD) (lab limits/RPD ≤ 20 %)

1501P17-005AMS/1501P17-005AMSD, pgs. 84-89, project sample MW-08-04X000XX/MS/MD. The following SVOCs were outside QC limits.

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
2-Chlorophenol	51.1	73.8	36.3	UJ	MS-L
2,4-Dichlorophenol	60.7	86.1	34.6	none	not detected
2-Methylphenol	60.7	78.8	26	none	not detected
3,3'-Dichlorobenzidine	29.5	41.3	33.6	none	not detected
4-Methylphenol	70.3	92.4	27.1	none	not detected

12. Raw Calculations

Not required for Level II or Level III.

13. Electronic Data Review

Results listed in summary package were compared to EDD – all ok.

DATA VALIDATION RECORD

Method SW6010 for ICP Metals
Project Name and No: RBTC Fountain Inn; 6251121007.03.01
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1501P17
Data Validation Level: II (10% of samples Level III)
Date: 6/12/15
Reviewer: L. Clem Senior Reviewer: J. Hartness 6-12-15

Samples Reviewed: MW-03-20X000XX, MW-03-21X000XX, MW-04-22X000XX, MW-04-23X000XD, MW-04-23X000XX/MS/MD, and MW-02-24X000XX*.
*This sample was identified as MW-04-24X000XX on the COC and laboratory reports.

1. Case Narrative and COC review

Case Narrative (pg. 6 of summary) & COC (pgs. 3-5 of Summary) present for all samples in this SDG.

2. Sample Collection, Preservation (HNO_3; pH ≤ 2), Holding time (6 months)

Samples analyzed for seven total metals (arsenic, barium, cadmium, chromium, lead, selenium, and silver); preserved with HNO_3; pH ok; cooler temps 3.1ºC, 3.3ºC, 3.2ºC, 3.0ºC "Sample/Cooler Receipt Checklist" pg. 75 of Summary. Samples collected: 1/27/15, 1/28/15, 1/29/15; Prep date: 2/5/15.

3. Interference Check Standards

ICSA/AB:
Pgs. 121-123, 2/4/15 and 2/5/15, Iron spike recovery outside QC limits (low) in two ICSA and two ICSAB, however, iron was not reported for site samples – no flags. Selenium spike recovery outside QC limits (low) in one ICSAB; selenium results (all non-detect) qualified as biased low (UL).

4. Instrument Calibration (r^2 ≥ 0.995); ICV (± 10%); CCV (± 15%)

ICAL:
Pgs. 140 and 143, Instrument Calibration Run log.

ICV:
Pgs. 123-124, 2/4/15, Initial Calibration Verification (ICV), okay – no flags.

CCVs:
Pg. 116-119, 2/4/15 and 2/5/15, CCV, selenium spike % recovery was out of range (low) in two CCVs. No site samples were run between the two CCVs that were out of range. Two other CCVs for only selenium were within range. No flags.

CRI: (low level check)
Pgs. 119-120, 2/4/15 and 2/5/15, %Recovery within QC limits. No flags.

5. QC Blanks

ICB:

Pgs. 120-121, 2/5/15, Initial Calibration Blank, potassium (not reported) and selenium (0.00754J x 5 = 0.0377) detected at concentrations less than reporting limit. Selenium not detected and potassium not reported for site samples – no flags.

CCB:

Pgs. 113-116, 2/5/15, arsenic (0.01326J, 0.01062J, 0.01118J, 0.01007J, 0.01877J, 0.00854J) and potassium were detected at concentrations less than the reporting limit in six CCBs, selenium was detected (0.002637J) in one of the two selenium-specific CCBs at a concentration less than the reporting limit. Potassium was not reported for the site samples, selenium was not detected in site samples. Arsenic was detected in two samples (MW-04-23X000XD and MW-04-23X000XX/MS/MD) at concentrations less than the reporting limit. Flag result "U" and raise to reporting limit if arsenic associated sample results are not greater than 5x the blank concentration.

Method Blanks:

Pg. 91, 2/5/15, MB-202562, Total Chromium = 0.000308 mg/L x 5 = 0.00154.
Total chromium was detected in associated samples, but detected concentrations were less than the reporting limit and already qualified as estimated (flagged "J"). Results were flagged "U" and raise to reporting limit if chromium associated sample results are not greater than 5x the blank concentration.

Rinse (Equipment) Blanks:

Rinse Blank not included in this SDG.

Field Blank

Field Blanks for total metals not included in this SDG.

6. Laboratory Fortified Blank (LFB)/Laboratory Control Sample (LCS) Results (80-120 %)

Pg 91, LCS-202562, LCS within limits.

7. Serial Dilution % Difference (10 % D for metals ≥ 50x DL)

Pg. 93, MW-04-23X00XX/MS/MD, %RPD for selenium 140%, outside QC limits. NA, selenium not detected at >50 x DL, and selenium was not detected in site samples – no flags.

8. Post Digestion Spike Recovery (75-175 %)

Pg. 93, 2/5/15, performed on project sample MW-04-23-X000XX. Recoveries within QC limits.

9. Field Duplicate Precision (RPD ≤ 50) for results at or above the RL

MW-04-23X000XX/ MW-04-23X000XD

Compound	Sample	Duplicate	RPD	Flag
Arsenic	0.0114 J	0.004 J	NC	NA
Barium	0.0646	0.0648	0.31	none
Chromium	0.0011 J	0.001 J	NC	NA

RPDs ok for results at or above the RL – no flags required

Lab Duplicate (RPD < 30)

No Lab Duplicate included in this SDG.

10. Matrix Spike/Spike Duplicate (MS/MSD) (75-125 %/RPD ≤ 20)

1501P17-023AMS /1501P17-023AMSD, pgs. 92, project sample 1501P17-023A (MW-04-23-X000XX/MS/MD).

Above MS/MSD were within QC limits.

11. Raw Calculations

Not required for Level II or Level III.

12. Electronic Data Review

The EDD results were compared to the laboratory data report to confirm accuracy of the EDD. Results listed in summary package were confirmed in the EDD. In addition, the sample identified as MW-04-24X000XX was corrected to MW-02-24X000XX.

DATA VALIDATION RECORD

Method SW7470 for Mercury
Project Name and No: RBTC Fountain Inn; 6251121007.03.01
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1501P17
Data Validation Level: II (10% of samples Level III)
Date: 6/17/15
Reviewer: L. Clem Senior Reviewer: J. Hartness 06/17/15

Samples Reviewed: MW-03-20X000XX, MW-03-21X000XX, MW-04-22X000XX, MW-04-23X000XD, MW-04-23X000XX/MS/MD, and MW-02-24X000XX*.
*This sample was identified as MW-04-24X000XX on the COC and laboratory reports.

1. Case Narrative and COC review

Case Narrative (pg. 6 of summary) & COC (pgs. 3-5 of Summary) present for all samples in this SDG.

2. Sample Collection, Preservation (HNO_3; pH ≤ 2), Holding time (28 days)

Samples analyzed for total mercury; preserved with HNO_3; pH ok; cooler temps 3.1ºC, 3.3ºC, 3.2ºC, 3.0ºC "Sample/Cooler Receipt Checklist" pg. 74 of Summary. Samples collected: 1/27/15, 1/28/15, 1/29/15; Prep date: 2/5/15.

3. Instrument Calibration (at least 5 points; $r^2 \geq 0.995$); ICV (± 10%); CCV (± 15%)

ICAL:
Pg. 134, Instrument Calibration Run log.

ICV:
Pg. 131, 2/5/15, Initial Calibration Verification (ICV), recoveries within QC limits – no flags.

CCVs:
Pgs. 130-131, 2/5/15, recoveries within QC limits – no flags.

CRA:
Pg. 131, 2/5/15, recoveries within QC limits – no flags.

4. QC Blanks
Method Blanks:

ICB:
Pg. 131, 2/5/15, Initial Calibration Blank, recoveries within QC limits – no flags.

CCB:
Pg. 130, 2/5/15, mercury not detected – no flags.

Pg. 102, 2/5/15, MB-202639, ND.

Rinse (Equipment) Blanks:

Rinse Blank not included in this SDG.

Field Blank

Field Blanks for total mercury not included in this SDG.

5. Laboratory Fortified Blank (LFB)/Laboratory Control Sample (LCS) Results (80-120 %)

Pg 102, LCS-202639, LCS within limits.

6. Serial Dilution % Difference (10 % D for metals ≥ 50x DL)

NA – no mercury concentrations > 10 times the RL.

7. Post Digestion Spike Recovery (75-175 %)

Pg. 103-104, 2/5/15, 1501N94-006CPDS, Recoveries within QC limits.

8. Field Duplicate Precision (RPD ≤ 50) for results at or above the RL

MW-04-23X000XX/ MW-04-23X 000XD

Compound	Sample	Duplicate	RPD	Flag
Mercury	0.00016 J	<0.00004	NC	NA

*NOTE – RPDs are only applicable for detections above the RL.

Lab Duplicate (RPD < 30)

No Lab Duplicate included in this SDG.

9. Matrix Spike/Spike Duplicate (MS/MSD) (70-130 %/RPD ≤ 20)

1501N94-006CMS/1501N94-006CMSD, pgs. 102-103, non-project sample 1501N94-006C.

1501N94-007DMS/1501N94-007DMSD, pgs. 102-103, non-project sample 1501N94-007D.

1501N94-008DMS/1501N94-008DMSD, pgs. 102-103, non-project sample 1501N94-008D.

1501P17-023AMS /1501P17-023AMSD, pg. 103, project sample 1501P17-023A (MW-04-23-X000XX/MS/MD

Above MS/MSD were within QC limits.

10. Raw Calculations

Not required for Level II or Level III.

11. Electronic Data Review

The EDD results were compared to the laboratory data report to confirm accuracy of the EDD. Results listed in summary package were confirmed in the EDD. In addition, the sample identified as MW-04-24X000XX was corrected to MW-02-24X000XX.

DATA VALIDATION RECORD

Method EPA 8015C for Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRG)
Project Name and No: RBTC Fountain Inn; 6251121007.03.01
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1501P17
Data Validation Level: II (10% of samples Level III)
Date: 6/10/15
Reviewer: L. Clem Senior Reviewer: J. Hartness 6/17/15

Samples Reviewed: MW-08-01X000XX, MW-08-02D000XX, MW-08-03X000XX, MW-08-03X000XD, MW-08-04X000XX/MS/MD, and MW-08-05X000XX.

1. **Case Narrative and COC review**

Case Narrative (pg. 6 of data package) and COC (pgs. 3 - 5 of data package) present for all samples in this SDG.

2. **Sample Collection, Preservation; 500-mL; cool to 6ºC ± 2 ºC; Holding time (7 days : 40 days analyzed)**

Samples analyzed for TPH-DRO; cooler temps 3.1ºC, 3.3ºC, 3.2ºC, 3.0ºC per "Sample/Cooler Receipt Checklist" pg. 74 of Summary. Samples collected: 1/27/15, 1/29/15; Prepped and Analyzed: 2/4/15, 2/5/15.

3. **Instrument Initial Calibration**

ICAL:
Pg. 162, 12/2/14, Instrument Calibration %RSD within QC limits.

ICV:
Pg. 163, 12/3/14, Initial Calibration Verification (ICV), okay – no flags.

4. **Continuing Calibration**

CCVs:
Pg. 125-126, 2/5/15 and 2/6/15, CCV, % recovery was within range - no flags.

5. **QC Blanks**

CCB:

Pg. 125, 2/4/15, within QC limits – no flags.

Method Blanks:

Pg. 90, 2/4/15 MB-202545, ND.

Field Blank

Field Blank not analyzed for TPH-DRO.

Rinse Blank

Rinse Blank not included in this SDG.

6. Laboratory Control Sample (LCS) Results (70-130 %)

Pg. 90 LCS-202545, LCS within required QC limits.

7. Field Duplicate Precision (RPD ≤ 30)

MW-08-03X000XX/ MW-08-03X000XD

Compound	Sample	Duplicate	RPD	Flag
TPH-DRO	0.21	0.19 J	NC	NA

*NOTE – RPDs are only applicable for detections above the RL.

8. Laboratory Duplicate (RPD ≤ 20)

Lab dups not analyzed for TPH-DRO.

9. Matrix Spike (MS) (41.6-126%)

Pg. 90 1501P17-005BMS/1501P17-005BMSD, project sample MW-08-04X000XX/MS/MD.

Above MS/MSD were within QC limits.

10. Raw Calculations

Not required for Level II or Level III.

11. Electronic Data Review

Results were compared to EDD - ok

DATA VALIDATION RECORD

Method SW8260B for VOCs
Project Name and No: RBTC Fountain Inn; 6251121007.03.01
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1507504
Data Validation Level: II (10% of samples Level III)
Date: 8/3/2015
Reviewer: L. Clem Senior Reviewer: Daniel Howard 10/6/15
Samples Reviewed: SB-09-01X000XX, SB-09-01X005XX, SB-09-01X010XX, SB-09-01X015XX, SB-09-02X000XX, SB-09-02X005XX, SB-09-02X005XD, SB-09-02X010XX, SB-09-02X015XX, SB-09-02X020XX, SB-09-03X000XX, SB-09-03X005XX, SB-09-03X010XX, SB-09-03X010MS, SB-09-03X010MD, SB-09-03X015XX, SB-09-04X000XX, SB-09-04X005XX, SB-09-04X005XD, SB-09-04X010XX, SB-09-04X015XX, SB-09-04X020XX, SB-09-05X000XX, SB-09-05X005XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X000XX, SB-09-06X005XX, SB-09-06X010XX, SB-09-06X015XX, SB-09-06X020XX, FB-01-01, RB-01-01, TB-01-01, TB-02-01, and TB-03-01.

1. Case Narrative and COC review

Case Narrative (pg. 6 of data package) and COC (pgs. 3-5 of data package) present for all samples in this SDG.

2. Sample Collection, Preservation (Preserved with Hydrochloric Acid (HCl); Cool to 4 ºC), Holding time (14 days)

Samples analyzed for VOCs preserved with HCl; cooler temps 3.6ºC, 3.4ºC, 3.1ºC, per "Sample/Cooler Receipt Checklist" pg. 148 of Summary. Samples collected: 7/7/15; Samples Prepped and Analyzed: 7/8/15, 7/9/15, 7/10/15, 7/13/15, 7/14/15.

3. Instrument Tuning

Pg. 410, 7/6/15, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed.
Pg. 916, 7/9/15, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed
Pg. 1003, 7/6/15, Initial instrument tuning with 4-bromofluorobenzene (BFB) passed

Pg. 401, 7/8/15, Continuing Calibration Verification (CCV) with BFB tuning passed.
Pg. 875, 7/9/15, CCV with BFB tuning passed.
Pg. 885, 7/10/15/15, CCV with BFB tuning passed.
Pg. 894, 7/13/15, CCV with BFB tuning passed.
Pg. 907, 7/13/15/15, CCV with BFB tuning passed

4. Instrument Calibration

ICAL:
Pgs. 413-414, 7/7/15, Initial Instrument Calibration Response Factor report within range.
Pgs. 415-419, 7/7/15, Instrument Calibration Curves, linear regression, okay.
Pgs.919-920, 7/10/15, Initial Instrument Calibration Response Factor report within range.
Pgs. 921-930, 7/10/15, Instrument Calibration Curves, linear regression, okay.

Pgs.1007-1008, 7/7/15, Initial Instrument Calibration Response Factor report within range.
Pgs. 1008-1112, 7/7/15, Instrument Calibration Curves, linear regression, okay.

ICV:
Pgs. 411-412, 7/6/15, Initial Calibration Verification (ICV) Evaluate Continuing– no flags.

CCVs:
Pg. 404-405, 7/8/15, CCV with BFB, (within QC range) – no flags.

Pg. 876-877, 7/9/15, CCV with BFB, (within range) - no flags.

Pg. 886-887, 7/10/15, CCV with BFB, (within range) - no flags.

Pg. 893-994, 7/13/15, CCV with BFB, (within range) - no flags

Pg. 908-909, 7/13/15, CCV with BFB, (within range) - no flags.

5. Calibration range
Tetrachloroethane was reported outside of the calibration range for sample SB-09-05X000XX the positive sample result was qualified as estimated and flagged "J".

6. QC Blanks
Method Blanks:

Pgs. 154-155, 7/8/15, MB-209880, All ND.
Pgs. 195-196, 7/9/15, MB-209999, All ND.

Pgs. 203-204, 7/10/15, MB-210063, Methylene Chloride=5.36 ug/L x 10=53.6 ug/L.

Associated Samples:	Flag U (BL1)
SB-09-02X020XX	23 U
SB-09-03X000XX	17 U
SB-09-03X005XX	40 U
SB-09-03X010MD	18 U
SB-09-03X010MS	23 U
SB-09-03X010XX	22 U
SB-09-03X015XX	15 U
SB-09-04X000XX	17 U
SB-09-04X005XD	13 U
SB-09-04X005XX	16 U
SB-09-04X010XX	17 U
SB-09-04X015XX	16 U
SB-09-04X020XX	11 J – Raise to RL 18 U
SB-09-05X000XX	20 U
SB-09-05X005XX	29 U
SB-09-05X010XX	28 U
SB-09-05X015XD	43 U
SB-09-05X015XX	20 U

SB-09-06X000XX	18 U
SB-09-06X005XX	19 U

Pgs. 211-212, 7/13/15, MB-210095, All ND.

Field Blank

FB-01-01, pgs. 7-10, Methylene chloride=2.4 J ug/L x 10=24 ug/L.
Methylene chloride was not detected in the associated samples – no flags.

Rinse Blank

RB-01-01, pgs. 13-16, All ND.

Trip Blank

TB-01-01, pgs. 11-12, All ND.
TB-02-01, pgs. 17-18, All ND.
TB-03-01, pgs. 19-20, All ND.

7. Laboratory Control Sample (LCS) Results (Lab limits)

LCS-209880, pgs. 156-157, LCS within limits.

LCS-209999, pgs. 197-198,

Compound	LCS%Rec	Flag	Reason Code
1,2,4-Trichlorobenzene	172	J positive	LCS-H

1,2,4-Trichlorobenzene not detected – no flags.

LCS-210063, pgs. 205-206,

Compound	LCS%Rec	Flag	Reason Code
1,2,4-Trichlorobenzene	149	J positive	LCS-H

1,2,4-Trichlorobenzene not detected – no flags.

LCS-210095, pgs. 213-214, LCS within limits.

8. Internal Standards (50 - 200 %)

Pg. 402-403, 7/8/15, okay.
Pgs, 878-879, 7/9/15, okay.
Pgs. 888-889, 7/10/15, Pentachlorobenzene and 1,4-dichlorobenzene-d4 recoveries were below the lower QC limit. Positive and non-detect compound associated with pentachlorobenzene and 1,4-dichlorobenzene-d4 will be qualified as estimated and flagged "J/UJ".

Affected samples:SB-09-01X005XX and SB-09-06X005XX

Pgs. 897-898, 7/13/15, 1,4-dichlobenzene-d4 recovery was below the lower QC limit. Positive and non-detect compound associated with 1,4-dichlorobenzene-d4 will be qualified as estimated and flagged "J/UJ".

Affected samples: SB-09-01X000XX, SB-09-01X010XX, SB-09-02X000XX, SB-09-02X005XX, SB-09-02X005XD, SB-09-02X010XX, SB-09-02X015XX, SB-09-04X015XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X015XX, SB-09-06X020XX

9. Surrogate Recovery (70-128%)

All surrogates within lab limits.

10. Field Duplicate Precision (≤ 50 %)

SB-09-02X005XX/ SB-09-02X005XD

Compound	Sample	Duplicate	RPD	Flag
Methylene Chloride	25	21	17.4	none
Tetrachloroethene	11	8.8	22.2	none

SB-09-04X005XX/ SB-09-04X005XD

Compound	Sample	Duplicate	RPD	Flag
Methylene Chloride	16	13	20.7	none
Tetrachloroethene	5.6	100	179	J

SB-09-05X015XX/ SB-09-05X015XD

Compound	Sample	Duplicate	RPD	Flag
Methylene Chloride	20	43	73.0	UJ*
Tetrachloroethene	14	36	88.0	J

*Methylene chloride was already qualified as non-detect ("U" flagged) due to blank contamination.

11. Matrix Spike/Matrix spike Duplicate (MS/MSD) (50.2-156 %/RPD ≤ 19.3-26.5 %)

Pgs. 158-161, 1507508-003AMS/1507508-003AMSD, non-project sample.

Above MS/MSD were within QC limits.

Pgs. 199-202, 1507504-034AMS/1507504-034AMSD, project sample SB-09-06X005XX. The following VOCs were outside QC limits:

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
1,2,4-Trichlorobenzene	141	145	2.24	none	not detected

Pgs. 207-210, 1507504-025AMS/1507504-025AMSD, project sample SB-09-04X010XX. The following VOCs were outside QC limits:

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
1,2,4-Trichlorobenzene	145	134	7.83	none	not detected

Pgs. 214-218, 1507504-015AMS/1507504-015AMSD, project sample SB-09-02X020XX. The following VOCs were outside QC limits:

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
1,1,1-Trichloroethane	67.6	64.0	5.5	UJ	MS-L
1,2-Dichloroethane	68.1	63.7	6.58	UJ	MS-L
Bromodichloromethane	72.8	67.5	7.53	UJ	MS-L
Chloroform	69.4	65.6	5.54	UJ	MS-L

12. Raw Calculations

Not required for Level II or Level III

13. Electronic Data Review

Ten percent of the EDD results for VOCs (samples SB-09-01X000XX, SB-09-03X015XX, SB-09-05X005XX, SB-09-06X020XX) were compared to the laboratory data report to confirm accuracy of the EDD. Results listed in summary package were confirmed in the EDD.

DATA VALIDATION RECORD

Method SW8270D for SVOCs
Project Name and No: RBTC Fountain Inn; 6251121007
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1507504
Data Validation Level: II (10% of samples Level III)
Date: 8/3/15
Reviewer: L. Clem Senior Reviewer: Daniel Howard 8/17/15
Samples Reviewed: SB-09-01X000XX, SB-09-01X005XX, SB-09-01X010XX, SB-09-01X015XX, SB-09-02X000XX, SB-09-02X005XX, SB-09-02X005XD, SB-09-02X010XX, SB-09-02X015XX, SB-09-02X020XX, SB-09-03X000XX, SB-09-03X005XX, SB-09-03X010XX, SB-09-03X010MS, SB-09-03X010MD, SB-09-03X015XX, SB-09-04X000XX, SB-09-04X005XX, SB-09-04X005XD, SB-09-04X010XX, SB-09-04X015XX, SB-09-04X020XX, SB-09-05X000XX, SB-09-05X005XX, SB-09-05X010XX, SB-09-05X015XX, SB-09-05X015XD, SB-09-06X000XX, SB-09-06X005XX, SB-09-06X010XX, SB-09-06X015XX, SB-09-06X020XX, FB-01-01, and RB-01-01.

1. Case Narrative and COC review

Case Narrative (pg.6 of summary) & COC (pgs. 3-5 of Summary) present for all samples in this SDG.

2. Sample Collection, Preservation (Unpreserved; Cool to 4 °C), Holding time (7 days : 40 days analyzed)

Samples analyzed for SVOCs soil unpreserved cooler temps 3.6ºC, 3.4ºC, 3.1ºC per "Sample/Cooler Receipt Checklist" pg. 148 of Summary. Samples collected: 7/7/15; Samples Prepped and Analyzed: 7/8/15, 7/10/15.

3. Instrument Tuning

Pg. 295, 11/13/14, ICAL and ICV, Initial instrument tuning with decafluorotriphenylphosphine (DFTPP) passed.

Pg. 244, 7/10/15, CCV with DFTPP tuning passed.

4. Instrument Calibration

ICAL:
Pgs. 256-258, 11/13/14, Initial Instrument Calibration Response Factor report within range.

ICV: QC limit = 30% D

Pgs.262-264, 11/13/14, Initial Calibration Verification (ICV). All compounds are within range for the ICV – no flags.
Pgs.265-267, 11/13/14, Initial Calibration Verification (ICV). All compounds are within range for the ICV – no flags.

CCVs: QC limit = 20% D (80-120%)

Pgs. 234-236, 7/10/15, Continuing Calibration Verification (CCV). All compounds are within range for the ICV – no flags.
Pgs. 237-239, 7/10/15, Continuing Calibration Verification (CCV). All compounds are within range for the ICV – no flags.

5. QC Blanks

Method Blanks:

Pgs. 162-164, MB-209882, All ND.
Pgs. 173-175, MB-209963, All ND.
Pgs. 184-186, MB-209964, All ND.

Field Blank

Pgs. 7-10, FB-01-01, Caprolactum=130 µg/L x 5 = 650 µg/L.
Caprolactum was not detected in associated samples – no flags.

Rinse Blank

Pgs. 13-16, RB-01-01, All ND.

Trip Blank

Trip blanks not analyzed for SVOCs.

6. Laboratory Control Sample (LCS) Results (Lab limits) 70-130%

Pgs. 164-167, LCS-209882, Hexachlorobutadiene = 61.0%.

Hexachlorobutadiene results for samples FB-01-01 and RB-01-01 were considered estimated possibly biased low due to low LCS/LCSD recoveries and flagged "UJ".

Pgs. 175-178, LCS-209963, LCS within limits.
Pgs. 186-189, LCS-209964, LCS within limits.

7. Internal Standards (50 - 200 %)

Internal standards not included for SVOCs.

8. Surrogate Recovery (Lab limits)

All surrogates within lab limits.

9. Field Duplicate Precision (≤ 50 %)

The SVOC results for parent and duplicate sample pairs SB-09-02X005XX / SB-09-02X005XD, SB-09-04X005XX/ SB-09-04X005XD, and SB-09-05X015XX / SB-09-

05X015XD were non-detect, so Relative Percent Difference calculations could not be made.

10. Matrix Spike/Matrix spike Duplicate (MS/MSD) (lab limits/RPD ≤ 20 %)

1507504-001BMS/1507504-001BMS D, pgs. 167-172, project sample FB-01-01. The following SVOCs were outside QC limits.

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
2,4-Dimethylphenol	48.8	60.1	52.18	UJ	MS-RPD
2-Chlorophenol	46.1	56.2	19.8	UJ	MS-L
Hexachlorobutadiene	42.1	49.5	16.3	UJ	MS-L

1507504-007BMS/1507504-007BMSD, pgs. 178-183, project sample SB-09-01X005XX. The following SVOCs were outside QC limits.

Compound	MS%Rec	MSD%Rec	%RPD	Flag	Reason Code
Benzo(a)pyrene	34.8	43.1	21.2	UJ	MS-L
Di-n-octyl phthalate	30.9	35.3	13.3	UJ	MS-L
Fluoranthene	36.6	42.8	15.7	UJ	MS-L
Hexachlorobutadiene	122	138	15.7	none	not detected

1507504-026BMS/1507504-026BMS D, pgs. 189-194, project sample SB-09-04X015XX. The MS/MSD were within QC limits.

11. Raw Calculations

Not required for Level II or Level III.

12. Electronic Data Review

Ten percent of the EDD results for VOCs (samples FB-01-01, SB-09-03X015XX, SB-09-05X005XX, SB-09-06X020XX) were compared to the laboratory data report to confirm accuracy of the EDD. Results listed in summary package were confirmed in the EDD.

DATA VALIDATION RECORD

Method SW8260B for VOCs
Project Name and No: RBTC Fountain Inn; 6251121007.03.01
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1507G75
Data Validation Level: II
Date: 8/5/2015
Reviewer: L. Clem Senior Reviewer: Daniel Howard 8/10/15
Samples Reviewed: MW-09-07X000XX, MW-09-08X000XX, MW-09-25X000XX, FB-01, and TB-01.

1. Case Narrative and COC review

Case Narrative (pg. 3 of data package) and COC (pg. 2 of data package) present for all samples in this SDG. It was noted in the Case Narrative that the second vial for sample TB-01 (1507G75-001A) was received with headspace present.

2. Sample Collection, Preservation (Preserved with Hydrochloric Acid (HCl); Cool to 4 ºC), Holding time (14 days)

Samples analyzed for VOCs preserved with HCl; cooler temps 3.9ºC, per "Sample/Cooler Receipt Checklist" pg. 14 of Summary. Samples collected: 7/17/15; Samples Prepped and Analyzed: 7/25/15, 7/26/15, 7/27/15.

3. Instrument Tuning

Not required for Level II.

4. Instrument Calibration

Not required for Level II.

5. QC Blanks
Method Blanks:

Pgs. 15-16, 7/25/15, MB-210626, All ND.

Field Blank

FB-0-01, pgs. 6-7, All ND.

Rinse Blank

Rinse Blank not included in this SDG.
Trip Blank

TB-01, pgs. 4-5, All ND.

6. Laboratory Control Sample (LCS) Results (Lab limits)

LCS-210626, pgs. 17-18, LCS within limits.

7. Internal Standards (50 - 200 %)

Not required for Level II.

8. Surrogate Recovery (70-128%)

All surrogates within lab limits.

9. Field Duplicate Precision (≤ 50 %)

Field Duplicates not included in this SDG.

10. Matrix Spike/Matrix spike Duplicate (MS/MSD) (50.2-156 %/RPD ≤ 19.3-26.5 %)

Pgs. 18-19, 1507G94-001AMS/1507G94-001AMS D, non-project sample.

Above MS/MSD were within QC limits.

11. Raw Calculations

Not required for Level II or Level III.

12. Electronic Data Review

Ten percent of the EDD results for VOCs (sample MW-09-07X000XX) were compared to the laboratory data report to confirm accuracy of the EDD. Results listed in summary package were confirmed in the EDD.

DATA VALIDATION RECORD

Method SW8270D for SVOCs
Project Name and No: RBTC Fountain Inn; 6251121007
Laboratory and SDG: Analytical Environmental Services, Inc. (AES), 1511L22
Data Validation Level: II
Date: 1/4/16
Reviewer: L. Clem Senior Reviewer: Daniel Howard 1/5/2016
Samples Reviewed: SS-07-04X000XX, SS-07-05X000XX, SS-07-06X000XX, SS-07-07X000XX, SS-07-08X000XX, and 8FB-01-001.

1. Case Narrative and COC review

COC (pg. 2 of Summary) present for all samples in this SDG.

2. Sample Collection, Preservation (Unpreserved; Cool to 4 °C), Holding time (7 days : 40 days analyzed)

Samples analyzed for SVOCs soil unpreserved cooler temp 2.6ºC per "Sample/Cooler Receipt Checklist" pg. 9 of Summary. Samples collected: 11/20/15; Samples Prepped and Analyzed: 11/25/15.

3. Instrument Tuning

Not required for Level II.

4. Instrument Calibration

Not required for Level II.

5. QC Blanks
Method Blanks:
Pg. 11, 11/23/15, MB-216306, All ND.
Pg. 15, 11/24/15, MB-216337, All ND.

Field Blank

Pg. 3, 8FB-01-001, All ND.

Rinse Blank

Rinse blank not included in this SDG.

Trip Blank

Trip blanks not included in this SDG.

6. Laboratory Control Sample (LCS) Results (Lab limits) 70-130%

Pgs. 11-12, LCS-216306, LCS within limits.
Pgs. 15-16, LCS-216337, LCS within limits.

7. Internal Standards (50 - 200 %)

Not required for Level II.

8. Surrogate Recovery (Lab limits)

All surrogates within lab limits.

9. Field Duplicate Precision (≤ 50 %)

Field duplicates not included in this SDG.

10. Matrix Spike/Matrix spike Duplicate (MS/MSD) (lab limits/RPD ≤ 20 %)

Pgs. 12-14, 1511H25-005AMS/1511H25-005AMSD, non-project sample 1511H25-005A.
Pgs. 16-18, 1511L77-001BMS/1511L77-001BMSD, non-project sample 1511L77-001B.

The above MS/MSD were within QC limits.

11. Raw Calculations

Not required for Level II.

12. Electronic Data Review

Ten percent of the EDD results for VOCs (sample SS-07-07X000XX) were compared to the laboratory data report to confirm accuracy of the EDD. Results listed in summary package were confirmed in the EDD.

APPENDIX J

WASTE DISPOSAL MANIFESTS

Box A004 out

0095746

Manifest #01

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: A&D Environmental Services (SC), LLC
Address: 1741 Calks Ferry Road
City: Lexington County: Lexington
State: SC Zip: 29070
Site Location (if different): 800 Woodside Drive
Greenville, SC Job #215935

CUSTOMER/BILLING INFORMATION

Billing Name: A&D Environmental Services (SC), LLC
Address: 1741 Calks Ferry Rd
City: Lexington County:
State: SC Zip: 29073

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
3115111575	Contaminated Soil		1/10/2017	Dump Truck

* Attach additional sheet if necessary

I hereby certify that the above described materials are non hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Bill Atkins — Authorized Agent Name
Signature
02/25/15 — Date Delivered

TRANSPORTER INFORMATION

Transporter Name: A&D Environmental
Address: 1741 Calks Ferry Rd
City: Lexington County:
State: SC Zip: 29073

DOT #: 559735
Truck Number: 0187
Phone Number: 803.957.9175

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge

Doug Johnson — Authorized Agent Name
Signature
2-26-15 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Republic Services - Union County Regional Landfill
Address: 868 Wildcat Road
City: Enoree County: Union
State: SC Zip: 29335
Phone Number: (864) 969-4460

I hereby acknowledge receipt of the above described materials

Name (print or Type):
Signature:
Date Received: 2-26-15

SITE
UPSTATE REGIONAL MSW LANDFILL
868 Wildcat Road
Enoree, SC 29335 864-969-4460

CUSTOMER
000723
A & D ENVIRONMENTAL SERVICES - NO FEES
P.O. BOX 484
3115111575

SITE	TICKET #	CELL
01	971140	00225

WEIGHMASTER: Rhonda F.

DATE/TIME IN	DATE/TIME OUT
02-26-2015 12:12 pm	02-26-2015 12:46 pm

VEHICLE	CONTAINER
A&D18720YD	

REFERENCE: INVOICE

BILL OF LADING: 22615-1

SCALE IN	GROSS WEIGHT	63,320	NET TONS	12.66	
SCALE OUT	TARE WEIGHT	38,000	NET WEIGHT	25,320	INBOUND

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	TRACKING QTY				
12.66	TN	SW-CONT SOIL W/FUEL LEXINGTON CO SC				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12) 2/21

SIGNATURE _____

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
216143		1	803-957-9175	31731

Generator's Name and Mailing Address
KISTC
800 Woodside Drive
Fountain Inn, SC 29644

Generator's site address (if different from mailing address)

Transporter	Company Name	US EPA ID No
Transporter 1 ☐ 2 ☐	A&D Environmental Services, Inc.	NCD986232221
Transporter 1 ☑ 2 ☐	A&D Environmental Services (SC), LLC	SCD987598331

☐ Designated Facility	☐ Designated Facility	☐ Designated Facility	☑ Designated Facility
A&D Environmental Services, Inc. 2718 Uwharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	A&D Environmental Services, Inc. 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000138628	A&D Environmental Services (SC), LLC 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331	A&D Environmental Services (SC), LLC 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055

HM	Hazardous Materials Shipping Name and Description (if applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated Liquids	1	TT	900	G	

	Petroleum Products for Recycle	No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III ERG# 128					
X	UN1203, Gasoline, 3, II ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)					
	Petroleum Contact Water (Not a USDOT Hazardous Material)					

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (if applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III ERG# 172	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II ERG# 171	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III ERG# 154	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III ERG# 154	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III ERG# 154	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	Alkaline Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e)	Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)	Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)	Electronics	

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed / Typed Name	Signature	Month	Day	Year
Generator's/Offeror's Printed / Typed Name: [illegible]	[signature]			
Transporter 1 Printed / Typed Name: Terry Green	[signature]	4	8	15
Transporter 2 Printed / Typed Name:				

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed / Typed Name	Signature	Month	Day	Year

GENERATOR'S/SHIPPER'S INITIAL COPY

A&DF100193

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: A&D Environmental Services (SC), LLC
Address: 1741 Calks Ferry Road
City: Lexington County: Lexington
State: SC Zip: 29070
Site Location (if different): 800 Woodside Drive
Greenville, SC Job #216845

CUSTOMER/BILLING INFORMATION

Billing Name: A&D Environmental Services (SC), LLC
Address: 1741 Calks Ferry Rd
City: Lexington County:
State: SC Zip: 29073

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
3115111575	Contaminated Soil	10 Tons	1/10/2017	Dump Truck

* Attach additional sheet if necessary

I hereby certify that the above described materials are non hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Bill Atkins — Authorized Agent Name
Signature
7/29/15 — Date Delivered

TRANSPORTER INFORMATION

Transporter Name: A&D Environmental
Address: 1741 Calks Ferry Rd
City: Lexington County:
State: SC Zip: 29073

DOT #: 559735
Truck Number: 8-201
Phone Number: 803.957.9175

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge

Alan Gilstrap — Authorized Agent Name
Signature
7-29-15 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Republic Services - Union County Regional Landfill
Address: 868 Wildcat Road
City: Enoree County: Union
State: SC Zip: 29335
Phone Number: (864) 969-4460

I hereby acknowledge receipt of the above described materials

Name (print or Type):
Signature:
Date Received: 7-29-15

SITE
UPSTATE REGIONAL MSW LANDFILL
868 Wildcat Road
Pacolet, SC 29336 864-969-4460

CUSTOMER
C00723
A & D ENVIRONMENTAL SERVICES - NO FEES
P.O. BOX 484
3215311575

SITE	TICKET #	CELL
01	988594	00335

WEIGHMASTER
Wanda P.

DATE/TIME IN	DATE/TIME OUT
07-29-2016 9:39 am	07-29-2016 9:39 am

VEHICLE
A&D20L20YD

CONTAINER

REFERENCE
72315-1 INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	49,600	NET TONS	7.18	
TARE OUT	TARE WEIGHT	35,240	NET WEIGHT	14,360	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	TRACKING QTY				
7.18	TN	SW-CONT SOIL W/FUEL LEXINGTON CO SC				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F043UPR (07/12) 2/2

A&D Environmental Services — Bill of Lading / Material Manifest

A&D Job No:	Generator ID Number	Page 1 of	Emergency Response Phone	Tracking Number
247794		1	803-457-9176	17682

Generator's Name and Mailing Address: RBTC, 800 Woodside Drive, Fountain Inn, SC

Generator's site address (if different from mailing address)

Transporter 1 ☐ 2 ☐ Company Name	A&D Environmental Services, Inc.	US EPA ID No: NCD986232221
Transporter 1 ☑ 2 ☐ Company Name	A&D Environmental Services (SC), LLC	US EPA ID No: SCD987598331

☑ Designated Facility	☐ Designated Facility	☐ Designated Facility	☐ Designated Facility
A&D Environmental Services, Inc. 2718 Uwharrie Road Archdale, NC 27263 336-434-7750 NCD986232221	A&D Environmental Services, Inc. 3149 Lear Drive Burlington, NC 27215 336-229-0058 NCR000136628	A&D Environmental Services (SC), LLC 1741 Calks Ferry Road Lexington, SC 29073 803-957-9175 SCD987598331	A&D Environmental Services (SC), LLC 1321 White Horse Road, Suite C Greenville, SC 29605 864-234-6055

HM	Hazardous Materials Shipping Name and Description (If applicable)	No.	Type	QTY	Wt/Vol	Profile Number
	Non-Hazardous, Non-Regulated. Liquids	1	TT	100	G	

	Petroleum Products for Recycle		No.	Type	QTY	Wt/Vol	Profile Number
X	NA1993, Diesel fuel, 3, III	ERG# 128					
X	NA1993, Fuel oil (No.1,2,4,5 or 6), 3, III	ERG# 128					
X	UN1203, Gasoline, 3, II	ERG# 128					
	USED OIL (Not a USDOT Hazardous Material)						
	Petroleum Contact Water (Not a USDOT Hazardous Material)						

Universal Waste Lamps, Batteries, Ballasts, and Electronics for Recycle

HM	No.	Type	Est. Wt.	Count	Shipping Name and Description (If applicable)	Common Name	Discrepancy
X					RQ, UN2809, Mercury contained in manufactured articles, 8, III ERG# 172	Mercury Containing Articles	
X					RQ, UN3432, Polychlorinated biphenyls, solid, 9, II ERG# 171	TSCA Exempt PCB Lamp Ballasts	
X					UN2800, Batteries, wet, nonspillable, 8, III ERG# 154	Sealed Lead Acid Batteries	
X					UN2794, Batteries, wet, filled with acid, 8, III ERG# 154	Lead Acid Batteries	
X					UN2795, Batteries, wet, filled with alkali, 8, III ERG# 154	Wet NiCad Batteries	
X					UN3090, Lithium batteries, 9, II ERG# 138	Lithium Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	Alkaline Batteries	
X					UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III ERG# 154	NiCad Batteries	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Fluorescent lamps 4' or <	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Fluorescent lamps 4'	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Circular/U-tube lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Compact Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Shattershield	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	HID/MV/UV Lamps	
					Universal Waste Lamps (Not DOT-Regulated per 49 CFR 173.164(e))	Incandescent Lamps	
					Non-PCB Light Ballasts for Recycle (Not DOT-Regulated)	Non-PCB Light Ballasts	
					Electronic Equipment for Recycle (Not DOT-Regulated)	Electronics	

Generator's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40CFR Part 261 or any applicable state law, and unless specifically identified above the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Zach Downes	Zach	03	11	16
Transporter 1 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Luis Ocampo	Luis Ocampo	03	11	16
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

Discrepancy Indication / Additional Information:

Designated Facility Certification: I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy indicated above.

Printed/Typed Name	Signature	Month	Day	Year

APPENDIX K

RISK TABLES

TABLE K.1.1

SELECTION OF ON-SITE EXPOSURE PATHWAYS

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current	Surface Soil	Soil	Commercial / Industrial Land Use	Site Worker	Adult	Ingestion	Quant	Current and future onsite workers may incidentally ingest surface soil.
				Site Worker	Adult	Dermal	Quant	Current and future onsite workers may come in contact with surface soil.
		Particulates	Fugitive Dust	Site Worker	Adult	Inhalation	Quant	Current and future onsite workers may inhale soil particulates.
Current/Future	Groundwater	Groundwater	Tap Water	Site Worker	Adult	Ingestion	Quant	Goundwater not currently used as potable water currently. Future groundwater usage as potable water assumed.
				Site Worker	Adult	Dermal	Quant	Goundwater not currently used as potable water currently. Future groundwater usage as potable water assumed.
		Air	Indoor Air	Site Worker	Adult	Inhalation	Quant	Volatiles in groundwater may migrate to indoor air.
Current/Future	Surface Soil	Soil	Trespasser	Trespasser	Youth	Ingestion	Quant	Current and future onsite trespassers may incidentally ingest surface soil.
				Trespasser	Youth	Dermal	Quant	Current and future onsite trespassers may come in contact with surface soil.
		Particulates		Trespasser	Youth	Inhalation	Quant	Current and future onsite trespassers may inhale soil particulates.
Future	Surface and Subsurface Soil	Soil	Construction / Intrusive activities	Construction Worker	Adult	Ingestion	Quant	Contact during future construction is possible.
				Construction Worker	Adult	Dermal	Quant	Contact during future construction is possible.
		Particulates	Fugitive Dust	Construction Worker	Adult	Inhalation	Quant	Contact during future construction is possible.
Future	Groundwater	Groundwater	Incidental Contact	Construction Worker	Adult	Ingestion	Quant	Groundwater depths vary. There is some potential for incidential contact.
				Construction Worker	Adult	Dermal	Quant	Groundwater depths vary. There is some potential for incidential contact.
Future	Surface and Subsurface Soil	Soil	Commercial / Industrial Land Use	Site Worker	Adult	Ingestion	Quant	Soil at depth could be brought to the ground surface during construction/utility work in the future.
				Site Worker	Adult	Dermal	Quant	Soil at depth could be brought to the ground surface during construction/utility work in the future.
		Particulates	Fugitive Dust	Site Worker	Adult	Inhalation	Quant	Soil at depth could be brought to the ground surface during construction/utility work in the future.
Future	Surface and Subsurface Soil	Soil	Trespasser	Trespasser	Youth	Ingestion	Quant	Soil at depth could be brought to the ground surface during construction/utility work in the future.
				Trespasser	Youth	Dermal	Quant	Soil at depth could be brought to the ground surface during construction/utility work in the future.
		Particulates		Trespasser	Youth	Inhalation	Quant	Soil at depth could be brought to the ground surface during construction/utility work in the future.
Future	Surface and Subsurface Soil	Soil	Residential Land Use	Resident	Child/Adult	Ingestion	Quant	Residential land use evaluated for risk management purposes. Soil at depth could be brought to the ground surface during future construction/utility work.
				Resident	Child/Adult	Dermal	Quant	Residential land use evaluated for risk management purposes. Soil at depth could be brought to the ground surface during future construction/utility work.
		Particulates	Fugitive Dust	Resident	Child/Adult	Inhalation	Quant	Residential land use evaluated for risk management purposes. Soil at depth could be brought to the ground surface during future construction/utility work.
Future	Groundwater	Groundwater	Tap Water	Resident	Child/Adult	Ingestion	Quant	Use of groundwater as a potable water source evaluated for risk management purposes.
				Resident	Child/Adult	Dermal	Quant	Use of groundwater as a potable water source evaluated for risk management purposes.
		Air	Water vapors while using groundwater indoors	Resident	Child/Adult	Inhalation	Quant	Use of groundwater as a potable water source evaluated for risk management purposes.
		Air	Indoor Air	Resident	Child/Adult	Inhalation	Quant	Volatiles in groundwater may migrate to indoor air.

Quant = Quantitatively evaluated.

Prepared by: LWC 2/17/16

Checked by: LMS 3/1/16

TABLE K.1.2

SELECTION OF OFF-SITE EXPOSURE PATHWAYS

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current/Future	Surface Water	Surface Water	Commercial / Industrial Land Use	Site Worker	Adult	Dermal	Quant	Dermal contact while working in/near surface water.
Current/Future	Surface Water	Surface Water	Trespasser	Trespasser	Youth	Dermal	Quant	Dermal contact while trespassing in surface water.
Future	Surface Water	Surface Water	Construction / Intrusive activities	Construction Worker	Adult	Dermal	Quant	Dermal contact while working in/near surface water.
Future	Surface Water	Surface Water	Recreational use of Surface Water	Resident	Child/Adult	Dermal	Quant	Dermal contact while walking in/near surface water.
Current/Future	Groundwater	Groundwater	Tap Water	Site Worker	Adult	Ingestion	Quant	Goundwater not used as potable water currently. Future groundwater usage as potable water assumed.
				Site Worker	Adult	Dermal	Quant	Goundwater not used as potable water currently. Future groundwater usage as potable water assumed.
		Air	Indoor Air	Site Worker	Adult	Inhalation	Quant	Volatiles in groundwater may migrate to indoor air.
Future	Groundwater	Groundwater	Incidental Contact	Construction Worker	Adult	Ingestion	Quant	Groundwater depths vary. There is some potential for incidental contact.
				Construction Worker	Adult	Dermal	Quant	Groundwater depths vary. There is some potential for incidental contact.
Future	Groundwater	Groundwater	Tap Water	Resident	Child/Adult	Ingestion	Quant	Residential land use and groundwater usage as potable water evaluated for risk management purposes.
				Resident	Child/Adult	Dermal	Quant	Residential land use and groundwater usage as potable water evaluated for risk management purposes.
		Air	Water vapors while using groundwater indoors	Resident	Child/Adult	Inhalation	Quant	Residential land use and groundwater usage as potable water evaluated for risk management purposes.
		Air	Indoor Air	Resident	Child/Adult	Inhalation	Quant	Volatiles in groundwater may migrate to indoor air.

Quant = Quantitatively evaluated.

Prepared by: LWC 2/17/16

Checked by: LMS 3/1/16

TABLE K.2.1
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #1
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 1															
	67641	Acetone	0.022	0.35	mg/kg	TS-4	4/4	0.020 - 0.023	0.35	NA	6,100 N	**0.29 N**	SSL	N	BSL
	84662	Diethyl phthalate	0.63	0.63	mg/kg	TS-2	1/4	0.38 - 0.42	0.63	NA	5,100 N	**0.61 N**	SSL	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
bgs = below ground surface
C = Carcinogenic
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable
SSL = Risk-based Soil Screening Levels from November 2015 Risk-Based RSL table (using a Dilution Attenuation Factor [DAF] of 1).
Bold values indicate excedance by concentration used for screening.

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.2
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #1
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Subsurface Soil (1-15 feet bgs)
Exposure Medium: Subsurface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
Soil at AOC 1															
	67641	Acetone	0.127	242	mg/kg	HA-1	9/16	0.21-10	242	NA	6,100 N	**0.29 N**	SSL	N	BSL
	78933	2-Butanone	0.014	0.014	mg/kg	B-1	1/4	0.010 - 0.011	0.014	NA	2,700 N	0.12 N	SSL	N	BSL

(1) Includes Soil Boring (SB) samples collected from 1 to 15 foot below ground surface (bgs).
(2) Maximum detected concentration used for screening.
(3) To date, a site-specific background study has not been conducted.
(4) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(5) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
bgs = below ground surface
C = Carcinogenic
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable
SSL = Risk-based Soil Screening Levels from November 2015 Risk-Based RSL table (using a Dilution Attenuation Factor [DAF] of 1).
Bold values indicate excedance by concentration used for screening.

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.3
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #2
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
Soil at AOC 2	14797558	Nitrate	0.52	2.1	mg/kg	SS-3	4/11	0.20 - 0.21	2.1	NA	13,000 N	NA	NA	N	BSL

(1) Includes Soil Boring (SB) samples collected from 1 to 6 foot below ground surface (bgs).
(2) Maximum detected concentration used for screening.
(3) To date, a site-specific background study has not been conducted.
(4) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(5) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
bgs = below ground surface
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.4
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #2
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Subsurface Soil (1-15 feet bgs)
Exposure Medium: Subsurface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier) (1)	Maximum Concentration (Qualifier) (1)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (N/C) (4)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
Soil at AOC 2															
	14797558	Nitrate	0.52	280	mg/kg	SS-22	13/21	0.22-5.0	280	NA	13,000 N	NA	NA	N	BSL
	14797650	Nitrite	0.28	66	mg/kg	SS-22	11/21	0.24-1.3	66	NA	780 N	NA	NA	N	BSL

(1) Includes Soil Boring (SB) samples collected from 1 to 6 foot below ground surface (bgs).
(2) Maximum detected concentration used for screening.
(3) To date, a site-specific background study has not been conducted.
(4) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(5) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
bgs = below ground surface
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.5
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #2
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Tap Water (use of AOC 2 groundwater as potable water source)	7440393	Barium	242	242	µg/L	MW-02-24	1/1	20	242	NA	380 N	2,000	MCL	NA	NA	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for tap water based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level

MCL = Maxiumum Contaminant Level
µg/L = micrograms per liter
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.6
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #3
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 3															
	7440382	**Arsenic**	2.1	2.1	mg/kg	MB-3	1/3	0.31 - 0.32	2.1	ND - 210	**0.68 C**	**0.0015 N**	SSL (6)	**Y**	**ASL**, TCLP As ND
	7440393	Barium	25	31	mg/kg	MB-1	3/3	1.6	31	ND - 370	1,500 N	**16 N**	SSL (7)	N	BSL
	7440473	Chromium (total)	68	180	mg/kg	MB-2	3/3	0.31 - 0.32	180	ND - 140	**0.30 C (5)**	**0.00067 C (5)**	SSL (8)	N	CrVI ND
	7439921	Lead	14	28	mg/kg	MB-1	3/3	0.31 - 0.32	28	ND - 200	400	**14**	SSL (9)	N	BSL
	7440020	Nickel	30	73	mg/kg	MB-3	3/3	2.5	73	ND - 47	150 N	**2.6 N**	SSL	N	BSL

(1) Maximum detected concentration used for screening.
(2) South Carolina range from Table 2 in "Elements in South Carolina Inferred Background Soil and Stream Sediment Samples."
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) Value for hexavalent chromium (CrVI) used as surrogate; RSL value for chromium III is 12,000 mg/kg.
(6) SSL based on the Maximum Contaminant Level (MCL) for Arsenic is 0.29 mg/kg.
(7) SSL based on the MCL for Barium is 82 mg/kg.
(8) SSL based on the MCL for Total Chromium is 180,000 mg/kg.
(9) SSL based on the MCL for Lead.
As = Arsenic
bgs = below ground surface
C = Carcinogenic
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable
ND = Not Detected
SSL = Risk-based Soil Screening Levels from November 2015 Risk-Based RSL table (using a Dilution Attenuation Factor [DAF] of 1).
TCLP = Toxicity Characteristic Leachate Procedure
Bold values indicate excedance by concentration used for screening.

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.7
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #3
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Tap Water (use of AOC 3 groundwater as potable water source)	7440393	Barium	10.3 J	24.1	µg/L	MW-03-21	2/2	1.3	24.1	NA	380 N	2,000	MCL	NA	NA	N	BSL
	7440473	**Chromium (total)**	2.3 J	2.3 J	µg/L	MW-03-20	1/2	0.30	2.3 J	NA	**0.035 C (5)**	100	MCL	NA	NA	**Y**	**ASL**

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for tap water based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) Value for hexavalent chromium (Cr VI) used as surrogate. RSL for trivalent chromium (Cr III) is 2,200 µg/L.
C = Carcinogenic
MCL = Maxiumum Contaminant Level
µg/L = micrograms per liter
J = Estimated Value
N = Noncarcinogenic
NA = Not Applicable
Bold values indicate excedance by concentration used for screening.

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.8
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #4
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 4															
	67641	Acetone	0.027	0.027	mg/kg	SM-3	1/4	0.016 - 0.021	0.027	NA	6,100 N	0.29 N	SSL	N	BSL
	117817	Bis(2-ethylhexyl)phthalate	0.44	0.44	mg/kg	SM-1	1/4	0.38 - 0.42	0.44	NA	39 C	1.3 N	SSL (5)	N	BSL
	84662	Diethyl phthalate	3.3	56	mg/kg	SM-1	2/4	0.38 - 4.1	56	NA	5,100 N	**0.61 N**	SSL	N	BSL
	7440393	Barium	27	44	mg/kg	SM-4	4/4	1.5 - 1.6	44	ND - 370	1,500 N	**16 N**	SSL (6)	N	BSL
	7440439	Cadmium	0.16	0.16	mg/kg	SM-3	1/4	0.11 - 0.13	0.16	ND - 17	7.1 N	**0.069 N**	SSL (7)	N	BSL
	7440473	**Chromium**	21	140	mg/kg	SM-1	4/4	0.28 - 0.32	140	ND - 140	**0.30 C**	**0.00067 C**	SSL (8)	**Y**	**ASL**
	7439921	Lead	23	30	mg/kg	SM-1	4/4	0.10 - 0.32	30	ND - 200	400	**14**	SSL (9)	N	BSL
	7440020	Nickel	9.2	27	mg/kg	SM-1	4/4	2.3 - 2.5	27	ND - 47	150 N	**2.6 N**	SSL	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) SSL based on the Maximum Contaminant Level (MCL) for Bis(2-ethylhexyl)phthalate is 1.4 mg/kg.
(6) SSL based on the MCL for Barium is 82 mg/kg.
(7) SSL based on the MCL for Cadmium is 0.38 mg/kg.
(8) SSL based on the MCL for Total Chromium is 180,000 mg/kg.
(9) SSL based on the MCL for Lead.
bgs = below ground surface
C = Carcinogenic
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable
SSL = Risk-based Soil Screening Levels from November 2015 Risk-Based RSL table (using a Dilution Attenuation Factor [DAF] of 1).
Bold values indicate excedance by concentration used for screening.

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.9
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #4
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Subsurface Soil (1-2 feet bgs)
Exposure Medium: Subsurface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 4	75092	Methylene Chloride	0.0089 J	0.011 J	mg/kg	SB-04-03X002XX	3/3	0.014 - 0.016	0.011 J	NA	35 N	**0.0027 N**	SSL (5)	N	BSL
	7440473	**Chromium**	19	19	mg/kg	SM-1A	1/1	0.28 - 0.32	19	ND - 140	**0.30 C**	**0.00067 C**	SSL (6)	**Y**	**ASL**

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) SSL based on the Maximum Contaminant Level (MCL) for Methylene Chloride is 0.0013 mg/kg.
(6) SSL based on the MCL for Total Chromium is 180,000 mg/kg.
bgs = below ground surface
C = Carcinogenic
J = Estimated value
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable
SSL = Risk-based Soil Screening Levels from November 2015 Risk-Based RSL table (using a Dilution Attenuation Factor [DAF] of 1).
Bold values indicate excedance by concentration used for screening.

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.10
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #4
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Tap Water (use of AOC 4 groundwater as potable water source)	7440393 7439976	Barium Mercury	64.8 0.16 J	76.4 0.16 J	µg/L µg/L	MW-04-22 MW-04-23	2/2 1/2	1.3 0.04	76.4 0.16 J	NA NA	380 N 0.57 N (5)	2,000 2.0	MCL MCL	NA **0.089**	NA VISL	N N	BSL BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for tap water based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) Value for mercuric chloride used as surrogate.
C = Carcinogenic
J = Estimated value
MCL = Maxiumum Contaminant Level
µg/L = micrograms per liter
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.11
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #5
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 5															
	67641	Acetone	0.025	0.025	mg/kg	ED-3	1/4	0.020 - 0.021	0.025	NA	6,100 N	0.29 N	SSL	N	BSL
	117817	Bis(2-ethylhexyl)phthalate	1	1	mg/kg	ED-1	1/4	0.35 - 0.36	1.000	NA	39 C	1.3 N	SSL (5)	N	BSL
	85687	Butylbenzyl phthalate	0.62	0.62	mg/kg	ED-1	1/4	0.35 - 0.36	0.62	NA	290 C	**0.24 C**	SSL	N	BSL
	84742	Di-n-butyl phthalate	5.1	5.1	mg/kg	ED-1	1/4	0.35 - 0.36	5.1	NA	630 N	**0.23 N**	SSL	N	BSL
	84662	Diethyl phthalate	0.42	16	mg/kg	ED-1	3/4	0.35 - 1.8	16	NA	5,100 N	**0.61 N**	SSL	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) SSL based on the Maximum Contaminant Level (MCL) for Bis(2-ethylhexyl)phthalate is 1.4 mg/kg.
bgs = below ground surface
C = Carcinogenic
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.12
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #6
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 6															
	84742	Di-n-butyl phthalate	2.8	2.8	mg/kg	CA-2	1/2	0.035 - 0.4	2.8	NA	630 N	**0.23 N**	SSL	N	BSL
	84662	Diethyl phthalate	1.6	1,300	mg/kg	CA-2	2/2	0.037 - 80	1,300	NA	5,100 N	**0.61 N**	SSL	N	BSL
	131113	Dimethyl phthalate	0.68	0.68	mg/kg	CA-2	1/2	0.022 - 0.4	0.68	NA	630 N (5)	**0.23 N** (5)	SSL	N	BSL
	117817	Bis(2-ethylhexyl)phthalate	0.58	0.58	mg/kg	CA-2	1/2	0.031 - 0.36	0.58	NA	39 C	1.3 N	SSL (6)	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) Value for dibutyl phthalate used as surrogate.
(6) SSL based on the Maximum Contaminant Level (MCL) for Bis(2-ethylhexyl)phthalate is 1.4 mg/kg.
bgs = below ground surface
C = Carcinogenic
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.13
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #6
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Subsurface Soil (1-2 feet bgs)
Exposure Medium: Subsurface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 6															
	75092	Methylene Chloride	0.0058 J	0.022 J	mg/kg	SB-06-02X001XX	4/4	0.00050 - 0.00055	0.022 J	NA	35 N	**0.0027 N**	SSL (5)	N	BSL
	117817	Bis(2-ethylhexyl)phthalate	0.18 J	0.18 J	mg/kg	SB-06-02X002XX	1/4	0.034 - 0.035	0.18 J	NA	39 C	1.3 N	SSL (6)	N	BSL
	84662	Diethyl phthalate	0.33 J	0.33 J	mg/kg	SB-06-02X002XX	1/4	0.041	0.33J	NA	5,100 N	0.61 N	SSL	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) SSL based on the Maximum Contaminant Level (MCL) for Methylene Chloride is 0.0013 mg/kg.
(6) SSL based on the Maximum Contaminant Level (MCL) for Bis(2-ethylhexyl)phthalate is 1.4 mg/kg.
bgs = below ground surface
C = Carcinogenic
J = Estimated value
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.14
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #7
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 7															
	56553	Benzo(a)anthracene	0.045 J	0.045 J	mg/kg	SS-07-01000XX	1/1	0.35	0.045 J	NA	0.16 C	**0.0042 C**	SSL	N	BSL
	50328	**Benzo(a)pyrene**	0.045 J	0.045 J	mg/kg	SS-07-01000XX	1/1	0.35	0.045 J	NA	**0.016 C**	**0.004 C**	SSL (5)	**Y**	**ASL**
	205992	Benzo(b)fluoranthene	0.087 J	0.087 J	mg/kg	SS-07-01000XX	1/1	0.35	0.087 J	NA	0.16 C	**0.041 C**	SSL	N	BSL
	191242	Benzo(g,h,i)perylene	0.058 J	0.058 J	mg/kg	SS-07-01000XX	1/1	0.35	0.058 J	NA	180 N (6)	1.3 N (6)	SSL	N	BSL
	218019	Chrysene	0.065 J	0.065 J	mg/kg	SS-07-01000XX	1/1	0.35	0.065 J	NA	16 C	1.2 C	SSL	N	BSL
	206440	Fluoranthene	0.10 J	0.10 J	mg/kg	SS-07-01000XX	1/1	0.35	0.10 J	NA	240 N	8.9 N	SSL	N	BSL
	193395	Indeno(1,2,3-c,d)pyrene	0.042 J	0.042 J	mg/kg	SS-07-01000XX	1/1	0.35	0.042 J	NA	0.16 C	0.13 C	SSL	N	BSL
	129000	Pyrene	0.077 J	0.077 J	mg/kg	SS-07-01000XX	1/1	0.35	0.077 J	NA	180 N	1.3 N	SSL	N	BSL

(1) Maximum detected concentration in sample SS-07-01X000XX and it's duplicate, SS-07-01X000XD, used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) SSL based on the Maximum Contaminant Level (MCL) for Benzo(a)pyrene is 0.24 mg/kg.
(6) Value for pyrene used as surrogate.
bgs = below ground surface
C = Carcinogenic
J = Estimated value
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable
SSL = Risk-based Soil Screening Levels from November 2015 Risk-Based RSL table (using a Dilution Attenuation Factor [DAF] of 1).
Bold values indicate excedance by concentration used for screening.

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.15
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #8
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Subsurface Soil (8-10 feet bgs)
Exposure Medium: Subsurface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 8															
	67641	Acetone	0.024 J	0.024 J	mg/kg	SB-08-05X008XX	1/16	0.0091 - 0.017	0.024 J	NA	6,100 N	0.29 N	SSL	N	BSL
	75092	Methylene Chloride	0.0066 J	0.020 J	mg/kg	SB-08-04X008XX	16/16	0.013 - 0.026	0.020 J	NA	35 N	**0.0027 N**	SSL (5)	N	BSL
	84662	Diethyl phthalate	0.048 J	0.061 J	mg/kg	SB-08-08X010XX	3/16	0.039 - 0.053	0.061 J	NA	5,100 N	0.61 N	SSL	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) SSL based on the Maximum Contaminant Level (MCL) for Methylene Chloride is 0.0013 mg/kg.
bgs = below ground surface
C = Carcinogenic
J = Estimated value
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable
SSL = Risk-based Soil Screening Levels from November 2015 Risk-Based RSL table (using a Dilution Attenuation Factor [DAF] of 1).
Bold values indicate excedance by concentration used for screening.

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.16
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #8
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	Potential C Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Tap Water (use of AOC 8 groundwater as potable water source)	108907	Chlorobenzene	0.96 J	0.96 J	µg/L	MW-08-01	1/5	0.39	0.96 J	NA	7.8 N	100	MCL	41	VISL	N	BSL
	98828	Isopropylbenzene	0.40 J	1.3	µg/L	MW-08-01	2/5	0.33	1.3	NA	45 N	NA	NA	89	VISL	N	BSL
	84662	Diethyl phthalate	4.2 J	4.2 J	µg/L	MW-08-01	1/5	1.6	4.2 J	NA	1,500 N	NA	NA	NA	NA	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for tap water based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level

J = Estimated value
MCL = Maxiumum Contaminant Level
µg/L = micrograms per liter
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 2/29/16
Checked By/Date: LWC 2/29/16

TABLE K.2.17
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #9 On-Site
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 9	75092	Methylene Chloride	0.016	0.029	mg/kg	SB-09-01X000XX	2/6	0.0017 - 0.003	0.029	NA	35 N	**0.0027 N**	SSL (5)	N	BSL
	127184	Tetrachloroethene	0.014	0.21 J	mg/kg	SB-09-05X000XX	6/6	0.00052 - 0.00073	0.21 J	NA	8.1 N	**0.0018 N**	SSL (6)	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) SSL based on the Maximum Contaminant Level (MCL) for Methylene Chloride is 0.0013 mg/kg.
(6) SSL based on the MCL for Tetrachloroethene is 0.0023 mg/kg.
bgs = below ground surface
J = Estimated Value
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable
SSL = Risk-based Soil Screening Levels from November 2015 Risk-Based RSL table (using a Dilution Attenuation Factor [DAF] of 1).
Bold values indicate excedance by concentration used for screening.

Prepared By/Date: SAG 3/1/16
Checked By/Date: LWC 3/1/16

TABLE K.2.18
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC #9 On-Site
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (3-15 feet bgs)
Exposure Medium: Subsurface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Soil at AOC 9															
	75092	Methylene Chloride	0.016 J	0.041	mg/kg	SB-09-06X010XX	5/14	0.0018 - 0.0025	0.041	NA	35 N	**0.0027 N**	SSL (5)	N	BSL
	127184	Tetrachloroethene	0.0029 J	1.2	mg/kg	GP-16	12/14	0.00054 - 0.00076	1.2	NA	8.1 N	**0.0018 N**	SSL (6)	N	BSL

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level
(5) SSL based on the Maximum Contaminant Level (MCL) for Methylene Chloride is 0.0013 mg/kg.
(6) SSL based on the MCL for Tetrachloroethene is 0.0023 mg/kg.
bgs = below ground surface
J = Estimated Value
mg/kg = milligrams per kilogram
N = Noncarcinogenic
NA = Not Applicable

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TABLE K.2.19
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC 9 On-Site
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Tap Water (use of AOC 9 groundwater as potable water source)	75-15-0 67663 127184	Carbon Disulfide **Tetrachloroethene**	3.4 J 7.4	3.4 J 1,100	µg/L µg/L	MW-09-19D MW-09-07	1/5 2/5	0.60 0.42 - 4.2	3.4 J 1,100	NA NA	81 N **4.1 N**	NA **5.0**	NA MCL	120 **5.8**	VISL VISL	N **Y**	BSL **ASL**

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for tap water based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level

J = Estimated Value
MCL = Maxiumum Contaminant Level
µg/L = micrograms per liter
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 3/1/16
Checked By/Date: LWC 3/1/16

TABLE K.2.20
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC 9 On-Site
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Sediment
Exposure Medium: Sediment

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
AOC 9 Sediment	75092	Methylene Chloride	0.0045 J	0.0045 J	mg/kg	SD-09-01	1/1	0.00039	0.0045 J	NA	35 N	NA	NA	N	BSL

Footnote Instructions:

(1) Maximum detected concentration used for screening.

(2) To date, a site-specific background study has not been conducted.

(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.

(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level

J = Estimated Value

mg/kg = milligrams per kilogram

N = Noncarcinogenic

NA = Not Applicable

Prepared By/Date: SAG 3/1/16

Checked By/Date: LWC 3/1/16

TABLE K.2.21
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC 9 Off-Site
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Tap Water (use of AOC 9 groundwater as potable water source)	67663	**Chloroform**	0.86 J	0.86 J	µg/L	MW-09-13	1/10	0.38	0.86 J	NA	**0.22 C**	80 (5)	MCL	**0.81**	VISL	**Y**	**ASL**
	127184	**Tetrachloroethene**	54	67	µg/L	MW-09-15	2/10	0.42	67	NA	**4.1 N**	**5.0**	MCL	**5.8**	VISL	**Y**	**ASL**

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for tap water based on a cancer risk of 1E-06 and hazard quotient of 0.1.
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level.
(5) Value for Total Trihalomethanes.
C = Carcinogenic
J = Estimated Value
MCL = Maxiumum Contaminant Level
µg/L = micrograms per liter
N = Noncarcinogenic
NA = Not Applicable

Prepared By/Date: SAG 3/1/16
Checked By/Date: LWC 3/1/16

TABLE K.2.22
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC 9 Off-Site
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Water
Exposure Medium: Surface Water

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
AOC 9 Surface Water	127184	**Tetrachloroethene**	3.6	58	µg/L	SW-09-04	6/8	0.39	58	NA	**10**	**0.69**	SC WQC	**Y**	**ASL**

Footnote Instructions:

(1) Maximum detected concentration used for screening.
(2) To date, a site-specific background study has not been conducted.
(3) Compounds were screened against the June 2015 EPA Ambient Water Quality Criteria (WQC) for Human Health (consumption of water & organisms).
(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level

Prepared By/Date: SAG 3/1/16
Checked By/Date: LWC 3/1/16

µg/L = micrograms per liter
NA = Not Applicable
SC WQC = South Carolina Water Quality Criteria for Human Health (consumption of water & organisms), South Carolina Regulation 61-68, effective June 27, 2014.
Bold values indicate excedance by concentration used for screening.

TABLE K.2.23
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - AOC 9 Off-Site
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Sediment
Exposure Medium: Sediment

Exposure Point	CAS Number	Chemical	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (N/C) (3)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
AOC 9 Sediment at Site	75092	Methylene Chloride	0.0020 J	0.0073 J	mg/kg	SD-09-08	6/8	0.00042 - 0.00049	0.0073 J	NA	35 N	NA	NA	N	BSL
	127184	Tetrachloroethene	0.0026 J	0.023	mg/kg	SD-09-05	4/8	0.00029 - 0.00034	0.023	NA	8.1 N	NA	NA	N	BSL

Footnote Instructions:

(1) Maximum detected concentration used for screening.

(2) To date, a site-specific background study has not been conducted.

(3) Compounds were screened against the November 2015 Risk-Based Regional Screening Levels (RSLs) for residential soils based on a cancer risk of 1E-06 and hazard quotient of 0.1.

(4) Rationale Codes: ASL = Above Screening Level, BSL = Below Screening Level

J = Estimated Value

mg/kg = milligrams per kilogram

N = Noncarcinogenic

NA = Not Applicable

Prepared By/Date: SAG 3/1/16

Checked By/Date: LWC 3/1/16

TABLE K.3.1
EXPOSURE POINT CONCENTRATION SUMMARY - SURFACE SOIL (0-1 ft) AOC 3
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean (a)	95% UCL (Distribution)	Maximum Concentration	Exposure Point Concentration (EPC)			
						Value	Units	Statistic	Rationale
Surface Soil AOC 3	Arsenic	mg/kg	0.805	--	2.10	2.10	mg/kg	Maximum	(b)

Statistics:
(a) Mean calculated using 1/2 the detection limit for non-detections.
(b) Insufficient number of samples to calculate UCL.
mg/kg = milligrams per kilogram
UCL = Upper Confidence Limit

PREPARED/DATE: SAG 3/1/2016
CHECKED/DATE: LWC 3/1/2016

TABLE K.3.2
EXPOSURE POINT CONCENTRATION SUMMARY - GROUNDWATER AOC 3
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean (a)	95% UCL (Distribution)	Maximum Concentration	Exposure Point Concentration (EPC)			
						Value	Units	Statistic	Rationale
Groundwater Used as Potable Water AOC 3	Chromium	ug/L	3.65	--	2.30 J	2.30	ug/L	Maximum	(b)

Statistics:
(a) Mean calculated using 1/2 the detection limit for non-detections.
(b) Insufficient number of samples to calculate UCL.
J = Estimated value
ug/L = micrograms per liter
UCL = Upper Confidence Limit

PREPARED/DATE: SAG 3/1/2016
CHECKED/DATE: LWC 3/1/2016

TABLE K.3.3
EXPOSURE POINT CONCENTRATION SUMMARY - SURFACE SOIL (0-1 ft) AOC 4
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean (a)	95% UCL (Distribution)	Maximum Concentration	Exposure Point Concentration (EPC)			
						Value	Units	Statistic	Rationale
Surface Soil AOC 4	Chromium	mg/kg	57.3	--	140	140	mg/kg	Maximum	(b)

Statistics:
(a) Mean calculated using 1/2 the detection limit for non-detections.
(b) Insufficient number of samples to calculate UCL.
mg/kg = milligrams per kilogram
UCL = Upper Confidence Limit

PREPARED/DATE: SAG 3/1/2016
CHECKED/DATE: LWC 3/1/2016

TABLE K.3.4
EXPOSURE POINT CONCENTRATION SUMMARY - SUBSURFACE SOIL (1-2 ft) AOC 4
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Subsurface Soil (1-2 feet bgs)
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean (a)	95% UCL (Distribution)	Maximum Concentration	Exposure Point Concentration (EPC)			
						Value	Units	Statistic	Rationale
Subsurface Soil AOC 4	Chromium	mg/kg	19.0	--	19.0	19.0	mg/kg	Maximum	(b)

Statistics:
(a) Mean calculated using 1/2 the detection limit for non-detections.
(b) Insufficient number of samples to calculate UCL.
mg/kg = milligrams per kilogram
UCL = Upper Confidence Limit

PREPARED/DATE: SAG 3/1/2016
CHECKED/DATE: LWC 3/1/2016

TABLE K.3.5
EXPOSURE POINT CONCENTRATION SUMMARY - SURFACE SOIL (0-1 ft) AOC 7
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Soil (0-1 feet bgs)
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean (a)	95% UCL (Distribution)	Maximum Concentration	Exposure Point Concentration (EPC)			
						Value	Units	Statistic	Rationale
Surface Soil AOC 7	Benzo(a)pyrene	mg/kg	0.045	--	0.045 J	0.045	mg/kg	Maximum	(b)

Statistics:
(a) Mean calculated using 1/2 the detection limit for non-detections.
(b) Insufficient number of samples to calculate UCL.
J = Estimated value
mg/kg = milligrams per kilogram
UCL = Upper Confidence Limit

PREPARED/DATE: SAG 3/1/2016
CHECKED/DATE: LWC 3/1/2016

TABLE K.3.6
EXPOSURE POINT CONCENTRATION SUMMARY - GROUNDWATER AOC 9 On-Site
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean (a)	95% UCL (Distribution)	Maximum Concentration	Exposure Point Concentration (EPC)			
						Value	Units	Statistic	Rationale
Groundwater used as Potable Water AOC 9 On-Site	Tetrachloroethene	ug/L	222	--	1,100	1,100	ug/L	Maximum	(b)

Statistics:
(a) Mean calculated using 1/2 the detection limit for non-detections.
(b) Insufficient number of samples to calculate UCL.
mg/kg = milligrams per kilogram
UCL = Upper Confidence Limit

PREPARED/DATE: SAG 3/1/2016
CHECKED/DATE: LWC 3/1/2016

TABLE K.3.7
EXPOSURE POINT CONCENTRATION SUMMARY - GROUNDWATER AOC 9 Off-Site
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean (a)	95% UCL (Distribution)	Maximum Concentration	Exposure Point Concentration (EPC)			
						Value	Units	Statistic	Rationale
Groundwater used as Potable Water	Chloroform	ug/L	0.285	--	0.860 J	0.860 J	ug/L	Maximum	(b)
AOC 9 Off-Site	Tetrachloroethene	ug/L	12.3	--	67.0	67.0	ug/L	Maximum	(b)

Statistics:
(a) Mean calculated using 1/2 the detection limit for non-detections.
(b) Insufficient number of samples to calculate UCL.
J = Estimated value
mg/kg = milligrams per kilogram
UCL = Upper Confidence Limit

PREPARED/DATE: SAG 3/1/2016
CHECKED/DATE: LWC 3/1/2016

TABLE K.3.8
EXPOSURE POINT CONCENTRATION SUMMARY - SURFACE WATER AOC 9 Off-Site
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface Water
Exposure Medium: Surface Water

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean (a)	95% UCL (Distribution)	Maximum Concentration	Exposure Point Concentration (EPC)			
						Value	Units	Statistic	Rationale
Surface Water AOC 9 Off-Site	Tetrachloroethene	ug/L	17.5	--	58	58	ug/L	Maximum	(b)

Statistics:
(a) Mean calculated using 1/2 the detection limit for non-detections.
(b) Insufficient number of samples to calculate UCL.
mg/kg = milligrams per kilogram
UCL = Upper Confidence Limit

PREPARED/DATE: SAG 3/1/2016
CHECKED/DATE: LWC 3/1/2016

TABLE K.3.9
EXPOSURE POINT CONCENTRATION SUMMARY - ON-SITE GROUNDWATER VAPOR INTRUSION
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Indoor Air

Exposure Point	Chemical of Potential Concern	Groundwater Concentration (Maximum) (a)	Units	Modeled Indoor Air Concentration (b)	Units
Indoor Air	Mercury	1.6E-04	mg/L	5.63E-02	ug/m^3
	Tetrachloroethene	1.1E+00	mg/L	7.96E+02	ug/m^3

Notes:
(a) From Table 3.6, except Mercury was from Table 2.10.
(b) Modeled Indoor Air Concentration based on maximum groundwater concentration and calculated using the United States Environmental Protection Agency's Vapor Intrusion Screening Level (VISL) Calculator Version 3.45.
mg/L = milligrams per liter
ug/m^3 = micrograms per cubic meter

PREPARED/DATE: SAG 3/1/16
CHECKED/DATE: LWC 3/1/16

TABLE K.3.10
EXPOSURE POINT CONCENTRATION SUMMARY - OFF-SITE GROUNDWATER VAPOR INTRUSION
Former Robert Bosch Tool Corportation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Indoor Air

Exposure Point	Chemical of Potential Concern	Groundwater Concentration (Maximum) (a)	Units	Modeled Indoor Air Concentration (b)	Units
Indoor Air	Chloroform	8.6E-04	mg/L	1.29E-01	ug/m^3
	Tetrachloroethene	6.7E-02	mg/L	4.85E+01	ug/m^3

Notes:
(a) From Table 3.7.
(b) Modeled Indoor Air Concentration based on maximum groundwater concentration and calculated using the United States Environmental Protection Agency's Vapor Intrusion Screening Level (VISL) Calculator Version 3.45.
mg/L = milligrams per liter
ug/m^3 = micrograms per cubic meter

PREPARED/DATE: SAG 3/1/16
CHECKED/DATE: LWC 3/1/16

TABLE K.4.1
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR COMMERCIAL/INDUSTRIAL WORKER - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface and Subsurface Soil
Exposure Medium: Surface and Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Commercial/Industrial Worker	Adult	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR-S	Ingestion Rate of Soil	100	mg/day	USEPA, 2015	$\frac{CS \times IR\text{-}S \times EF \times ED \times FI \times CF}{BW \times AT}$
				EF	Exposure Frequency	225	days/year	USEPA, 2015	
				ED	Exposure Duration	25	years	USEPA, 2015	
				FI	Fraction Ingested at Site	100	percent	USEPA, 2014	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	9,125	days	USEPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	
Dermal	Commercial/Industrial Worker	Adult	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	3,527	cm^2/event	USEPA, 2015	$\frac{DA_{event} \times EF \times ED \times EV \times SA}{BW \times AT}$
				SAF	Soil to Skin Adherence Factor	0.12	mg/cm^2	USEPA, 2015	
				ABSd	Dermal Absorption Fraction	Chemical-specific	--	USEPA, 2004	
				EF	Exposure Frequency	225	days/year	USEPA, 2015	$DA_{event} = CS \times CF \times SAF \times ABSd$
				ED	Exposure Duration	25	years	USEPA, 2015	
				EV	Event Frequency	1	event/day	USEPA, 2004	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	9,125	days	USEPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2014. Region 4 Human Health Risk Assessment Supplemental Guidance.
USEPA, 2015. Human Health Evaluation manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, updated September 14, 2015.

PREPARED/DATE: LWC 2/4/16
CHECKED/DATE: MKB 3/2/16

TABLE K.4.2
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR COMMERCIAL/INDUSTRIAL WORKER - PARTICULATE INHALATION
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current/Future
Medium: Surface and Subsurface Soil
Exposure Medium: Surface and Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation of Fugitive Dust	Commercial/Industrial Worker	Adult	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Chronic Daily Intake (CDI) (mg/m^3) =
				EF	Exposure Frequency	225	days/year	USEPA, 2015	CS x EF x ED x FI
				ED	Exposure Duration	25	years	USEPA, 2015	AT x PEF
				FI	Fraction Inhaled	100	percent	USEPA, 2002	
				PEF	Particulate Emission Factor	1.36E+09	m^3/kg	USEPA, 2002	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	9,125	days	USEPA, 1989	

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, OSWER 9355.4-24
USEPA, 2015. Human Health Evaluation manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, updated September 14, 2015.

PREPARED/DATE: LWC 2/4/16
CHECKED/DATE: MKB 3/2/16

TABLE K.4.3
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR UTILITY/CONSTRUCTION WORKER
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Surface & Subsurface Soil
Exposure Medium: Surface & Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Construction/ Utility Worker	Adult	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR-S	Ingestion Rate of Soil	330	mg/day	USEPA, 2015	$\frac{CS \times IR\text{-}S \times EF \times ED \times FI \times CF}{BW \times AT}$
				EF	Exposure Frequency	125	days/year	Professional Judgement (1)	
				ED	Exposure Duration	1	years	Professional Judgement (1)	
				FI	Fraction Ingested at Site	100	percent	USEPA, 2014	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	365	days	USEPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	
Dermal	Construction/ Utility Worker	Adult	Construction/Utility Worker	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	3,527	cm^2/event	USEPA, 2015	$\frac{DA_{event} \times EF \times ED \times EV \times SA}{BW \times AT}$
				SAF	Soil to Skin Adherence Factor	0.3	mg/cm^2	USEPA, 2004	
				ABSd	Dermal Absorption Fraction	Chemical-specific	--	USEPA, 2004	
				EF	Exposure Frequency	125	days/year	Professional Judgement (1)	$DA_{event} = CS \times CF \times SAF \times ABSd$
				ED	Exposure Duration	1	years	Professional Judgement (1)	
				EV	Event Frequency	1	event/day	USEPA, 2004	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	365	days	USEPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	

(1) Assumes intrusive activities for six months.

PREPARED/DATE: LWC 2/4/16
CHECKED/DATE: MKB 3/2/16

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2014. Region 4 Human Health Risk Assessment Supplemental Guidance.
USEPA, 2015. Human Health Evaluation manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, updated

TABLE K.4.4
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR UTILITY/CONSTRUCTION WORKER
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Surface & Subsurface Soil
Exposure Medium: Surface & Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	5	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation of Fugitive Dust	Utility/Construction Worker	Adult	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Chronic Daily Intake (CDI) (mg/m^3) =
				EF	Exposure Frequency	125	days/year	Professional Judgement (1)	CS x IR-A x EF x ED x FI
				ED	Exposure Duration	1	years	Professional Judgement (1)	BW x AT x PEF
				FI	Fraction Inhaled	100	percent	USEPA, 2002	
				PEF	Particulate Emission Factor	1.36E+09	m^3/kg	USEPA, 2002	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	365	days	USEPA, 1989	

(1) Assumes intrusive activities for six months

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, OSWER 9355.4-24

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TABLE K.4.5
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR RESIDENTIAL ADULTS AND CHILDREN - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Surface & Subsurface Soil
Exposure Medium: Surface & Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Resident	Adult	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR-S	Ingestion Rate of Soil	100	mg/day	USEPA, 2015	$\frac{CS \times IR\text{-}S \times EF \times ED \times FI \times CF}{BW \times AT}$
				EF	Exposure Frequency	350	days/year	USEPA, 2015	
				ED	Exposure Duration	20	years	USEPA, 2015	
				FI	Fraction Ingested at Site	100	percent	USEPA, 2014	For mutagens:
				BW	Body Weight	80	kg	USEPA, 2015	$\frac{(1)\ \sum CS \times IR\text{-}S \times EF \times \sum(ADAF_i \times ED_i) \times FI \times CF}{BW \times AT\text{-}C}$
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	7,300	days	USEPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	
		Child	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR-S	Ingestion Rate of Soil	200	mg/day	USEPA, 2015	$\frac{CS \times IR\text{-}S \times EF \times ED \times FI \times CF}{BW \times AT}$
				EF	Exposure Frequency	350	days/year	USEPA, 2015	
				ED	Exposure Duration	6	years	USEPA, 2015	
				FI	Fraction Ingested at Site	100	percent	USEPA, 2014	For mutagens:
				BW	Body Weight	15	kg	USEPA, 2015	$\frac{(1)\ \sum CS \times IR\text{-}S \times EF \times \sum(ADAF_i \times ED_i) \times FI \times CF}{BW \times AT\text{-}C}$
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	
				AT-N	Averaging Time - Non-Cancer	2,190	days	USEPA, 1989	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	
		Child/Adult	Soil	--	--	--	--	--	Child/Adult cancer risks will be calculated as the sum of the Child cancer risk and the Adult cancer risk

TABLE K.4.5
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR RESIDENTIAL ADULTS AND CHILDREN - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Surface & Subsurface Soil
Exposure Medium: Surface & Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Resident	Adult	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	6,032	cm^2/event	USEPA, 2015	$\frac{DA_{event} \times EF \times ED \times EV \times SA}{BW \times AT}$
				SAF	Soil to Skin Adherence Factor	0.07	mg/cm^2	USEPA, 2004	
				ABSd	Dermal Absorption Fraction	Chemical-specific	--	USEPA, 2004	
				EF	Exposure Frequency	350	days/year	USEPA, 2015	$DA_{event} = CS \times CF \times SAF \times ABSd$
				ED	Exposure Duration	20	years	USEPA, 2002	
				EV	Event Frequency	1	event/day	USEPA, 2004	For mutagens:
				BW	Body Weight	70	kg	USEPA, 1989	$\frac{(1)\ DAevent \times SA \times EF \times EV \times \sum(ED_i \times ADAF_i)}{BW \times AT\text{-}C}$
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	7,300	days	USEPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	
		Child	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	2,373	cm^2/event	USEPA, 2015	$\frac{DA_{event} \times EF \times ED \times EV \times SA}{BW \times AT}$
				SAF	Soil to Skin Adherence Factor	0.2	mg/cm^2	USEPA, 2004	
				ABSd	Dermal Absorption Fraction	Chemical-specific	--	USEPA, 2004	
				EF	Exposure Frequency	350	days/year	USEPA, 1991	$DA_{event} = CS \times CF \times SAF \times ABSd$
				ED	Exposure Duration	6	years	USEPA, 2002	
				EV	Event Frequency	1	event/day	USEPA, 2004	For mutagens:
				BW	Body Weight	15	kg	USEPA, 1989	$\frac{(1)\ DAevent \times SA \times EF \times EV \times \sum(ED_i \times ADAF_i)}{BW \times AT\text{-}C}$
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	
				AT-N	Averaging Time - Non-Cancer	2,190	days	USEPA, 1989	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	
		Child/Adult	Soil	--	--	--	--	--	Child/Adult cancer risks will be calculated as the sum of the Child cancer risk and the Adult cancer risk

TABLE K.4.5
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR RESIDENTIAL ADULTS AND CHILDREN - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Surface & Subsurface Soil
Exposure Medium: Surface & Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name

PREPARED/DATE: LWC 2/4/16
CHECKED/DATE: MKB 3/2/16

(1) For mutagens:

Age Group	ADAF	ED_i
0 to < 2 years	10	2
2 to < 6 years	3	4
6 to < 16 years	3	10
16 to 70 years	1	10

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, OSWER 9355.4-24
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2005. Supplemental Guidance for Assessing Susceptibility From Early Life Exposure to Carcinogens, Risk Assessment forum. March 2005. EPA/630/R-03/003F.
USEPA, 2014. Region 4 Human Health Risk Assessment Supplemental Guidance.
USEPA, 2015. Human Health Evaluation manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, originally dated February 6, 2014; FAQs updated September 14, 2015.

TABLE K.4.6
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR RESIDENTIAL ADULTS AND CHILDREN - PARTICULATE INHALATION
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Surface & Subsurface Soil
Exposure Medium: Surface & Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation of Fugitive Dust	Resident	Adult	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Chronic Daily Intake (CDI) (mg/m3) =
				EF	Exposure Frequency	350	days/year	USEPA, 2015	CS x EF x ED x FI
				ED	Exposure Duration	20	years	USEPA, 2015	AT x PEF
				FI	Fraction Inhaled	100	percent	USEPA, 2014	
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	
				PEF	Particulate Emission Factor	1.36E+09	m^3/kg	USEPA, 2002	For mutagens:
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	(1) CS x FI x EF x $\sum(ED_i \times ADAF_i)$
				AT-N	Averaging Time - Non-Cancer	7,300	days	USEPA, 1989	AT x PEF
		Child	Soil	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Chronic Daily Intake (CDI) (mg/m3) =
				EF	Exposure Frequency	350	days/year	USEPA, 2015	CS x EF x ED x FI
				ED	Exposure Duration	6	years	USEPA, 2015	AT x PEF
				FI	Fraction Inhaled	100	percent	USEPA, 2014	
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	
				PEF	Particulate Emission Factor	1.36E+09	m^3/kg	USEPA, 2002	For mutagens:
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 2002	(1) CS x FI x EF x $\sum(ED_i \times ADAF_i)$
				AT-N	Averaging Time - Non-Cancer	2,190	days	USEPA, 1989	AT x PEF
		Child/Adult	Soil	--	--	--	--	--	Child/Adult cancer risks will be calculated as the sum of the Child cancer risk and the Adult cancer risk

(1) For mutagens:

Age Group	ADAF	ED_i
0 to < 2 years	10	2
2 to < 6 years	3	4
6 to < 16 years	3	10
16 to 70 years	1	10

PREPARED/DATE: LWC 2/4/16
CHECKED/DATE: MKB 3/2/16

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2002a. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, OSWER 9355.4-24

USEPA, 2005. Supplemental Guidance for Assessing Susceptibility From Early Life Exposure to Carcinogens, Risk Assessment forum. March 2005. EPA/630/R-03/003F.
USEPA, 2014. Region 4 Human Health Risk Assessment Supplemental Guidance.
USEPA, 2015. Human Health Evaluation manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, originally dated February 6, 2014; FAQs updated September 14, 20

TABLE K.4.7
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR YOUTH TRESPASSER - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current and Future
Medium: On-Site Surface Soil
Exposure Medium: Surface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Trespasser	Adolescent (age 7-16)	Surface Soils	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR-S	Ingestion Rate of Soil	100	mg/day	USEPA, 2015 (1)	$\frac{CS \times IR\text{-}S \times EF \times ED \times FI \times CF}{BW \times AT}$
				EF	Exposure Frequency	104	days/year	Professional judgment (2)	
				ED	Exposure Duration	10	years	EPA, 2014	
				FI	Fraction Ingested at Site	50	percent	Professional judgment (3)	
				BW	Body Weight	45	kg	EPA, 2014	
				AT-C	Averaging Time - Cancer	25,550	days	EPA, 1989	
				AT-N	Averaging Time - Non-Cancer	2,920	days	EPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	
Dermal	Trespasser	Adolescent (age 7-16)	Surface Soils	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	6,032	cm^2/event	USEPA, 2015 (1)	$\frac{DAevent \times EF \times ED \times SA}{BW \times AT}$
				SAF	Soil to Skin Adherence Factor	0.07	mg/cm^2	USEPA, 2015 (1)	
				AE	Absorption Efficiency	chemical-specific	percent	EPA, 2004	
				EF	Exposure Frequency	104	days/year	Professional judgment (2)	DAevent = CS x CF x SAF x AE
				ED	Exposure Duration	10	years	EPA, 2014	
				FA	Fraction Absorbed from Outdoor Areas	50	percent	Professional judgment (3)	
				BW	Body Weight	45	kg	EPA, 2014	
				AT-C	Averaging Time - Cancer	25,550	days	EPA, 1989	
				AT-N	Averaging Time - Non-Cancer	2,920	days	EPA, 1989	
				CF	Conversion Factor	1E-06	kg/mg	--	

(1) Assumed to be similar to adult.
(2) Assumes two days per week
(3) Assumes spending one-half of waking day at the site.

PREPARED/DATE: LWC 2/4/16
CHECKED/DATE: MKB 3/2/16

EPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
EPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2014. Region 4 Human Health Risk Assessment Supplemental Guidance.
USEPA, 2015. Human Health Evaluation manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, updated September 14, 2015.

TABLE K.4.8
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR YOUTH TRESPASSER - INHALATAION OF PARTICULATES
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current and Future
Medium: On-Site Surface Soil
Exposure Medium: Surface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Trespasser	Adolescent (age 7-16)	Surface Soils	CS	Chemical Concentration in Soil	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	mg/kg	See Tables K.3.1, K.3.3, K.3.4, and K.3.5	Daily Inhalation Intake (mg/kg-day) =
				EF	Exposure Frequency	104	days/year	Professional judgment (1)	CS x EF x ED x FI / AT x PEF
				ED	Exposure Duration	10	years	Professional judgment	
				FI	Fraction Inhaled	50	percent	Professional judgment	
				PEF	Particulate Emission Factor	1.36E+09	m^3/kg	EPA, 2002	
				BW	Body Weight	45	kg	EPA, 2014	
				AT-C	Averaging Time - Cancer	25,550	days	EPA, 1989	
				AT-N	Averaging Time - Non-Cancer	2,920	days	EPA, 1989	

(1) Assumes two days per week.

EPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
EPA, 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, OSWER 9355.4-24.
USEPA, 2014. Region 4 Human Health Risk Assessment Supplemental Guidance.

PREPARED/DATE: LWC 2/4/16
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TABLE K.4.9
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR COMMERCIAL/INDUSTRIAL WORKER - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Commercial/Industrial Worker	Adult	Tap Water	CW	Chemical Concentration in Water	See Tables K.3.2, K.3.6, K.3.7	mg/L	See Tables K.3.2, K.3.6, K.3.7	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR-W	Ingestion rate of Water	1.25	L/day	USEPA, 2015 (1)	CW x IR-W x EF x ED
				EF	Exposure Frequency	225	days/year	USEPA, 2015	BW x AT
				ED	Exposure Duration-Noncarcinogenic	25	years	USEPA, 2015	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	9,125	days	USEPA, 1989	
Dermal	Commercial/Industrial Worker	Adult	Tap Water	DA event	Absorbed dose per event	Per RAGS, Part E, See Tables L.1, L.2, & L.5	mg/cm^2-event	USEPA, 2004	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	980	cm^2	USEPA, 2011 (2)	DAevent x SA x EF x ED x EV
				EF	Exposure Frequency	225	days/year	USEPA, 2015	BW x AT
				ED	Exposure Duration	25	years	USEPA, 2015	
				EV	Event frequency	1	events/day	USEPA, 2004	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	9,125	days	USEPA, 1989	
Inhalation	Commercial/Industrial Worker	Adult	Indoor Air - Vapor Intrusion	CA	Chemical Concentration in Air	See Tables K.3.9, K.3.10	µg/m^3	See Tables K.3.9, K.3.10	Daily Inhalation Intake (mg/kg-day) =
				ET	Exposure Time	10	hours/day	Professional Judgement	CA x ET x EF x ED
				EF	Exposure Frequency	225	days/year	USEPA, 2015	AT
				ED	Exposure Duration	25	years	USEPA, 2015	
				AT-C	Averaging Time - Cancer	613,200	hours	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	219,000	hours	USEPA, 1989	

(1) Assumes one-half of adult resident water ingestion (See FAQs about USEPA, 2015).
(2) Average surface area for hands for an adult, Table ES-1; hand-washing only exposure while at work

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2011. Exposure Factors Handbook: 2011 Edition, USEPA, September 2011.

Prepared/Date: LWC 2/17/16
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TABLE K.4.10
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR UTILITY/CONSTRUCTION WORKER - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Construction/ Utility Worker.	Adult	Excavation	CW	Chemical Concentration in Water	See Tables K.3.2, K.3.6, K.3.7	mg/L	See Tables K.3.2, K.3.6, K.3.7	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR-W	Ingestion rate of Water	0.02	L/day	USEPA, 2014 (1)	CW x IR-W x EF x ED x CF
				EF	Exposure Frequency	125	days/year	Professional Judgement (2)	BW x AT
				ED	Exposure Duration-Noncarcinogenic	1	years	Professional Judgement (2)	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	365	days	USEPA, 1989	
Dermal	Construction/ Utility Worker.	Adult	Excavation	DA event	Absorbed dose per event	Per RAGS, Part E, See Tables L.3, L.4, & L.6	mg/cm^2-event	USEPA, 2004	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	3,527	cm^2	USEPA, 2015	DAevent x SA x EF x ED x EV
				EF	Exposure Frequency	125	days/year	Professional Judgement (2)	BW x AT
				ED	Exposure Duration	1	years	Professional Judgement (2)	
				EV	Event Frequency	1	events/day	Professional Judgement	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Averaging Time -	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	365	days	USEPA, 1989	

(1) Assumes ingestion of 0.01 liters per hour for a 2 hour exposure event. Ingestion rate for an adult during wading in surface water (Region 4 USEPA, 2014).
(2) Assumes intrusive activities for six months.

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 1991. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Supplemental Guidance, Standard Default Exposure Factors Interim Final. OSWER 9285.6-03.
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2014. Region 4 Human Health Risk Assessment Supplemental Guidance.

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TABLE K.4.11
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR RESIDENTS - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Resident	Adult	Tap Water	CW	Chemical Concentration in Water	See Tables K.3.2, K.3.6, K.3.7	mg/L	See Tables K.3.2, K.3.6, K.3.7	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR-W	Ingestion rate of Water	2.5	L/day	USEPA, 2015	CW x IR-W x EF x ED
				EF	Exposure Frequency	350	days/year	USEPA, 2015	BW x AT
				ED	Exposure Duration-Noncarcinogenic	20	years	USEPA, 2015	For mutagens:
				BW	Body Weight	80	kg	USEPA, 2015	(1) CW x IR-W x EF x ∑(ED, x ADAF,)
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	BW x AT-C
				AT-C	Averaging Time -	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	7,300	days	USEPA, 1989	
		Child (0-6)	Tap Water	CW	Chemical Concentration in Water	See Tables K.3.2, K.3.6, K.3.7	mg/L	See Tables K.3.2, K.3.6, K.3.7	Chronic Daily Intake (CDI) (mg/kg-day) =
				IR-W	Ingestion rate of Water	0.78	L/day	USEPA, 2015	CW x IR-W x EF x ED
				EF	Exposure Frequency	350	days/year	USEPA, 2015	BW x AT
				ED	Exposure Duration	6	years	USEPA, 2015	For mutagens:
				BW	Body Weight	15	kg	USEPA, 2015	(1) CW x IR-W x EF x ∑(ED, x ADAF,)
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	BW x AT-C
				AT-C	Averaging Time - Carcinogen	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	2,190	days	USEPA, 1989	
		Child/Adult	Tap Water	--	--	--	--	--	Child/Adult cancer risks will be calculated as the sum of the Child cancer risk and the Adult cancer risk
Dermal	Resident	Adult	Tap Water	DA event	Absorbed dose per event	Per RAGS, Part E, See Tables L.7, L.8, & L.11	mg/cm^2-event	USEPA, 2004	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	19,652	cm^2	USEPA, 2015	DAevent x SA x EF x ED x EV
				EF	Exposure Frequency	350	days/year	USEPA, 2015	BW x AT
				ED	Exposure Duration-Noncarcinogenic	20	years	USEPA, 2015	
				EV	Event frequency	1	event/day	Professional Judgement	
				BW	Body Weight	80	kg	USEPA, 2015	For mutagens:
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				AT-C	Averaging Time -	25,550	days	USEPA, 1991	(1) DAevent x EV x SA x EF x ∑(ED, x ADAF,)
				AT-N	Averaging Time - Non-Cancer	7,300	days	USEPA, 1989	BW x AT-C
		Child (0-6)	Tap Water	DA event	Absorbed dose per event	Per RAGS, Part E, See Tables L.9, L.10, & L.12	mg/cm^2-event	USEPA, 2004	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	6,365	cm^2	USEPA, 2015	DAevent x SA x EF x ED x EV
				EF	Exposure Frequency	350	days/year	USEPA, 2015	BW x AT
				ED	Exposure Duration	6	years	USEPA, 2015	
				EV	Event frequency	1	event/day	Professional Judgement	
				BW	Body Weight	15	kg	USEPA, 2015	For mutagens:
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				AT-C	Averaging Time -	25,550	days	USEPA, 1991	(1) DAevent x EV x ∑(SA, x EF, x ED, x ADAF,)
				AT-N	Averaging Time - Non-Cancer	2,190	days	USEPA, 1989	BW,x AT-C
		Child/Adult	Tap Water	--	--	--	--	--	Child/Adult cancer risks will be calculated as the sum of the Child cancer risk and the Adult cancer risk
Inhalation of Volatiles During Indoor Use of Groundwater	Current Nearby Residential or Future Site Residential	Adult	Tap Water	CW	Chemical Concentration in Water	See Tables K.3.2, K.3.6, K.3.7	mg/L	See Tables K.3.2, K.3.6, K.3.7	Inhalation Exposure Concentration (mg/m^3) =
				ET	Exposure Time	24	hours/day	USEPA, 2015	CW x ET x EF x ED x K
				EF	Exposure Frequency	350	days/year	USEPA, 2015	AT
				ED	Exposure Duration	20	years	USEPA, 2015	For mutagens:
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	CW x ET x EF x ∑(ED, x ADAF,) x K
				K	Default Volatilization Factor	0.5	L/m^3	EPA, 1989	AT-C
				AT-C	Averaging Time -	613,200	hours	EPA, 1989	
				AT-N	Averaging Time - Non-Cancer	175,200	hours	EPA, 1989	
		Child (0-6)	Tap Water	Cw	Chemical Concentration in Water	See Tables K.3.2, K.3.6, K.3.7	mg/L	See Tables K.3.2, K.3.6, K.3.7	Inhalation Exposure Concentration (mg/m^3) =
				ET	Exposure Time	24	hours/day	USEPA, 2015	CW x ET x EF x ED x K
				EF	Exposure Frequency	350	days/year	USEPA, 2015	AT
				ED	Exposure Duration	6	years	USEPA, 2015	For mutagens:
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	CW x ET x EF x ∑(ED, x ADAF,) x K
				K	Default Volatilization Factor	0.5	L/m^3	EPA, 1989	AT-C
				AT-C	Averaging Time -	613,200	hours	EPA, 1989	
				AT-N	Averaging Time - Non-Cancer	52,560	hours	EPA, 1989	
		Child/Adult	Tap Water	--	--	--	--	--	Child/Adult cancer risks will be calculated as the sum of the Child cancer risk and the Adult cancer risk

(1) For mutagens:

Age Group	ADAF	ED_i
0 to < 2 years	10	2
2 to < 6 years	3	4
6 to < 16 years	3	10
16 to 70 years	1	10

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USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2005. Supplemental Guidance for Assessing Susceptibility From Early Life Exposure to Carcinogens, Risk Assessment forum. March 2005. EPA/630/R-03/003F.
USEPA, 2015. Human Health Evaluation manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, originally dated February 6, 2014; FAQs updated September 14, 2015.

TABLE K.4.12
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR RESIDENTS - INHALATION OF INDOOR VAPORS
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Resident	Adult	Indoor Air - Vapor Intrusion	CA	Chemical Concentration in Air	See Tables K.3.9, K.3.10	$\mu g/m^3$	See Tables K.3.9, K.3.10	Inhalation Exposure Concentration ($\mu g/m^3$) =
				ET	Exposure Time	24	hours/day	EPA, 1989	
				EF	Exposure Frequency	350	days/year	USEPA, 2015	$\frac{CA \times ET \times EF \times ED}{AT}$
				ED	Exposure Duration	20	years	USEPA, 2015	
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	For mutagens:
				AT-C	Averaging Time - Cancer	613,200	hours	EPA, 1989	$\frac{(1)\ CA \times ET \times EF \times \sum(ED_i \times ADAF_i)}{AT\text{-}C}$
				AT-N	Averaging Time - Non-Cancer	175,200	hours	EPA, 1989	
		Child (0-6)	Indoor Air - Vapor Intrusion	CA	Chemical Concentration in Air	See Tables K.3.9, K.3.10	$\mu g/m^3$	See Tables K.3.9, K.3.10	Inhalation Exposure Concentration ($\mu g/m^3$) =
				ET	Exposure Time	24	hours/day	EPA, 1989	$\frac{CA \times ET \times EF \times ED}{AT}$
				EF	Exposure Frequency	350	days/year	USEPA, 2015	
				ED	Exposure Duration	6	years	USEPA, 2015	
				ADAF	Age Dependent Adjustment	See Below (1)	unitless	USEPA, 2005	For mutagens:
				AT-C	Averaging Time - Cancer	613,200	hours	EPA, 1989	$\frac{(1)\ CA \times ET \times EF \times \sum(ED_i \times ADAF_i)}{AT\text{-}C}$
				AT-N	Averaging Time - Non-Cancer	52,560	hours	EPA, 1989	
		Child/Adult	Indoor Air - Vapor Intrusion	--	--	--	--	--	Child/Adult cancer risks will be calculated as the sum of the Child cancer risk and the Adult cancer risk

(1) For mutagens:

Age Group	ADAF	ED_i
0 to < 2 years	10	2
2 to < 6 years	3	4
6 to < 16 years	3	10
16 to 70 years	1	10

Prepared/Date: LWC 2/17/16
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Notes:

EPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
EPA, 2002a. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, OSWER 9355.4-24.
EPA, 2009. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), EPA, January 2009.
USEPA, 2005. Supplemental Guidance for Assessing Susceptibility From Early Life Exposure to Carcinogens, Risk Assessment forum. March 2005. EPA/630/R-03/003F.

TABLE K.4.13
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR COMMERCIAL/INDUSTRIAL WORKER - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Medium: Surface Water
Exposure Medium: Surface Water

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Commercial/Industrial Worker	Adult	Surface Water	DA event	Absorbed dose per event	Per RAGS, Part E, See Table L.13	mg/cm^2-event	USEPA, 2004	Dermally Absorbed Dose (DAD) (mg/kg-day) = DAevent x SA x EF x ED / BW x AT
				SA	Surface Area of Exposed Skin	1,295	cm^2	USEPA, 2011 (1)	
				EF	Exposure Frequency	52	days/year	Professional judgment (2)	
				ED	Exposure Duration	25	years	USEPA, 2015	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	9,125	days	USEPA, 1989	

(1) Average surface area for feet of an adult, Table ES-1; water only deep enough to wet feet.
(2) Assumes one day per week.

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2011. Exposure Factors Handbook: 2011 Edition, USEPA, September 2011.

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TABLE K.4.14
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR UTILITY/CONSTRUCTION WORKER - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE

Scenario Timeframe: Future
Medium: Surface Water
Exposure Medium: Surface Water

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Construction/ Utility Worker	Adult	Surface Water	DA event	Absorbed dose per event	Per RAGS, Part E, See Table L.13	mg/cm^2-event	USEPA, 2004	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	1,295	cm^2	USEPA, 2011 (1)	DAevent x SA x EF x ED / BW x AT
				EF	Exposure Frequency	125	days/year	Professional Judgement (2)	
				ED	Exposure Duration	1	years	Professional Judgement (2)	
				BW	Body Weight	80	kg	USEPA, 2015	
				AT-C	Averaging Time - Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	365	days	USEPA, 1989	

(1) Average surface area for feet of an adult, Table ES-1; water only deep enough to wet feet.
(2) Assumes intrusive activities near surface water for six months

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2011. Exposure Factors Handbook: 2011 Edition, USEPA, September 2011.
USEPA, 2015. Human Health Evaluation manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, updated September 14, 2015.

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TABLE K.4.15
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR RESIDENTS - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE

Scenario Timeframe: Future
Medium: Surface Water
Exposure Medium: Surface Water

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Resident Adult	Adult	Surface Water	DA event	Absorbed dose per event	Per RAGS, Part E, See Table L.13	mg/cm^2-event	USEPA, 2004	Dermally Absorbed Dose (DAD) (mg/kg-day) = $\frac{DA_{event} \times SA \times EF \times ED}{BW \times AT}$ For Mutagens (3): $\frac{DA_{event} \times EV \times \sum(SA_i \times EF_i \times ED_i \times ADAF_i)}{BW_i \times AT\text{-}C}$
				SA	Surface Area of Exposed Skin	1,295	cm^2	USEPA, 2011 (1)	
				EF	Exposure Frequency	104	days/year	Professional judgment (2)	
				ED	Exposure Duration-Noncarcinogenic	20	years	USEPA, 2015	
				BW	Body Weight	80	kg	USEPA, 2015	
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	
				AT-C	Cancer Averaging Time - Non-Cancer	25,550	days	USEPA, 1989	
				AT-N		7,300	days	USEPA, 1989	
Dermal	Resident Child (0-6 years)	Child (0-6)	Surface Water	DA event	Absorbed dose per event	Per RAGS, Part E, See Table L.13	mg/cm^2-event	USEPA, 2004	Dermally Absorbed Dose (DAD) (mg/kg-day) = $\frac{DA_{event} \times SA \times EF \times ED}{BW \times AT}$ For Mutagens (3): $\frac{DA_{event} \times EV \times \sum(SA_i \times EF_i \times ED_i \times ADAF_i)}{BW_i \times AT\text{-}C}$
				SA	Surface Area of Exposed Skin	490	cm^2	USEPA, 2011 (4)	
				EF	Exposure Frequency	104	days/year	Professional judgment (2)	
				ED	Exposure Duration	6	years	USEPA, 2015	
				BW	Body Weight	15	kg	USEPA, 2015	
				ADAF	Age Dependent Adjustment Factor	See Below (1)	unitless	USEPA, 2005	
				AT-C	Cancer Averaging Time - Non-Cancer	25,550	days	USEPA, 1989	
				AT-N		2,190	days	USEPA, 1989	
Dermal	Resident Adult/Child	Child/Adult	Surface Water	--	--	--	--	--	Child/Adult cancer risks will be calculated as the sum of the Child cancer risk and the Adult cancer risk

(1) Average surface area for feet of an adult, Table ES-1; water only deep enough to wet feet.
(2) Assumes two days per week.
(3) For mutagens (USEPA, 2005):

Age Group	ADAF	ED_i
0 to < 2 years	10	2
2 to < 6 years	3	4
6 to < 16 years	3	10
16 to 70 years	1	10

(4) Average surface area for feet of a 3 to <6 year old child, Table ES-1; water only deep enough to wet feet.

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2005. Supplemental Guidance for Assessing Susceptibility From Early Life Exposure to Carcinogens, Risk Assessment forum. March 2005. EPA/630/R-03/003F.
USEPA, 2011. Exposure Factors Handbook: 2011 Edition, USEPA, September 2011.
USEPA, 2015. Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, updated September 14, 2015.

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TABLE K.4.16
VALUES USED FOR DAILY INTAKE CALCULATIONS FOR COMMERCIAL/INDUSTRIAL WORKER - DIRECT EXPOSURE
REASONABLE MAXIMUM EXPOSURE

Scenario Timeframe: Current / Future
Medium: Surface Water
Exposure Medium: Surface Water

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Dermal	Trespasser	Adolescent (age 7-16)	Surface Water	DA event	Absorbed dose per event	Per RAGS, Part E, See Table L.13	mg/cm^2-event	USEPA, 2004	Dermally Absorbed Dose (DAD) (mg/kg-day) =
				SA	Surface Area of Exposed Skin	1,050	cm^2	USEPA, 2011 (1)	DAevent x SA x EF x ED / BW x AT
				EF	Exposure Frequency	104	days/year	Professional judgment (2)	
				ED	Exposure Duration	10	years	USEPA, 2014	
				BW	Body Weight	45	kg	USEPA, 2014	
				AT-C	Cancer	25,550	days	USEPA, 1989	
				AT-N	Averaging Time - Non-Cancer	3,650	days	USEPA, 1989	

(1) Average surface area for feet for a youth of 11 to <16 years of age, Table ES-1; water only deep enough to wet feet.
(2) Assumes two days per week.
(3) Age-dependent adjustment factors for mutagens: 6<16 = 3; 16<30 = 1.

USEPA, 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A OERR EPA/540/1-89/002.
USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E. OSWER 9285.7-02 EP.
USEPA, 2011. Exposure Factors Handbook: 2011 Edition, USEPA, September 2011.
USEPA, 2014. Region 4 Human Health Risk Assessment Supplemental Guidance.

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TABLE K.5.1
NON-CANCER TOXICITY VALUES FOR INGESTION AND DERMAL PATHWAYS
Former Robert Bosch Tool Corporation Fountain Inn Division

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal [1]	Absorbed Dermal RfD [2]		Primary Target Organ	Combined Uncertainty/Modifying Factors	Sources of RfD: Target Organ
		Value	Units		Value	Units			
Metals/Inorganics:									
Arsenic	Chronic	3.0E-04	mg/kg-day	1	3.0E-04	mg/kg-day	Cardiovascular, Dermal	3	IRIS
Chromium (VI)[3]	Chronic	3.0E-03	mg/kg-day	0.025	7.5E-05	mg/kg-day	None	300	IRIS
Chromium (VI)[3]	Subchronic	5.0E-03	mg/kg-day	0.025	1.3E-04	mg/kg-day	Blood	100	ATSDR
Mercury (elemental)	Chronic	NA	mg/kg-day	1	NA	mg/kg-day	NA	NA	IRIS
VOCs:									
Chloroform	Chronic	1.0E-02	mg/kg-day	1	1.0E-02	mg/kg-day	Hepatic	100	IRIS
Chloroform	Subchronic	1.0E-01	mg/kg-day	1	1.0E-01	mg/kg-day	Hepatic	100	ATSDR
Tetrachloroethene	Chronic	6.0E-03	mg/kg-day	1	6.0E-03	mg/kg-day	Neurotoxicity	1000	IRIS
Tetrachloroethene	Subchronic	8.0E-03	mg/kg-day	1	8.0E-03	mg/kg-day	Hepatic	300	ATSDR
SVOCs:									
Benzo(a)pyrene	Chronic	NA	mg/kg-day	1	NA	mg/kg-day	NA	NA	IRIS

Notes:
mg/kg-day = milligrams per kilogram per day
NA = Not Available
ATSDR = Agency for Toxic Substances and Disease Registry
IRIS = Integrated Risk Information System
(1) Source: USEPA Regional Screening Level Table, November 2015.
(2) Reference Dose x Efficiency
(3) Toxicity value for hexavalent chromium used for total chromium.

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TABLE K.5.2
NON-CANCER TOXICITY VALUES FOR INHALATION PATHWAYS
Former Robert Bosch Tool Corporation Fountain Inn Division

Chemical of Potential Concern	Chronic/ Subchronic	Value Inhalation RfC	Units	Primary Target Organ	Combined Uncertainty/Modifying Factors	Sources of RfC:RfD: Target Organ
Metals/Inorganics:						
Arsenic	Chronic	1.50E-05	mg/m^3	Lung, Skin	30	CalEPA
Chromium (VI) (1)	Chronic	1.00E-04	mg/m^3	Respiratory	300	IRIS
Chromium (VI) (1)	Subchronic	3.00E-04	mg/m^3	Blood	30	ATSDR
Mercury (elemental)	Chronic	3.00E-04	mg/m^3	Nervous	30	IRIS
VOCs:						
Chloroform	Chronic	9.80E-02	mg/m^3	Hepatic	100	ATSDR
Chloroform	Subchronic	2.44E-01	mg/m^3	Hepatic	300	ATSDR
Tetrachloroethene	Chronic	4.00E-02	mg/m^3	Neurotoxicity	1000	IRIS
Tetrachloroethene	Subchronic	6.00E-03	mg/m^3	Neurotoxicity	300	ATSDR
SVOCs:						
Benzo(a)pyrene	Chronic	NA	mg/m^3	NA	NA	IRIS

Notes:
(1) Toxicity value for hexavalent chromium used for total chromium.
NA = Not Available
mg/m^3 = milligrams per cubic meter
ATSDR = Agency for Toxic Substances and Disease Registry
CalEPA = California Environmental Protection Agency
IRIS = Integrated Risk Information System

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TABLE K.6.1
CARCINOGENIC TOXICITY VALUES FOR INGESTION AND DERMAL PATHWAYS
Former Robert Bosch Tool Corporation Fountain Inn Division

Chemical of Potential Concern	Oral Cancer Slope Factor	Units	Oral Absorption Efficiency for Dermal (1)	Adjusted Dermal Cancer Slope Factor (2)	Weight of Evidence	Source
Metals/Inorganics:						
Arsenic	1.5E+00	$mg/kg\text{-}day^{-1}$	1	1.5E+00	A	IRIS
Chromium (VI)(3) - M	5.0E-01	$mg/kg\text{-}day^{-1}$	0.025	1.3E-02	D	New Jersey
Mercury (elemental)	NA	$mg/kg\text{-}day^{-1}$	1	NA	D	IRIS
VOCs:						
Chloroform	3.1E-02	$mg/kg\text{-}day^{-1}$	1	3.1E-02	B2	CalEPA
Tetrachloroethene	2.1E-03	$mg/kg\text{-}day^{-1}$	1	2.1E-03	C	IRIS
SVOCs:						
Benzo(a)pyrene - M	7.3E+00	$mg/kg\text{-}day^{-1}$	1	7.3E+00	B2	IRIS

PREPARED BY/DATE: SAG 3/2/2016
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Notes:
M = Mutagen
NA = Not Available
$mg/kg\text{-}day^{-1}$ = reciprocal of milligrams per kilogram per day
(1) Source: USEPA Regional Screening Level Table, November 2015.
(2) Slope Factor x Efficiency
(3) Toxicity value for hexavalent chromium used for total chromium.
IRIS = Integrated Risk Information System
Cal EPA = California Environmental Protection Agency
New Jersey = New Jersey Department of Environmental Protection (NJDEP).
EPA Group:
A - Human Carcinogen
B1 - Probably human carcingen; limited evidence in humans
B2 - Probable human carcingen
C - Suggestive evidence of carcinogenic potential
D - Inadequate or no evidence in humans

TABLE K.6.2

CARCINOGENIC TOXICITY VALUES FOR INHALATION PATHWAYS

Former Robert Bosch Tool Corporation Fountain Inn Division

Chemical of Potential Concern	Unit Risk	Units	Adjusted Unit Risk	Units	Weight of Evidence	Source
Metals/Inorganics:						
Arsenic	4.30E-03	$(ug/m^3)^{-1}$	4.30E+00	$(mg/m^3)^{-1}$	A	IRIS
Chromium (VI)(1) - M	8.40E-02	$(ug/m^3)^{-1}$	8.40E+01	$(mg/m^3)^{-1}$	A	IRIS
Mercury (elemental)	NA	$(ug/m^3)^{-1}$	NA	$(mg/m^3)^{-1}$	D	IRIS
VOCs:						
Chloroform	2.3E-05	$(ug/m^3)^{-1}$	2.30E-02	$(mg/m^3)^{-1}$	B2	IRIS
Tetrachloroethene	2.6E-07	$(ug/m^3)^{-1}$	2.60E-04	$(mg/m^3)^{-1}$	Likely to be carcinogenic	IRIS
SVOCs:						
Benzo(a)pyrene - M	1.1E-03	$(ug/m^3)^{-1}$	1.10E+00	$(mg/m^3)^{-1}$	B2	Cal EPA

PREPARED BY/DATE: SAG 3/2/2016

CHECKED BY/DATE: LWC 3/2/2016

Notes:

(1) Toxicity value for total chromium (1.2E-2 per ug/m^3) multiplied by 7 to account for the ration of hexavalent chromiun trivalent chromium of 1 to 6 per USEPA Regional Screening Level Users Guide.

M = Mutagen

NA = Not Available

$(ug/m^3)^{-1}$ = reciprocal of micrograms per cubic meter

$(mg/m^3)^{-1}$ = reciprocal of milligrams per cubic meter

Cal EPA = California Environmental Protection Agency

IRIS = Integrated Risk Information System

EPA Group:

A - Human Carcinogen

B1 - Probably human carcingen; limited evidence in humans

B2 - Probable human carcingen; sufficient evidence in animals with inadequate evidence in humans

C - Suggestive evidence of carcinogenic potential

D - inadequate or no evidence in humans

TABLE K.7.1
ESTIMATE OF DERMALLY ABSORBED DOSE PER EVENT FOR ONSITE RECEPTORS - SOIL
Former Robert Bosch Tool Corporation Fountain Inn Division

Residential Adult - Surface Soil:

Constituent	Exposure Point Concentration (EPC), mg/kg	Conversion Factor (CF) (1E-6 kg/mg)	Adherence Factor of soil/sediment to Skin (SAF) (mg/cm^2-event) (a)	Dermal Absorption Efficiency (AE) (unitless) (b)	Dermally Absorbed dose per Event (DA_{event}) (mg/cm^2-event) (c)
Arsenic	2.1E+00	1.E-06	0.07	0.03	4.4.E-09
Chromium	1.4E+02	1.E-06	0.07	0.001	9.8.E-09
Benzo(a)pyrene	4.5E-02	1.E-06	0.07	0.13	4.1.E-10

Residential Child - Surface Soil:

Constituent	Exposure Point Concentration (EPC), mg/kg	Conversion Factor (CF) (1E-6 kg/mg)	Adherence Factor of soil/sediment to Skin (SAF) (mg/cm^2-event) (a)	Dermal Absorption Efficiency (AE) (unitless) (b)	Dermally Absorbed dose per Event (DA_{event}) (mg/cm^2-event) (c)
Arsenic	2.1E+00	1.E-06	0.2	0.03	1.3.E-08
Chromium	1.4E+02	1.E-06	0.2	0.001	2.8.E-08
Benzo(a)pyrene	4.5E-02	1.E-06	0.2	0.13	1.2.E-09

Industrial/Commercial Worker - Surface Soil:

Constituent	Exposure Point Concentration (EPC), mg/kg	Conversion Factor (CF) (1E-6 kg/mg)	Adherence Factor of soil/sediment to Skin (SAF) (mg/cm^2-event) (d)	Dermal Absorption Efficiency (AE) (unitless) (b)	Dermally Absorbed dose per Event (DA_{event}) (mg/cm^2-event) (c)
Arsenic	2.1E+00	1.E-06	0.12	0.03	7.6.E-09
Chromium	1.4E+02	1.E-06	0.12	0.001	1.7.E-08
Benzo(a)pyrene	4.5E-02	1.E-06	0.12	0.13	7.0.E-10

Construction Worker - Surface and Subsurface Soil:

Constituent	Exposure Point Concentration (EPC), mg/kg	Conversion Factor (CF) (1E-6 kg/mg)	Adherence Factor of soil/sediment to Skin (SAF) (mg/cm^2-event) (e)	Dermal Absorption Efficiency (AE) (unitless) (b)	Dermally Absorbed dose per Event (DA_{event}) (mg/cm^2-event) (c)
Arsenic	2.1E+00	1.E-06	0.3	0.03	1.9.E-08
Chromium	1.4E+02	1.E-06	0.3	0.001	4.2.E-08
Benzo(a)pyrene	4.5E-02	1.E-06	0.3	0.13	1.8.E-09

Youth Trespasser - Surface Soil:

Constituent	Exposure Point Concentration (EPC), mg/kg	Conversion Factor (CF) (1E-6 kg/mg)	Adherence Factor of soil/sediment to Skin (SAF) (mg/cm^2-event) (a)	Dermal Absorption Efficiency (AE) (unitless) (b)	Dermally Absorbed dose per Event (DA_{event}) (mg/cm^2-event) (c)
Arsenic	2.1E+00	1.E-06	0.07	0.03	4.4.E-09
Chromium	1.4E+02	1.E-06	0.07	0.001	9.8.E-09
Benzo(a)pyrene	4.5E-02	1.E-06	0.07	0.13	4.1.E-10

Notes:

(a) EPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E, Exhibit 3-5. OSWER 9285.7-02 EP. Values are for the RME Scenario.

(b) EPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E, Exhibit 3-4. OSWER 9285.7-02 EP.

Chemical	Absorption Efficiency	
Arsenic	0.03	Arsenic value from EPA 2004
Cadmium	0.001	(used for metals)
Benzo(a)pyrene	0.13	(used for polycyclic aromatic hydrocarbons [PAHs])

(c) = EPC x CF x SAF x AE

(d) USEPA, 2015. Human Health Evaluation manual, Supplemental Guidance: Update of Standard Default Exposure Factors, OSWER Directive 9200.1-120, updated September 14, 2015.

(e) EPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E, Exhibit 3-3. OSWER 9285.7-02 EP.

PREPARED/DATE: SAG 3/2/2016
CHECKED/DATE: LWC 3/2/2016

TABLE K.7.2
CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - SITE INDUSTRIAL/COMMERCIAL WORKER
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	Current / Future
Receptor Population:	Industrial/Commercial Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF		Cancer Risk	Intake/Exposure Concentration		RfD		Hazard Quotient
					Value	Units	Value	Units	Value	Units		Value	Units	Value	Units	
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Incidental Ingestion	Arsenic*	1.3E+00	mg/kg	3.5E-07	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	5.2E-07	9.7E-07	mg/kg-day	3.0E-04	mg/kg-day	3.2E-03
				Chromium	1.4E+02	mg/kg	3.9E-05	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	1.9E-05	1.1E-04	mg/kg-day	3.0E-03	mg/kg-day	3.6E-02
				Benzo(a)pyrene	4.5E-02	mg/kg	1.2E-08	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	9.0E-08	3.5E-08	mg/kg-day	NA	mg/kg-day	NA
				Exposure Route Total							2.E-05					4E-02
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Dermal Contact	Arsenic	7.6E-09	mg/cm^2-event	7.3E-08	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	1.1E-07	2.1E-07	mg/kg-day	3.0E-04	mg/kg-day	6.9E-04
				Chromium	1.7E-08	mg/cm^2-event	1.6E-07	mg/kg-day	1.3E-02	$(mg/kg\text{-}day)^{-1}$	2.1E-09	4.6E-07	mg/kg-day	7.5E-05	mg/kg-day	6.1E-03
				Benzo(a)pyrene	7.0E-10	mg/cm^2-event	6.8E-09	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	5.0E-08	1.9E-08	mg/kg-day	NA	mg/kg-day	NA
				Exposure Route Total							2.E-07					7E-03
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Inhalation of Particulates	Arsenic	2.1E+00	mg/kg	3.4E-10	mg/m3	4.3E+00	$(mg/m^3)^{-1}$	1.5E-09	9.5E-10	mg/m3	1.5E-05	mg/m3	6.3E-05
				Chromium	1.4E+02	mg/kg	2.3E-08	mg/m3	8.4E+01	$(mg/m^3)^{-1}$	1.9E-06	6.3E-08	mg/m3	1.0E-04	mg/m3	6.3E-04
				Benzo(a)pyrene	4.5E-02	mg/kg	7.3E-12	mg/m3	1.1E+00	$(mg/m^3)^{-1}$	8.0E-12	2.0E-11	mg/m3	NA	mg/m3	NA
				Exposure Route Total							2.E-06					7E-04
	Exposure Medium Total										2.E-05					5E-02
Media Total											2.E-05					5E-02
TOTAL OF RECEPTOR RISK ACROSS ALL MEDIA:											2.E-05	**TOTAL OF RECEPTOR HAZARDS ACROSS ALL MEDIA:**				5E-02

Arsenic* = Ingestion exposure point concentration for Arsenic multiplied by 0.6 to reflect default relative bioavailability (OSWER 9200.1-113).

PREPARED/DATE: SAG 3/02/16
CHECKED/DATE: LWC 3/02/16

TABLE K.7.3
CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - SITE UTILITY/CONSTRUCTION WORKER
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	Future
Receptor Population:	Utility/Construction Worker
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF		Risk	Intake/Exposure Concentration		RfD		Hazard Quotient
					Value	Units	Value	Units	Value	Units		Value	Units	Value	Units	
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Incidental Ingestion	Arsenic*	1.3E+00	mg/kg	2.5E-08	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	3.8E-08	1.8E-06	mg/kg-day	3.0E-04	mg/kg-day	5.9E-03
				Chromium	1.4E+02	mg/kg	2.8E-06	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	1.4E-06	2.0E-04	mg/kg-day	5.0E-03	mg/kg-day	3.9E-02
				Benzo(a)pyrene	4.5E-02	mg/kg	9.1E-10	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	6.6E-09	6.3E-08	mg/kg-day	NA	mg/kg-day	NA
			Exposure Route Total								1.E-06					5E-02
Surface and Subsurface Soil	Surface Soil Subsurface Soil	Surface and Subsurface Soil	Dermal Contact	Arsenic	1.9E-08	mg/cm^2-event	4.1E-09	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	6.1E-09	2.9E-07	mg/kg-day	3.0E-04	mg/kg-day	9.5E-04
				Chromium	4.2E-08	mg/cm^2-event	9.1E-09	mg/kg-day	1.3E-02	$(mg/kg\text{-}day)^{-1}$	1.2E-10	6.3E-07	mg/kg-day	1.3E-04	mg/kg-day	4.9E-03
				Benzo(a)pyrene	1.8E-09	mg/cm^2-event	3.8E-10	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	2.8E-09	2.7E-08	mg/kg-day	NA	mg/kg-day	NA
			Exposure Route Total								9.E-09					6E-03
Surface and Subsurface Soil	Surface Soil Subsurface Soil	Surface and Subsurface Soil	Inhalation of Particulates	Arsenic	2.1E+00	mg/kg	7.6E-12	mg/m3	4.3E+00	$(mg/m^3)^{-1}$	3.3E-11	5.3E-10	mg/m3	1.5E-05	mg/m3	3.5E-05
				Chromium	1.4E+02	mg/kg	5.0E-10	mg/m3	8.4E+01	$(mg/m^3)^{-1}$	4.2E-08	3.5E-08	mg/m3	3.0E-04	mg/m3	1.2E-04
				Benzo(a)pyrene	4.5E-02	mg/kg	1.6E-13	mg/m3	1.1E+00	$(mg/m^3)^{-1}$	1.8E-13	1.1E-11	mg/m3	NA	mg/m3	NA
			Exposure Route Total								4.E-08					2E-04
	Exposure Medium Total										2.E-06					5E-02
Media Total											2.E-06					5E-02
TOTAL OF RECEPTOR RISK ACROSS ALL MEDIA:											2.E-06	**TOTAL OF RECEPTOR HAZARDS ACROSS ALL MEDIA:**				5E-02

Arsenic* = Ingestion exposure point concentration for Arsenic multiplied by 0.6 to reflect default relative bioavailability (OSWER 9200.1-113).

PREPARED/DATE: SAG 3/2/2016
CHECKED/DATE: LWC 3/2/2016

TABLE K.7.4
CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL ADULT
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	Future
Receptor Population:	Resident
Receptor Age:	Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF		Risk	Intake/Exposure Concentration		RfD		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Incidental Ingestion	Arsenic*	1.3E+00	mg/kg	4.3E-07	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	6.5E-07	1.5E-06	mg/kg-day	3.0E-04	mg/kg-day	5.0E-03
				Chromium (M)	1.4E+02	mg/kg	9.6E-05	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	4.8E-05	1.7E-04	mg/kg-day	3.0E-03	mg/kg-day	5.6E-02
				Benzo(a)pyrene (M)	4.5E-02	mg/kg	3.1E-08	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	2.3E-07	5.4E-08	mg/kg-day	NA	mg/kg-day	NA
			Exposure Route Total								5.E-05					6E-02
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Dermal Contact	Arsenic	4.4E-09	mg/cm^2-event	1.0E-07	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	1.6E-07	3.6E-07	mg/kg-day	3.0E-04	mg/kg-day	1.2E-03
				Chromium (M)	9.8E-09	mg/cm^2-event	4.6E-07	mg/kg-day	1.3E-02	$(mg/kg\text{-}day)^{-1}$	6.0E-09	8.1E-07	mg/kg-day	7.5E-05	mg/kg-day	1.1E-02
				Benzo(a)pyrene (M)	4.1E-10	mg/cm^2-event	1.9E-08	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	1.4E-07	3.4E-08	mg/kg-day	NA	mg/kg-day	NA
			Exposure Route Total								3.E-07					1E-02
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Inhalation of Particulates	Arsenic	2.1E+00	mg/kg	4.2E-10	mg/m3	4.3E+00	$(mg/m^3)^{-1}$	1.8E-09	1.5E-09	mg/m3	1.5E-05	mg/m3	9.9E-05
				Chromium (M)	1.4E+02	mg/kg	5.6E-08	mg/m3	8.4E+01	$(mg/m^3)^{-1}$	4.7E-06	9.9E-08	mg/m3	1.0E-04	mg/m3	9.9E-04
				Benzo(a)pyrene (M)	4.5E-02	mg/kg	1.8E-11	mg/m3	1.1E+00	$(mg/m^3)^{-1}$	2.0E-11	3.2E-11	mg/m3	NA	mg/m3	NA
			Exposure Route Total								5.E-06					1E-03
	Exposure Medium Total										5.E-05					7E-02
Media Total											5.E-05					7E-02
											TOTAL OF RECEPTOR RISK ACROSS ALL MEDIA: 5.E-05				**TOTAL OF RECEPTOR HAZARDS ACROSS ALL MEDIA:**	7E-02

Arsenic* = Ingestion exposure point concentration for Arsenic multiplied by 0.6 to reflect default relative bioavailability (OSWER 9200.1-113).
(M) Compound listed as a mutagen and adjusted by age-dependent adjustment factors for cancer risk calculations.

PREPARED/DATE: SAG 3/2/2016
CHECKED/DATE: LWC 3/2/2016

TABLE K.7.5
CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL CHILD
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF		Risk	Intake/Exposure Concentration		RfD		Quotient
					Value	Units	Value	Units	Value	Units		Value	Units	Value	Units	
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Incidental Ingestion	Arsenic*	1.3E+00	mg/kg	1.4E-06	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	2.1E-06	1.6E-05	mg/kg-day	3.0E-04	mg/kg-day	5.4E-02
				Chromium (M)	1.4E+02	mg/kg	8.2E-04	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	4.1E-04	1.8E-03	mg/kg-day	3.0E-03	mg/kg-day	6.0E-01
				Benzo(a)pyrene (M)	4.5E-02	mg/kg	2.6E-07	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	1.9E-06	5.8E-07	mg/kg-day	NA	mg/kg-day	NA
			Exposure Route Total								4.E-04					7E-01
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Dermal Contact	Arsenic	1.3E-08	mg/cm^2-event	1.6E-07	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	2.5E-07	1.9E-06	mg/kg-day	3.0E-04	mg/kg-day	6.4E-03
				Chromium (M)	2.8E-08	mg/cm^2-event	1.9E-06	mg/kg-day	1.3E-02	$(mg/kg\text{-}day)^{-1}$	2.5E-08	4.3E-06	mg/kg-day	7.5E-05	mg/kg-day	5.7E-02
				Benzo(a)pyrene (M)	1.2E-09	mg/cm^2-event	8.1E-08	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	5.9E-07	1.8E-07	mg/kg-day	NA	mg/kg-day	NA
			Exposure Route Total								9.E-07					6E-02
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Inhalation of Particulates	Arsenic	2.1E+00	mg/kg	1.3E-10	mg/m3	4.3E+00	$(mg/m^3)^{-1}$	5.5E-10	1.5E-09	mg/m3	1.5E-05	mg/m3	9.9E-05
				Chromium (M)	1.4E+02	mg/kg	4.5E-08	mg/m3	8.4E+01	$(mg/m^3)^{-1}$	3.8E-06	9.9E-08	mg/m3	1.0E-04	mg/m3	9.9E-04
				Benzo(a)pyrene (M)	4.5E-02	mg/kg	1.4E-11	mg/m3	1.1E+00	$(mg/m^3)^{-1}$	1.6E-11	3.2E-11	mg/m3	NA	mg/m3	NA
			Exposure Route Total								4.E-06					1E-03
	Exposure Medium Total										4.E-04					7E-01
Media Total											4.E-04					7E-01
											TOTAL OF RECEPTOR RISK ACROSS ALL MEDIA 4.E-04					**TOTAL OF RECEPTOR HAZARDS ACROSS ALL MEDIA** 7E-01

Arsenic* = Ingestion exposure point concentration for Arsenic multiplied by 0.6 to reflect default relative bioavailability (OSWER 9200.1-113).
(M) Compound listed as a mutagen and adjusted by age-dependent adjustment factors for cancer risk calculations.

PREPARED/DATE: SAG 3/2/2016
CHECKED/DATE: LWC 3/2/2016

TABLE K.7.6
CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL ADULT AND CHILD COMBINED
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	Future
Receptor Population:	Resident
Receptor Age:	Adult/Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF		Risk	Intake/Exposure Concentration		RfD		Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Incidental Ingestion	Arsenic*	1.3E+00	mg/kg	1.8E-06	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	2.7E-06	--	--	--	--	--
				Chromium (M)	1.4E+02	mg/kg	9.1E-04	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	4.6E-04	--	--	--	--	--
				Benzo(a)pyrene (M)	4.5E-02	mg/kg	2.9E-07	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	2.1E-06	--	--	--	--	--
			Exposure Route Total								5.E-04					--
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Dermal Contact	Arsenic	1.3E-08	mg/cm^2-event	4.6E-07	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	6.9E-07	--	--	--	--	--
				Chromium (M)	2.8E-08	mg/cm^2-event	3.3E-06	mg/kg-day	1.3E-02	$(mg/kg\text{-}day)^{-1}$	4.3E-08	--	--	--	--	--
				Benzo(a)pyrene (M)	1.2E-09	mg/cm^2-event	1.4E-07	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	1.0E-06	--	--	--	--	--
			Exposure Route Total								2.E-06					--
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Inhalation of Particulates	Arsenic	2.1E+00	mg/kg	5.5E-10	mg/m3	4.3E+00	$(mg/m^3)^{-1}$	2.4E-09	--	--	--	--	--
				Chromium (M)	1.4E+02	mg/kg	1.0E-07	mg/m3	8.4E+01	$(mg/m^3)^{-1}$	8.5E-06	--	--	--	--	--
				Benzo(a)pyrene (M)	4.5E-02	mg/kg	3.3E-11	mg/m3	1.1E+00	$(mg/m^3)^{-1}$	3.6E-11	--	--	--	--	--
			Exposure Route Total								9.E-06					--
	Exposure Medium Total										5.E-04					--
Media Total											5.E-04					--
											TOTAL OF RECEPTOR RISK ACROSS ALL MEDIA 5.E-04					**TOTAL OF RECEPTOR HAZARDS ACROSS ALL MEDIA** --

Arsenic* = Ingestion exposure point concentration for Arsenic multiplied by 0.6 to reflect default relative bioavailability (OSWER 9200.1-113).
(M) Compound listed as a mutagen and adjusted by age-dependent adjustment factors for cancer risk calculations.

PREPARED/DATE: SAG 3/3/16
CHECKED/DATE: MKB 3/3/16

TABLE K.7.7
CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - YOUTH TRESPASSER
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: Youth Trespasser
Receptor Age: Youth (age 7-16)

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF		Risk	Intake/Exposure Concentration		RfD		Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Incidental Ingestion	Arsenic*	1.3E+00	mg/kg	5.7E-08	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	8.5E-08	5.0E-07	mg/kg-day	3.0E-04	mg/kg-day	1.7E-03
				Chromium	1.4E+02	mg/kg	6.3E-06	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	3.2E-06	5.5E-05	mg/kg-day	3.0E-03	mg/kg-day	1.8E-02
				Benzo(a)pyrene	4.5E-02	mg/kg	2.0E-09	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	1.5E-08	1.8E-08	mg/kg-day	NA	mg/kg-day	NA
			Exposure Route Total								3.E-06					2E-02
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Dermal Contact	Arsenic	4.4E-09	mg/cm^2-event	1.2E-08	mg/kg-day	1.5E+00	$(mg/kg\text{-}day)^{-1}$	1.8E-08	1.1E-07	mg/kg-day	3.0E-04	mg/kg-day	3.5E-04
				Chromium	9.8E-09	mg/cm^2-event	2.7E-08	mg/kg-day	1.3E-02	$(mg/kg\text{-}day)^{-1}$	3.5E-10	2.3E-07	mg/kg-day	7.5E-05	mg/kg-day	3.1E-03
				Benzo(a)pyrene	4.1E-10	mg/cm^2-event	1.1E-09	mg/kg-day	7.3E+00	$(mg/kg\text{-}day)^{-1}$	8.2E-09	9.8E-09	mg/kg-day	NA	mg/kg-day	NA
			Exposure Route Total								3.E-08					3E-03
Surface and Subsurface Soil	Surface and Subsurface Soil	Surface and Subsurface Soil	Inhalation of Particulates	Arsenic	2.1E+00	mg/kg	3.2E-11	mg/m3	4.3E+00	$(mg/m^3)^{-1}$	1.4E-10	2.8E-10	mg/m3	1.5E-05	mg/m3	1.8E-05
				Chromium	1.4E+02	mg/kg	2.1E-09	mg/m3	8.4E+01	$(mg/m^3)^{-1}$	1.8E-07	1.8E-08	mg/m3	1.0E-04	mg/m3	1.8E-04
				Benzo(a)pyrene	4.5E-02	mg/kg	6.8E-13	mg/m3	1.1E+00	$(mg/m^3)^{-1}$	7.4E-13	5.9E-12	mg/m3	NA	mg/m3	NA
			Exposure Route Total								2.E-07					2E-04
	Exposure Medium Total										3.E-06					2E-02
Media Total											3.E-06					2E-02
											TOTAL OF RECEPTOR RISK ACROSS ALL MEDIA 3.E-06					**TOTAL OF RECEPTOR HAZARDS ACROSS ALL MEDIA** 2E-02

Arsenic* = Ingestion exposure point concentration for Arsenic multiplied by 0.6 to reflect default relative bioavailability (OSWER 9200.1-113).

PREPARED/DATE: SAG 3/2/2016
CHECKED/DATE: LWC 3/2/2016

TABLE K.7.8

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - SITE INDUSTRIAL/COMMERCIAL WORKER

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future On-Site Commercial/Industrial Worker**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chromium	2.30E-03	mg/L	7.9E-06	mg/kg-day	5.0E-01	$(mg/kg-day)^{-1}$	4E-06	2.2E-05	mg/kg-day	3.0E-03	mg/kg-day	7.E-03
				Tetrachloroethene	1.10E+00	mg/L	3.8E-03	mg/kg-day	2.1E-03	$(mg/kg-day)^{-1}$	8E-06	1.1E-02	mg/kg-day	6.0E-03	mg/kg-day	2.E+00
			Exp. Route Total								1E-05					1.8.E+00
Groundwater	Groundwater	Groundwater	Dermal	Chromium	1.30E-09	mg/cm2-event	3.5E-09	mg/kg-day	1.3E-02	$(mg/kg-day)^{-1}$	5E-11	9.8E-09	mg/kg-day	7.5E-05	mg/kg-day	1.E-04
				Tetrachloroethene	5.15E-05	mg/cm2-event	1.4E-04	mg/kg-day	2.1E-03	$(mg/kg-day)^{-1}$	3E-07	3.9E-04	mg/kg-day	6.0E-03	mg/kg-day	6.E-02
			Exp. Route Total								3E-07					6.5.E-02
		Exposure Point Total									1E-05					1.8.E+00
	Exposure Medium Total										1E-05					2.E+00
Groundwater	Indoor Air (Vapor Intrusion)	Indoor Air	Inhalation	Mercury	5.63E-02	ug/m^3	5.2E-03	ug/m^3	NA	$(ug/m^3)^{-1}$	NA	1.4E-05	mg/m^3	3.0E-04	mg/m^3	5.E-02
				Tetrachloroethene	7.96E+02	ug/m^3	7.3E+01	ug/m^3	2.60E-07	$(ug/m^3)^{-1}$	2E-05	2.0E-01	mg/m^3	4.0E-02	mg/m^3	5.E+00
			Exp. Route Total								2E-05					5.E+00
		Exposure Point Total									2E-05					5.E+00
	Exposure Medium Total										2E-05					5.E+00
Groundwater Total											3E-05					7.E+00

PREPARED BY/DATE: SAG 3/2/2016

CHECKED BY/DATE: LWC 3/2/2016

TABLE K.7.9

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS- SITE UTILITY/CONSTRUCTION WORKER

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future On-Site Construction Worker**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units		Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chromium	2.30E-03	mg/L	2.8E-09	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	1E-09	2.0E-07	mg/kg-day	5.0E-03	mg/kg-day	4.E-05
				Tetrachloroethene	1.10E+00	mg/L	1.3E-06	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	3E-09	9.4E-05	mg/kg-day	8.0E-03	mg/kg-day	1.E-02
			Exp. Route Total								4E-09					1.2.E-02
Groundwater	Groundwater	Groundwater	Dermal	Chromium	9.20E-09	$mg/cm2\text{-}event$	2.0E-09	mg/kg-day	1.3E-02	$(mg/kg\text{-}day)^{-1}$	3E-11	1.4E-07	mg/kg-day	1.3E-04	mg/kg-day	1.E-03
				Tetrachloroethene	1.37E-04	$mg/cm^2\text{-}event$	3.0E-05	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	6E-08	2.1E-03	mg/kg-day	8.0E-03	mg/kg-day	3.E-01
			Exp. Route Total								6E-08					3E-01
		Exposure Point Total									7E-08					3E-01
	Exposure Medium Total										7E-08					3.E-01
Groundwater Total											7E-08					3.E-01

PREPARED BY/DATE: SAG 3/2/2016

CHECKED BY/DATE: LWC 3/2/2016

TABLE K.7.10

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL ADULT

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future On-Site Resident**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chromium (M)	2.30E-03	mg/L	3.9E-05	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	2E-05	6.9E-05	mg/kg-day	3.0E-03	mg/kg-day	2.E-02
				Tetrachloroethene	1.10E+00	mg/L	9.4E-03	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	2E-05	3.3E-02	mg/kg-day	6.0E-03	mg/kg-day	6.E+00
			Exp. Route Total								4E-05					5.5.E+00
Groundwater	Groundwater	Groundwater	Dermal	Chromium (M)	3.27E-09	mg/cm^2-event	4.4E-07	mg/kg-day	1.3E-02	(mg/kg-day)-1	6E-09	7.7E-07	mg/kg-day	7.5E-05	mg/kg-day	1.E-02
				Tetrachloroethene	8.16E-05	mg/cm^2-event	5.5E-03	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	1E-05	1.9E-02	mg/kg-day	6.0E-03	mg/kg-day	3.E+00
			Exp. Route Total								1E-05					3.2.E+00
		Exposure Point Total									5E-05					8.7.E+00
	Exposure Medium Total										5E-05					9.E+00
Groundwater Total											5E-05					9.E+00

(M) Compound listed as a mutagen and adjusted by age-dependent adjustment factors.

PREPARED BY/DATE: SAG 3/2/2016

CHECKED BY/DATE: LWC 3/2/2016

TABLE K.7.11

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL ADULT

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future On-Site Resident**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	Age-Adjusted	Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Inhalation During Groundwater Use	Tetrachloroethene	1.10E+00	mg/L	1.5E-01	mg/m^3	2.6E-04	$(mg/m^3)^{-1}$	4E-05	5.3E-01	mg/m^3	4.0E-02	mg/m^3	1.E+01
			Exp. Route Total								4E-05					1.3.E+01
		Exposure Point Total									4E-05					1.3.E+01
	Exposure Medium Total										4E-05					1.E+01
Groundwater	Indoor Air (Vapor Intrusion)	Indoor Air	Inhalation	Mercury Tetrachloroethene	5.63E-02 7.96E+02	ug/m^3 ug/m^3	1.5E-02 2.2E+02	ug/m^3 ug/m^3	NA 2.60E-07	$(ug/m^3)^{-1}$ $(ug/m^3)^{-1}$	NA 6E-05	5.4E-05 7.6E-01	mg/m^3 mg/m^3	3.0E-04 4.0E-02	mg/m^3 mg/m^3	2.E-01 2.E+01
			Exp. Route Total								6E-05					2.E+01
		Exposure Point Total									6E-05					2.E+01
	Exposure Medium Total										6E-05					2.E+01
Groundwater Total											1E-04					3.E+01

PREPARED BY/DATE: SAG 3/2/2016

CHECKED BY/DATE: LWC 3/2/2016

TABLE K.7.12

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL CHILD

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future On-Site Resident**
Receptor Age:	**Child**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	Age-Adjusted	Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chromium (M)	2.30E-03	mg/L	5.2E-05	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	3E-05	1.1E-04	mg/kg-day	3.0E-03	mg/kg-day	4.E-02
				Tetrachloroethene	1.10E+00	mg/L	4.7E-03	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	1E-05	5.5E-02	mg/kg-day	6.0E-03	mg/kg-day	9.E+00
			Exp. Route Total								4E-05					9.2.E+00
Groundwater	Groundwater	Groundwater	Dermal	Chromium (M)	2.48E-09	mg/cm2-event	4.6E-07	mg/kg-day	1.3E-02	(mg/kg-day)-1	6E-09	1.0E-06	mg/kg-day	7.5E-05	mg/kg-day	1.E-02
				Tetrachloroethene	7.38E-05	mg/cm^2-event	2.6E-03	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	5E-06	3.0E-02	mg/kg-day	6.0E-03	mg/kg-day	5.E+00
			Exp. Route Total								5E-06					5.0.E+00
		Exposure Point Total									4E-05					1.4.E+01
	Exposure Medium Total										4E-05					1.E+01
Groundwater Total											4E-05					1.E+01

(M) Compound listed as a mutagen and adjusted by age-dependent adjustment factors.

PREPARED BY/DATE: SAG 3/2/2016

CHECKED BY/DATE: LWC 3/2/2016

TABLE K.7.13

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL CHILD

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**FutureOn-Site Resident**
Receptor Age:	**Child**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	Age-Adjusted	Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Inhalation During Groundwater Use	Tetrachloroethene	1.10E+00	mg/L	4.5E-02	mg/m^3	2.6E-04	$(mg/m^3)^{-1}$	1E-05	5.3E-01	mg/m^3	4.0E-02	mg/m^3	1.E+01
			Exp. Route Total								1E-05					1.3.E+01
		Exposure Point Total									1E-05					1.3.E+01
	Exposure Medium Total										1E-05					1.E+01
Groundwater	Indoor Air (Vapor Intrusion)	Indoor Air	Inhalation	Mercury	5.63E-02	ug/m^3	4.6E-03	ug/m^3	NA	$(ug/m^3)^{-1}$	NA	5.4E-05	mg/m^3	3.0E-04	mg/m^3	2.E-01
				Tetrachloroethene	7.96E+02	ug/m^3	6.5E+01	ug/m^3	2.60E-07	$(ug/m^3)^{-1}$	2E-05	7.6E-01	mg/m^3	4.0E-02	mg/m^3	2.E+01
			Exp. Route Total								2E-05					2.E+01
		Exposure Point Total									2E-05					2.E+01
	Exposure Medium Total										2E-05					2.E+01
Groundwater Total											3E-05					3.E+01

PREPARED BY/DATE: SAG 3/2/2016

CHECKED BY/DATE: LWC 3/2/2016

TABLE K.7.14
CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL ADULT AND CHILD COMBINED
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	Future
Receptor Population:	Resident
Receptor Age:	Adult/Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF		Cancer Risk	Intake/Exposure Concentration		RfD		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chromium (M)	2.3E-03	mg/L	9.2E-05	mg/kg-day	5.0E-01	$(mg/kg\text{-}day)^{-1}$	4.6E-05	--	--	--	--	--
				Tetrachloroethene	1.1E+00	mg/L	1.4E-02	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	3.0E-05	--	--	--	--	--
			Exposure Route Total								8.E-05					--
Groundwater	Groundwater	Groundwater	Dermal Contact	Chromium (M)	5.8E-09	mg/cm^2-event	1.8E-06	mg/kg-day	1.3E-02	$(mg/kg\text{-}day)^{-1}$	2.4E-08	--	--	--	--	--
				Tetrachloroethene	1.6E-04	mg/cm^2-event	1.6E-02	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	3.3E-05	--	--	--	--	--
			Exposure Route Total								3.E-05					--
Groundwater	Groundwater	Groundwater	Inhalation during Groundwater Use	Tetrachloroethene	1.1E+00	mg/L	2.0E-01	mg/m3	2.6E-04	$(mg/m^3)^{-1}$	5.1E-05	--	--	--	--	--
			Exposure Route Total								5.E-05					--
Groundwater	Indoor Air (Vapor Intrusion)	Indoor Air	Inhalation	Mercury	5.6E-02	ug/m3	2.0E-02	mg/m3	NA	(ug/m3)-1	NA	--	--	--	--	--
				Tetrachloroethene	8.0E+02	ug/m3	2.8E+02	mg/m3	2.6E-07	(ug/m3)-1	7.4E-05	--	--	--	--	--
			Exposure Route Total								7.E-05					--
	Exposure Medium Total										2.E-04					--
Media Total											2.E-04					--
											TOTAL OF RECEPTOR RISK ACROSS ALL MEDIA	2.E-04	**TOTAL OF RECEPTOR HAZARDS ACROSS ALL MEDIA**				--

Arsenic* = Ingestion exposure point concentration for Arsenic multiplied by 0.6 to reflect default relative bioavailability (OSWER 9200.1-113).
(M) Compound listed as a mutagen and adjusted by age-dependent adjustment factors for cancer risk calculations.

PREPARED/DATE: SAG 3/3/16
CHECKED/DATE: LWC 3/4/2016

TABLE K.7.15

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - SITE INDUSTRIAL/COMMERCIAL WORKER

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Commercial/Industrial Worker**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chloroform	8.60E-04	mg/L	3.0E-06	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	9E-08	8.3E-06	mg/kg-day	1.0E-02	mg/kg-day	8.E-04
				Tetrachloroethene	6.70E-02	mg/L	2.3E-04	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	5E-07	6.5E-04	mg/kg-day	6.0E-03	mg/kg-day	1.E-01
			Exp. Route Total								6E-07					1.1.E-01
Groundwater	Groundwater	Groundwater	Dermal	Chloroform	6.11E-09	mg/cm^2-event	1.6E-08	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	5E-10	4.6E-08	mg/kg-day	1.0E-02	mg/kg-day	5.E-06
				Tetrachloroethene	3.14E-06	mg/cm2-event	8.5E-06	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	2E-08	2.4E-05	mg/kg-day	6.0E-03	mg/kg-day	4.E-03
			Exp. Route Total								2E-08					4.0.E-03
		Exposure Point Total									6E-07					1.1.E-01
	Exposure Medium Total										6E-07					1.E-01
Groundwater	Indoor Air (Vapor Intrusion)	Indoor Air	Inhalation	Chloroform	1.29E-01	ug/m^3	1.2E-02	ug/m^3	2.30E-05	$(ug/m^3)^{-1}$	3E-07	3.3E-05	mg/m^3	9.8E-02	mg/m^3	3.E-04
				Tetrachloroethene	4.85E+01	ug/m^3	4.4E+00	ug/m^3	2.60E-07	$(ug/m^3)^{-1}$	1E-06	1.2E-02	mg/m^3	4.0E-02	mg/m^3	3.E-01
			Exp. Route Total								1E-06					3.E-01
		Exposure Point Total									1E-06					3.E-01
	Exposure Medium Total										1E-06					3.E-01
Groundwater Total											2E-06					4.E-01

PREPARED BY/DATE: SAG 3/3/2016

CHECKED BY/DATE: LWC 3/3/2016

TABLE K.7.16

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - SITE UTILITY/CONSTRUCTION WORKER

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Construction Worker**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chloroform	8.60E-04	mg/L	1.0E-09	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	3E-11	7.4E-08	mg/kg-day	1.0E-01	mg/kg-day	7.E-07
				Tetrachloroethene	6.70E-02	mg/L	8.2E-08	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	2E-10	5.7E-06	mg/kg-day	8.0E-03	mg/kg-day	7.E-04
			Exp. Route Total								2E-10					7.2.E-04
			Dermal	Chloroform	1.76E-08	mg/cm^2-event	3.8E-09	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	1E-10	2.7E-07	mg/kg-day	1.0E-01	mg/kg-day	3.E-06
				Tetrachloroethene	8.35E-06	mg/cm^2-event	1.8E-06	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	4E-09	1.3E-04	mg/kg-day	8.0E-03	mg/kg-day	2.E-02
			Exp. Route Total								4E-09					2E-02
		Exposure Point Total									4E-09					2E-02
	Exposure Medium Total										4E-09					2.E-02
Groundwater Total											4E-09					2.E-02

PREPARED BY/DATE: SAG 3/3/2016

CHECKED BY/DATE: LWC 3/3/2016

TABLE K.7.17

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL ADULT

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Resident**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units		Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chloroform	8.60E-04	mg/L	7.4E-06	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	2E-07	2.6E-05	mg/kg-day	1.0E-02	mg/kg-day	3.E-03
				Tetrachloroethene	6.70E-02	mg/L	5.7E-04	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	1E-06	2.0E-03	mg/kg-day	6.0E-03	mg/kg-day	3.E-01
			Exp. Route Total								1E-06					3.4.E-01
Groundwater	Groundwater	Groundwater	Dermal	Chloroform	9.68E-09	mg/cm^2-event	6.5E-07	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	2E-08	2.3E-06	mg/kg-day	1.0E-02	mg/kg-day	2.E-04
				Tetrachloroethene	4.97E-06	mg/cm^2-event	3.3E-04	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	7E-07	1.2E-03	mg/kg-day	6.0E-03	mg/kg-day	2.E-01
			Exp. Route Total								7E-07					2.0.E-01
		Exposure Point Total									2E-06					5.3.E-01
	Exposure Medium Total										2E-06					5.E-01
Groundwater Total											2E-06					5.E-01

PREPARED BY/DATE: SAG 3/3/2016

CHECKED BY/DATE: LWC 3/3/2016

TABLE K.7.18

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL ADULT

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Resident**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	Age-Adjusted	Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Inhalation During Groundwater Use	Chloroform	8.60E-04	mg/L	1.2E-04	mg/m^3	2.30E-05	$(ug/m^3)^{-1}$	3E-06	4.1E-04	mg/m^3	9.8E-02	mg/m^3	4.E-03
				Tetrachloroethene	6.70E-02	mg/L	9.2E-03	mg/m^3	2.60E-07	$(ug/m^3)^{-1}$	2E-06	3.2E-02	mg/m^3	4.0E-02	mg/m^3	8.E-01
			Exp. Route Total								5E-06					8.1.E-01
		Exposure Point Total									5E-06					8.1.E-01
	Exposure Medium Total										5E-06					8.E-01
Groundwater	Indoor Air (Vapor Intrusion)	Indoor Air	Inhalation	Chloroform	1.29E-01	ug/m^3	3.5E-02	ug/m^3	2.30E-05	$(ug/m^3)^{-1}$	8E-07	1.2E-04	mg/m^3	9.8E-02	mg/m^3	1.E-03
				Tetrachloroethene	4.85E+01	ug/m^3	1.3E+01	ug/m^3	2.60E-07	$(ug/m^3)^{-1}$	3E-06	4.7E-02	mg/m^3	4.0E-02	mg/m^3	1.E+00
			Exp. Route Total								4E-06					1.E+00
		Exposure Point Total									4E-06					1.E+00
	Exposure Medium Total										4E-06					1.E+00
Groundwater Total											9E-06					2.E+00

PREPARED BY/DATE: SAG 3/3/2016

CHECKED BY/DATE: LWC 3/3/2016

TABLE K.7.19

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL CHILD

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Resident**
Receptor Age:	**Child**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	Age-Adjusted	Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chloroform	8.60E-04	mg/L	3.7E-06	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	1E-07	4.3E-05	mg/kg-day	1.0E-02	mg/kg-day	4.E-03
				Tetrachloroethene	6.70E-02	mg/L	2.9E-04	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	6E-07	3.3E-03	mg/kg-day	6.0E-03	mg/kg-day	6.E-01
			Exp. Route Total								7E-07					5.6.E-01
Groundwater	Groundwater	Groundwater	Dermal	Chloroform	8.44E-09	mg/cm^2-event	2.9E-07	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	9E-09	3.4E-06	mg/kg-day	1.0E-02	mg/kg-day	3.E-04
				Tetrachloroethene	4.34E-06	mg/cm^2-event	1.5E-04	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	3E-07	1.8E-03	mg/kg-day	6.0E-03	mg/kg-day	3.E-01
			Exp. Route Total								3E-07					2.9.E-01
		Exposure Point Total									1E-06					8.6.E-01
	Exposure Medium Total										1E-06					9.E-01
Groundwater Total											1E-06					9.E-01

PREPARED BY/DATE: SAG 3/3/2016

CHECKED BY/DATE: LWC 3/3/2016

TABLE K.7.20

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL CHILD

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Resident**
Receptor Age:	**Child**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	Age-Adjusted	Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Inhalation During Groundwater Use	Chloroform	8.60E-04	mg/L	3.5E-05	mg/m^3	2.3E-05	$(ug/m^3)^{-1}$	8E-07	4.1E-04	mg/m^3	9.8E-02	mg/m^3	4.E-03
				Tetrachloroethene	6.70E-02	mg/L	2.8E-03	mg/m^3	2.6E-07	$(ug/m^3)^{-1}$	7E-07	3.2E-02	mg/m^3	4.0E-02	mg/m^3	8.E-01
			Exp. Route Total								2E-06					8.1.E-01
		Exposure Point Total									2E-06					8.1.E-01
	Exposure Medium Total										2E-06					8.E-01
Groundwater	Indoor Air (Vapor Intrusion)	Indoor Air	Inhalation	Chloroform	1.29E-01	ug/m^3	1.1E-02	ug/m^3	2.30E-05	$(ug/m^3)^{-1}$	2E-07	1.2E-04	mg/m^3	9.8E-02	mg/m^3	1.E-03
				Tetrachloroethene	4.85E+01	ug/m^3	4.0E+00	ug/m^3	2.60E-07	$(ug/m^3)^{-1}$	1E-06	4.7E-02	mg/m^3	4.0E-02	mg/m^3	1.E+00
			Exp. Route Total								1E-06					1.E+00
		Exposure Point Total									1E-06					1.E+00
	Exposure Medium Total										1E-06					1.E+00
Groundwater Total											3E-06					2.E+00

PREPARED BY/DATE: SAG 3/3/2016

CHECKED BY/DATE: LWC 3/3/2016

TABLE K.7.21
CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - RESIDENTIAL ADULT AND CHILD COMBINED
Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	Future
Receptor Population:	Resident
Receptor Age:	Adult/Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF		Cancer Risk	Intake/Exposure Concentration		RfD		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Groundwater	Groundwater	Groundwater	Incidental Ingestion	Chloroform	8.6E-04	mg/L	1.1E-05	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	3.4E-07	--	--	--	--	--
				Tetrachloroethene	6.7E-02	mg/L	8.6E-04	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	1.8E-06	--	--	--	--	--
			Exposure Route Total								2.E-06					--
Groundwater	Groundwater	Groundwater	Dermal Contact	Chloroform	1.8E-08	mg/cm^2-event	1.9E-06	mg/kg-day	3.1E-02	$(mg/kg\text{-}day)^{-1}$	5.7E-08	--	--	--	--	--
				Tetrachloroethene	9.3E-06	mg/cm^2-event	9.5E-04	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	2.0E-06	--	--	--	--	--
			Exposure Route Total								2.E-06					--
Groundwater	Groundwater	Groundwater	Inhalation during Groundwater Use	Chloroform	8.60E-04	mg/L	1.5E-04	mg/m3	2.3E-05	(ug/m3)-1	3.5E-09	--	--	--	--	--
				Tetrachloroethene	6.70E-02	mg/L	1.2E-02	mg/m3	2.6E-07	(ug/m3)-1	3.1E-09	--	--	--	--	
			Exposure Route Total								7.E-09					--
Groundwater	Indoor Air (Vapor Intrusion)	Indoor Air	Inhalation	Chloroform	1.29E-01	ug/m3	4.6E-02	mg/m3	2.3E-05	(ug/m3)-1	1.1E-06	--	--	--	--	--
				Tetrachloroethene	4.85E+01	ug/m3	1.7E+01	mg/m3	2.6E-07	(ug/m3)-1	4.5E-06	--	--	--	--	--
			Exposure Route Total								6.E-06					--
	Exposure Medium Total										1.E-05					--
Media Total											1.E-05					--
TOTAL OF RECEPTOR RISK ACROSS ALL MEDIA											1.E-05	**TOTAL OF RECEPTOR HAZARDS ACROSS ALL MEDIA**				--

Arsenic* = Ingestion exposure point concentration for Arsenic multiplied by 0.6 to reflect default relative bioavailability (OSWER 9200.1-113).

PREPARED/DATE: SAG 3/3/16
CHECKED/DATE: LWC 3/4/2016

TABLE K.7.22

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - SITE INDUSTRIAL/COMMERCIAL WORKER

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Commercial/Industrial Worker**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Groundwater	Surface Water	Surface Water	Dermal	Tetrachloroethene	7.23E-06	mg/cm2-event	6.0E-06	mg/kg-day	2.1E-03	$(mg/kg\text{-}day)^{-1}$	1E-08	1.7E-05	mg/kg-day	6.0E-03	mg/kg-day	3.E-03
			Exp. Route Total								1E-08					2.8.E-03
		Exposure Point Total									1E-08					2.8.E-03
	Exposure Medium Total										1E-08					3.E-03
Groundwater Total											1E-08					3.E-03

PREPARED BY/DATE: LWC 2/16/16

CHECKED BY/DATE: MKB 3/3/16

TABLE K. 7.23

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - SITE UTILITY/CONSTRUCTION WORKER

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Construction Worker**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Water	Surface Water	Groundwater	Dermal	Tetrachloroethene	7.23E-06	mg/cm^2-event	5.7E-07	mg/kg-day	2.1E-03	(mg/kg-day)$^{-1}$	1E-09	4.0E-05	mg/kg-day	8.0E-03	mg/kg-day	5.E-03
			Exp. Route Total								1E-09					5E-03
		Exposure Point Total									1E-09					5E-03
	Exposure Medium Total										1E-09					5.E-03
Groundwater Total											1E-09					5.E-03

PREPARED BY/DATE: LWC 2/16/16
CHECKED BY/DATE: MKB 3/3/16

TABLE K.7.24

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - OFF-SITE RESIDENTIAL ADULT

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Resident**
Receptor Age:	**Adult**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units		Value	Units	Value	Units	
Surface Water	Surface Water	Groundwater	Dermal	Tetrachloroethene	7.23E-06	mg/cm^2-event	9.5E-06	mg/kg-day	2.1E-03	(mg/kg-day)$^{-1}$	2E-08	3.3E-05	mg/kg-day	6.0E-03	mg/kg-day	6.E-03
			Exp. Route Total								2E-08					5.6.E-03
		Exposure Point Total									2E-08					5.6.E-03
	Exposure Medium Total										2E-08					6.E-03
Groundwater Total											2E-08					6.E-03

PREPARED BY/DATE: LWC 2/16/16

CHECKED BY/DATE: MKB 3/3/16

TABLE K.7.25

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - OFF-SITE RESIDENTIAL CHILD

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Resident**
Receptor Age:	**Child**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	Age-Adjusted	Value	Units	Value	Units	
Surface Water	Surface Water	Groundwater	Dermal	Tetrachloroethene	7.23E-06	mg/cm^2-event	5.8E-06	mg/kg-day	2.1E-03	(mg/kg-day)$^{-1}$	1E-08	6.7E-05	mg/kg-day	6.0E-03	mg/kg-day	1.E-02
			Exp. Route Total								1E-08					1.1.E-02
		Exposure Point Total									1E-08					1.1.E-02
	Exposure Medium Total										1E-08					1.E-02
Groundwater Total											1E-08					1.E-02

(M) Compound listed as a mutagen and adjusted by age-dependent adjustment factors.

PREPARED BY/DATE: LWC 2/16/16
CHECKED BY/DATE: MKB 3/3/16

TABLE K.7.26

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - OFF-SITE RESIDENTIAL LIFETIME

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Resident**
Receptor Age:	**Child**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units	Age-Adjusted	Value	Units	Value	Units	
Surface Water	Surface Water	Groundwater	Dermal	Tetrachloroethene	7.23E-06	mg/cm^2-event	1.5E-05	mg/kg-day	2.1E-03	(mg/kg-day)$^{-1}$	3E-08	--	--	--	--	--
			Exp. Route Total								3E-08					--
		Exposure Point Total									3E-08					--
	Exposure Medium Total										3E-08					--
Groundwater Total											3E-08					--

(M) Compound listed as a mutagen and adjusted by age-dependent adjustment factors.

PREPARED BY/DATE: LWC 2/16/16

CHECKED BY/DATE: MKB 3/3/16

TABLE K.7.27

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - YOUTH TRESPASSER

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe:	**Future**
Receptor Population:	**Future Off-Site Youth Trespasser**
Receptor Age:	**Age 7-16 years**

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units	Age-Adjusted	Value	Units	Value	Units	
Surface Water	Surface Water	Groundwater	Dermal	Tetrachloroethene	7.23E-06	mg/cm^2-event	6.9E-06	mg/kg-day	2.1E-03	(mg/kg-day)$^{-1}$	1E-08	4.8E-05	mg/kg-day	6.0E-03	mg/kg-day	8.E-03
			Exp. Route Total								1E-08					8.0.E-03
		Exposure Point Total									1E-08					8.0.E-03
	Exposure Medium Total										1E-08					8.E-03
Groundwater Total											1E-08					8.E-03

(M) Compound listed as a mutagen and adjusted by age-dependent adjustment factors.

PREPARED BY/DATE: LWC 2/16/16

CHECKED BY/DATE: MKB 3/3/16

TABLE K.9.1

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - On-Site Commercial/Industrial Worker

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Receptor Population: On-Site Commercial/Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk: Ingestion	Inhalation	Dermal	Exposure Routes Total	Non-Carcinogenic Hazard Quotient: Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Arsenic	5.E-07	1E-09	1E-07	6.E-07	Cardiovascular, Dermal	3.E-03	6.E-05	7.E-04	4.E-03
			Chromium	2.E-05	2E-06	2E-09	2.E-05	None	4E-02	6.E-04	6.E-03	4.E-02
			Benzo(a)pyrene	9.E-08	8E-12	5E-08	1.E-07	NA	NA	NA	NA	NA
			Chemical Total	2.E-05	2.E-06	2.E-07	2.E-05		4.E-02	7.E-04	7.E-03	5.E-02
		Exposure Point Total					2.E-05					5.E-02
Soil Total							2.E-05					5.E-02
Groundwater	Groundwater	On-Site	Chromium	4.E-06	NA	5E-11	4.E-06	Respiratory	7.E-03	NA	1.E-04	8.E-03
			Mercury	NA	NA	NA	NA	Nervous	NA	5.E-02	NA	5.E-02
			Tetrachloroethene	8.E-06	2E-05	3E-07	3.E-05	Neurotoxicity	2.E+00	5.E+00	6.E-02	7.E+00
			Chemical Total	1.E-05	2.E-05	3.E-07	3.E-05		1.8.E+00	5.E+00	6.4.E-02	7E+00
		Exposure Point Total					3.E-05					7E+00
Groundwater Total							3.E-05					7E+00
Receptor Total							5.E-05					7E+00

Total Risk Across All Media: 5.E-05

Total Hazard Across All Media: 7E+00

NA = No toxicity values for this pathway

Neurotoxicity HI Across All Media =	7E+00
Respiratory (includes lung & nose) HI Across All Media =	8E-03
Dermal HI Across All Media =	4E-03
Nervous HI Across All Media =	5E-02
Cardiovascular HI Across All Media =	4E-03

PREPARED/DATE: SAG 3/3/2016

CHECKED/DATE: LWC 3/3/2016

TABLE K.9.2

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - On-Site Construction Worker

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Receptor Population: On-Site Construction Worker
Receptor Age: Adult

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	**Exposure Medium**	**Exposure Point**	**Chemical of Potential Concern**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**	**Primary Target Organ(s)**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Arsenic	4E-08	3E-11	6E-09	4.E-08	Cardiovascular, Dermal	6.E-03	4.E-05	1.E-03	7.E-03
			Chromium	1E-06	4E-08	1E-10	1.5.E-06	Blood	4.E-02	1.E-04	5.E-03	4.E-02
			Benzo(a)pyrene	7E-09	2E-13	3E-09	9.E-09	NA	NA	NA	NA	NA
			Chemical Total	1.E-06	4.E-08	9.E-09	2.E-06		5.E-02	2.E-04	6.E-03	5.E-02
		Exposure Point Total					2.E-06					5.E-02
Soil Total							2.E-06					5.E-02
Groundwater	Groundwater	On-Site	Chromium	1.E-09	NA	3E-11	1.E-09	Blood	4.E-05	NA	1.E-03	1.E-03
			Mercury	NA	NA	NA	NA	Nervous	NA	NA	NA	NA
			Tetrachloroethene	3.E-09	NA	6E-08	6.E-08	Neurotoxicity	1.E-02	NA	3.E-01	3.E-01
			Chemical Total	4.E-09	NA	6.E-08	6.E-08		1.E-02	NA	3.E-01	3E-01
		Exposure Point Total					6.E-08					3.E-01
Groundwater Total							6.E-08					3.E-01
Receptor Total							2.E-06					3.E-01

Total Risk Across All Media: 2.E-06

Total Hazard Across All Media: 3.E-01

NA = No toxicity values for this pathway

PREPARED/DATE: SAG 3/3/2016

CHECKED/DATE: LWC 3/3/2016

TABLE K.9.3

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - On-Site Residential Adult

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: On-Site Residential Adult
Receptor Age: Adult

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Ingestion	Inhalation	Dermal	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Arsenic	6E-07	2E-09	2E-07	8.E-07	Cardiovascular, Dermal	5.E-03	1.E-04	1.E-03	6.E-03
			Chromium	5E-05	5E-06	6E-09	5.E-05	None	6.E-02	1.E-03	1.E-02	7.E-02
			Benzo(a)pyrene	2E-07	2E-11	1E-07	4.E-07	NA	NA	NA	NA	NA
			Chemical Total	5.E-05	5.E-06	3.E-07	5.E-05		6.E-02	1.1.E-03	1.E-02	7.E-02
		Exposure Point Total					5.E-05					7.E-02
Soil Total							5.E-05					7.E-02
Groundwater	Groundwater	On-Site	Chromium	2.E-05	NA	6E-09	2.E-05	Respiratory	2.E-02	NA	1.E-02	3.E-02
			Mercury	NA	NA	NA	NA	Nervous	NA	2.E-01	NA	2.E-01
			Tetrachloroethene	2.E-05	1E-04	1E-05	1.E-04	Neurotoxicity	6.E+00	3E+01	3.E+00	4.E+01
			Chemical Total	4.E-05	1.E-04	1.E-05	1.E-04		5.5.E+00	3.2.E+01	3.2.E+00	4E+01
		Exposure Point Total					1.E-04					4.E+01
Groundwater Total							1.E-04					4.E+01
Receptor Total							2.E-04					4.E+01

Total Risk Across All Media: 2.E-04

Total Hazard Across All Media: 4.1.E+01

NA = No toxicity values for this pathway

Neurotoxicity HI Across All Media = 4E+01
Respiratory (includes lung & nose) HI Across All Media = 3E-02
Dermal HI Across All Media = 6E-03
Cardiovascular HI Across All Media = 6E-03
Nervous HI Across All Media = 2E-01

PREPARED/DATE: SAG 3/3/2016
CHECKED/DATE: LWC 3/3/2016

TABLE K.9.4

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - On-Site Residential Child

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: On-Site Residential Child
Receptor Age: Child

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	**Exposure Medium**	**Exposure Point**	**Chemical of Potential Concern**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**	**Primary Target Organ(s)**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Arsenic	2.E-06	5E-10	2E-07	2.E-06	Cardiovascular, Dermal	5.E-02	1.E-04	6.E-03	6E-02
			Chromium	4.E-04	4E-06	3E-08	4.E-04	None	6.E-01	1.E-03	6.E-02	7E-01
			Benzo(a)pyrene	2.E-06	2E-11	6E-07	3.E-06	NA	NA	NA	NA	NA
			Chemical Total	4.E-04	4.E-06	9.E-07	4.E-04		7.E-01	1.E-03	6.E-02	7E-01
		Exposure Point Total					4.E-04					7E-01
Soil Total							4.E-04					7E-01
Groundwater	Groundwater	On-Site	Chromium	3.E-05	NA	6E-09	3.E-05	Respiratory	4.E-02	NA	1.E-02	5E-02
			Mercury	NA	NA	NA	NA	Nervous	NA	2.E-01	NA	2E-01
			Tetrachloroethene	1.E-05	3E-05	5E-06	4.E-05	Neurotoxicity	9.E+00	3E+01	5.E+00	5E+01
			Chemical Total	4.E-05	3.E-05	5.E-06	7.E-05		9.E+00	3.E+01	5.E+00	5E+01
		Exposure Point Total					7.E-05					5E+01
Groundwater Total							7.E-05					5E+01
Receptor Total							5.E-04					5E+01

Total Risk Across All Media: 5.E-04

Total Hazard Across All Media: 5E+01

NA = No toxicity values for this pathway

Neurotoxicity HI Across All Media =	5E+01
Respiratory (includes lung & nose) HI Across All Media =	5E-02
Dermal HI Across All Media =	6E-02
Cardiovascular HI Across All Media =	6E-02
Nervous HI Across All Media =	2E-01

PREPARED/DATE: SAG 3/3/2016

CHECKED/DATE: LWC 3/3/2016

TABLE K.9.5

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - On-Site Residential Lifetime

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: On-Site Resident
Receptor Age: Adult/ Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk			
				Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Arsenic	3.E-06	2E-09	7E-07	3.E-06
			Chromium	5.E-04	9E-06	6E-08	5.E-04
			Benzo(a)pyrene	2.E-06	4E-11	1E-06	4.E-06
			Chemical Total	5.E-04	9.E-06	2.E-06	5.E-04
		Exposure Point Total					5.E-04
Soil Total							5.E-04
Groundwater	Groundwater	On-Site	Chromium	4.6E-05	NA	2E-08	5.E-05
			Mercury	NA	NA	NA	0.E+00
			Tetrachloroethene	3E-05	1E-04	3E-05	2.E-04
			Chemical Total	8.E-05	1.E-04	3.E-05	2.E-04
		Exposure Point Total					2.E-04
Groundwater Total							2.E-04
Receptor Total							8.E-04

Total Risk Across All Media 8.E-04

NA = No toxicity values for this pathway

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/16

TABLE K.9.6

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - Youth Trespasser

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Receptor Population: Youth Trespasser
Receptor Age: Age 7-16 years

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Arsenic	9.E-08	1E-10	2E-08	1.E-07	Cardiovascular, Dermal	2.E-03	2.E-05	4.E-04	2.E-03
			Chromium	3.E-06	2E-07	3E-10	3.E-06	None	2.E-02	2.E-04	3.E-03	2.E-02
			Benzo(a)pyrene	1.E-08	7E-13	8E-09	2.E-08	NA	NA	NA	NA	NA
			Chemical Total	3.E-06	2.E-07	3.E-08	3.E-06		2.E-02	2.E-04	3.E-03	2.E-02
		Exposure Point Total					3.E-06					2.E-02
Soil Total							3.E-06					2.E-02
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	1E-08	1.E-08	Neurotoxicity	NA	NA	8.E-03	8.E-03
			Chemical Total	0.E+00	0.E+00	1.E-08	1.E-08		0.E+00	0.E+00	8.E-03	8.E-03
		Exposure Point Total					1.E-08					8.E-03
Groundwater Total							1.E-08					8.E-03
Receptor Total							3.E-06					3.E-02

Total Risk Across All Media: 3.E-06

Total Hazard Across All Media: 3.E-02

NA = No toxicity values for this pathway

PREPARED/DATE: SAG 3/3/2016

CHECKED/DATE: LWC 3/3/2016

TABLE K.9.7

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - Off-Site Commercial/Industrial Worker - Current/Future

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Receptor Population: Off-Site Commercial/Industrial Worker
Receptor Age: Adult

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Ingestion	Inhalation	Dermal	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Groundwater	Groundwater	Off-Site	Chloroform	9E-08	3E-07	5E-10	4.E-07	Hepatic	8E-04	3E-04	5E-06	1E-03
			Tetrachloroethene	5.E-07	1E-06	2E-08	2.E-06	Neurotoxicity	1E-01	3E-01	4E-03	4E-01
			Chemical Total	6.E-07	1.E-06	2.E-08	2.E-06		1.E-01	3.E-01	4.E-03	4.E-01
		Exposure Point Total					2.E-06					4.E-01
Groundwater Total							2.E-06					4E-01
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	1E-08	1.E-08	Neurotoxicity	NA	NA	3.E-03	3.E-03
			Chemical Total	0.E+00	NA	1.E-08	1.E-08		0.E+00	NA	3.E-03	3E-03
		Exposure Point Total					1.E-08					3E-03
Groundwater Total							1.E-08					3E-03
Receptor Total							2.E-06					4E-01

Total Risk Across All Media 2.E-06

Total Hazard Across All Media 4E-01

NA = No toxicity values for this pathway

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/2016

TABLE K.9.8

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - Off-Site Construction Worker

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Receptor Population: Off-Site Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Groundwater	Groundwater	Off-Site	Chloroform	3.E-11	NA	1.E-10	1.E-10	Hepatic	7.E-07	NA	3.E-06	3.E-06
			Tetrachloroethene	2.E-10	NA	4E-09	4.E-09	Neurotoxicity	7.E-04	NA	2.E-02	2.E-02
			Chemical Total	2.E-10	0.E+00	4.E-09	4.E-09		7.E-04	0.E+00	2.E-02	2.E-02
		Exposure Point Total					4.E-09					2.E-02
Groundwater Total							4.E-09					2E-02
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	1E-09	1.E-09	Neurotoxicity	NA	NA	5.E-03	5.E-03
			Chemical Total	0.E+00	NA	1.E-09	1.E-09		0.E+00	NA	5.E-03	5E-03
		Exposure Point Total					1.E-09					5.E-03
Surface Water Total							1.E-09					5.E-03
Receptor Total							5.E-09					2.E-02

Total Risk Across All Media 5.E-09

Total Hazard Across All Media 2.E-02

NA = No toxicity values for this pathway

PREPARED/DATE: SAG 3/4/2016
CHECKED/DATE: LWC 3/4/2016

TABLE K.9.9

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - Residential Adult - Future (0-10 foot depth)

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: Off-Site Residential Adult
Receptor Age: Adult

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	**Exposure Medium**	**Exposure Point**	**Chemical of Potential Concern**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**	**Primary Target Organ(s)**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**
Groundwater	Groundwater	Off-Site	Chloroform	2.E-07	4.E-06	2.E-08	4.E-06	Hepatic	3.E-03	5E-03	2.E-04	8.E-03
			Tetrachloroethene	1.E-06	6E-06	7E-07	8.E-06	Neurotoxicity	3.E-01	2E+00	2.E-01	2.E+00
			Chemical Total	1.E-06	9.E-06	7.E-07	1.E-05		3.E-01	2.E+00	2.E-01	3.E+00
		Exposure Point Total					1.E-05					3.E+00
Groundwater Total							1.E-05					3E+00
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	2E-08	2.E-08	Neurotoxicity	NA	NA	6.E-03	6.E-03
			Chemical Total	0.E+00	0.E+00	2.E-08	2.E-08		0.E+00	0.E+00	6.E-03	6E-03
		Exposure Point Total					2.E-08					6.E-03
Surface Water Total							2.E-08					6.E-03
Receptor Total							1.E-05					3.E+00

Total Risk Across All Media: 1.E-05

Total Hazard Across All Media: 3.E+00

NA = No toxicity values for this pathway

Neurotoxicity HI Across All Media = 2E+00

Hepatic HI Across All Media = 8E-03

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/2016

TABLE K.9.10

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - Off-Site Residential Child

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: Off-Site Residential Child
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Groundwater	Groundwater	Off-Site	Chloroform	1.E-07	1.E-06	9.E-09	1.E-06	Hepatic	4.E-03	5.E-03	3.E-04	1.E-02
			Tetrachloroethene	6.E-07	2E-06	3E-07	3.E-06	Neurotoxicity	6.E-01	2.E+00	3.E-01	3.E+00
			Chemical Total	7.E-07	3.E-06	3.E-07	4.E-06		6.E-01	2.E+00	3.E-01	3.E+00
		Exposure Point Total					4.E-06					3E+00
Groundwater Total							4.E-06					3E+00
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	1E-08	1.E-08	Neurotoxicity	NA	NA	1.E-02	1.E-02
			Chemical Total	0.E+00	0.E+00	1.E-08	1.E-08		0.E+00	0.E+00	1.E-02	1E-02
		Exposure Point Total					1.E-08					1E-02
Surfacee Water Total							1.E-08					1E-02
Receptor Total							4.E-06					3E+00

Total Risk Across All Media: 4.E-06

Total Hazard Across All Media: 3E+00

NA = No toxicity values for this pathway

Neurotoxicity HI Across All Media = 3E+00

Hepatic HI Across All Media = 1E-02

PREPARED/DATE: LWC 2/19/16

CHECKED/DATE: LWC 3/4/16

TABLE K.9.11

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - Off-Site Residential Lifetime

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: Off-Site Resident
Receptor Age: Adult/ Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk			
				Ingestion	Inhalation	Dermal	Exposure Routes Total
Groundwater	Groundwater	Off-Site	Chloroform	3E-07	1E-06	6E-08	1.E-06
			Tetrachloroethene	2E-06	4E-06	2E-06	8.E-06
			Chemical Total	2.E-06	6.E-06	2.E-06	1.E-05
		Exposure Point Total					1.E-05
Soil Total							1.E-05
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	3E-08	3.E-08
			Chemical Total	NA	NA	3.E-08	3.E-08
		Exposure Point Total					3.E-08
Groundwater Total							3.E-08
Receptor Total							1.E-05

Total Risk Across All Media 1.E-05

NA = No toxicity values for this pathway

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/16

TABLE K.10.1

RISK SUMMARY - On-Site Commercial/Industrial Worker

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Receptor Population: On-Site Commercial/Industrial Worker
Receptor Age: Adult

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	**Exposure Medium**	**Exposure Point**	**Chemical**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**	**Primary Target Organ(s)**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Chromium	2.E-05	2E-06	2E-09	2.E-05	--	--	--	--	--
			Chemical Total	2.E-05	2.E-06	2.E-09	2.E-05		--	--	--	--
		Exposure Point Total					2.E-05					--
Soil Total							2.E-05					--
Groundwater	Groundwater	On-Site	Chromium	4.E-06	NA	5E-11	4.E-06	--	--	--	--	--
			Tetrachloroethene	8.E-06	2E-05	3E-07	3.E-05	Neurotoxicity	2.E+00	5.E+00	6.E-02	7.E+00
			Chemical Total	1.E-05	2.E-05	3.E-07	3.E-05		2.E+00	5.E+00	6.E-02	7E+00
		Exposure Point Total					3.E-05					7E+00
Groundwater Total							3.E-05					7E+00
Receptor Total							5.E-05					7E+00

Total Risk Across All Media 5.E-05

Total Hazard Across All Media 7E+00

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

Neurotoxicity HI Across All Media = 7E+00

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/2016

TABLE K.10.2

RISK SUMMARY - On-Site Construction Worker

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Receptor Population: On-Site Construction Worker
Receptor Age: Adult

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	**Exposure Medium**	**Exposure Point**	**Chemical**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**	**Primary Target Organ(s)**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Chromium	1.E-06	4E-08	1E-10	1.5.E-06	--	--	--	--	--
			Chemical Total	1.E-06	4.E-08	1.E-10	1.E-06		--	--	--	--
		Exposure Point Total					1.E-06					--
Soil Total							1.E-06					--
Groundwater	Groundwater	On-Site	Chromium	1.E-09	NA	3E-11	1.E-09	--	--	--	--	--
			Chemical Total	1.E-09	NA	3.E-11	1.E-09		--	--	--	--
		Exposure Point Total					1.E-09					--
Groundwater Total							1.E-09					--
Receptor Total							1.E-06					--

Total Risk Across All Media: 1.E-06

Total Hazard Across All Media: --

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/2016

TABLE K.10.3

RISK SUMMARY - On-Site Residential Adult

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: On-Site Residential Adult
Receptor Age: Adult

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	**Exposure Medium**	**Exposure Point**	**Chemical**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**	**Primary Target Organ(s)**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Chromium	5.E-05	5E-06	6E-09	5.E-05	--	--	--	--	--
			Chemical Total	5.E-05	5.E-06	6.E-09	5.E-05		--	--	--	--
		Exposure Point Total					5.E-05					--
Soil Total							5.E-05					--
Groundwater	Groundwater	On-Site	Chromium	2.E-05	NA	6E-09	2.E-05	--	--	--	--	--
			Tetrachloroethene	2.E-05	1E-04	1E-05	1.E-04	Neurotoxicity	6.E+00	3.E+01	3.E+00	4.E+01
			Chemical Total	4.E-05	1.E-04	1.E-05	1.E-04		6.E+00	3.E+01	3.E+00	4E+01
		Exposure Point Total					1.E-04					4.E+01
Groundwater Total							1.E-04					4.E+01
Receptor Total							2.E-04					4.E+01

Total Risk Across All Media: 2.E-04

Total Hazard Across All Media: 4.E+01

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

Neurotoxicity HI Across All Media = 4E+01

PREPARED/DATE: SAG 3/4/2016
CHECKED/DATE: LWC 3/4/2016

TABLE K.10.4

RISK SUMMARY - On-Site Residential Child

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: On-Site Residential Child
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Arsenic	2.E-06	5E-10	2E-07	2.E-06	--	--	--	--	--
			Chromium	4.E-04	4E-06	3E-08	4.E-04	--	--	--	--	--
			Benzo(a)pyrene	2.E-06	2E-11	6E-07	3.E-06	--	--	--	--	--
			Chemical Total	4.E-04	4.E-06	9.E-07	4.E-04		--	--	--	--
		Exposure Point Total					4.E-04					--
Soil Total							4.E-04					--
Groundwater	Groundwater	On-Site	Chromium	3.E-05	NA	6E-09	3.E-05	--	--	--	--	--
			Tetrachloroethene	1.E-05	3E-05	5E-06	4.E-05	Neurotoxicity	9.E+00	3.E+01	5.E+00	5E+01
			Chemical Total	4.E-05	3.E-05	5.E-06	7.E-05		9.E+00	3.E+01	5.E+00	4.6E+01
		Exposure Point Total					7.E-05					4.6E+01
Groundwater Total							7.E-05					4.6E+01
Receptor Total							5.E-04					4.6E+01

Total Risk Across All Media 5.E-04

Total Hazard Across All Media 4.6E+01

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

Neurotoxicity HI Across All Media = 5E+01

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/2016

TABLE K.10.5

RISK SUMMARY - On-Site Residential Adult/Child

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: On-Site Residential Child
Receptor Age: Adult/Child

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk			
				Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Arsenic	3.E-06	2E-09	7E-07	3.E-06
			Chromium	5.E-04	9E-06	6E-08	5.E-04
			Benzo(a)pyrene	2.E-06	4E-11	1E-06	4.E-06
			Chemical Total	5.E-04	9.E-06	2.E-06	5.E-04
		Exposure Point Total					5.E-04
Soil Total							5.E-04
Groundwater	Groundwater	On-Site	Chromium	5.E-05	NA	2E-08	5.E-05
			Mercury	--	--	--	--
			Tetrachloroethene	3.E-05	1E-04	3E-05	2.E-04
			Chemical Total	8.E-05	1.E-04	3.E-05	2.E-04
		Exposure Point Total					2.E-04
Groundwater Total							2.E-04
Receptor Total							8.E-04

Total Risk Across All Media 8.E-04

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/16

TABLE K.10.6

RISK SUMMARY - Youth Trespasser

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Receptor Population: Youth Trespasser
Receptor Age: Age 7-16 years

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Chromium	3.E-06	2E-07	3E-10	3.E-06	--	--	--	--	--
			Chemical Total	3.E-06	2.E-07	3.E-10	3.E-06		--	--	--	--
		Exposure Point Total					3.E-06					--
Soil Total							3.E-06					--
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	--	--	Neurotoxicity	NA	NA	--	--
			Chemical Total	NA	NA	0.E+00	0.E+00		NA	NA	0.E+00	0E+00
		Exposure Point Total					0.E+00					0E+00
Surface Water Total							0.E+00					0E+00
Receptor Total							3.E-06					0E+00

Total Risk Across All Media: 3.E-06

Total Hazard Across All Media: 0.E+00

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/2016

TABLE K.10.7

RISK SUMMARY - Off-Site Commercial/Industrial Worker - Current/Future

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Current / Future
Receptor Population: Off-Site Commercial/Industrial Worker
Receptor Age: Adult

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	Exposure Medium	Exposure Point	Chemical	Ingestion	Inhalation	Dermal	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Groundwater	Groundwater	Off-Site	Tetrachloroethene	5.E-07	1E-06	2E-08	2.E-06	Neurotoxicity	--	--	--	--
			Chemical Total	5.E-07	1.E-06	2.E-08	2.E-06		0.E+00	0.E+00	0.E+00	0.E+00
		Exposure Point Total					2.E-06					0.E+00
Groundwater Total							2.E-06					0E+00
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	1E-08	1.E-08	Neurotoxicity	NA	NA	--	--
			Chemical Total	NA	NA	1.E-08	1.E-08		NA	NA	0.E+00	0E+00
		Exposure Point Total					1.E-08					0E+00
Surface Water Total							1.E-08					0E+00
Receptor Total							2.E-06					0E+00

Total Risk Across All Media: 2.E-06

Total Hazard Across All Media: 0E+00

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/2016

TABLE K.10.8

RISK SUMMARY - Residential Adult - Future (0-10 foot depth)

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: Off-Site Residential Adult
Receptor Age: Adult

				Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
Medium	**Exposure Medium**	**Exposure Point**	**Chemical**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**	**Primary Target Organ(s)**	**Ingestion**	**Inhalation**	**Dermal**	**Exposure Routes Total**
Groundwater	Groundwater	Off-Site	Chloroform	2.E-07	4.E-06	2.E-08	4.E-06	--	--	--	--	--
			Tetrachloroethene	1.E-06	6E-06	7E-07	8.E-06	Neurotoxicity	3.E-01	2.E+00	2.E-01	2.E+00
			Chemical Total	1.E-06	9.E-06	7.E-07	1.E-05		3.E-01	2.E+00	2.E-01	2.E+00
		Exposure Point Total					1.E-05					2.E+00
Groundwater Total							1.E-05					2E+00
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	2E-08	2.E-08	Neurotoxicity	NA	NA	6.E-03	6.E-03
			Chemical Total	NA	NA	2.E-08	2.E-08		NA	NA	6.E-03	6E-03
		Exposure Point Total					2.E-08					6.E-03
Surface Water Total							2.E-08					6.E-03
Receptor Total							1.E-05					2.E+00

Total Risk Across All Media: 1.E-05

Total Hazard Across All Media: 2.E+00

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

Neurotoxicity HI Across All Media = 2E+00

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/2016

TABLE K.10.9

RISK SUMMARY - Off-Site Residential Child

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: Off-Site Residential Child
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Groundwater	Groundwater	Off-Site	Chloroform	1.E-07	1.E-06	9.E-09	1.E-06	--	--	--	--	--
			Tetrachloroethene	6.E-07	2E-06	3E-07	3.E-06	Neurotoxicity	6.E-01	2.E+00	3.E-01	3.E+00
			Chemical Total	7.E-07	3.E-06	3.E-07	4.E-06		6.E-01	2.E+00	3.E-01	3.E+00
		Exposure Point Total					4.E-06					3E+00
Groundwater Total							4.E-06					3E+00
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	1E-08	1.E-08	Neurotoxicity	NA	NA	1.E-02	1.E-02
			Chemical Total	NA	NA	1.E-08	1.E-08		NA	NA	1.E-02	1E-02
		Exposure Point Total					1.E-08					1E-02
Surfacee Water Total							1.E-08					1E-02
Receptor Total							4.E-06					3E+00

Total Risk Across All Media: 4.E-06

Total Hazard Across All Media: 3E+00

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

Neurotoxicity HI Across All Media = 3E+00

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/2016

TABLE K.10.10

RISK SUMMARY - Off-Site Residential Adult/Child

REASONABLE MAXIMUM EXPOSURE

Former Robert Bosch Tool Corporation Fountain Inn Division

Scenario Timeframe: Future
Receptor Population: Off-Site Residential Child
Receptor Age: Adult/Child

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk			
				Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface and Subsurface Soil	Surface and Subsurface Soil	On-Site	Chloroform	3.E-07	1E-06	6E-08	1.E-06
			Tetrachloroethene	2.E-06	4E-06	2E-06	8.E-06
			Chemical Total	2.E-06	6.E-06	2.E-06	1.E-05
		Exposure Point Total					1.E-05
Soil Total							1.E-05
Surface Water	Surface Water	Off-Site	Tetrachloroethene	NA	NA	3E-08	3.E-08
			Chemical Total	NA	NA	3.E-08	3.E-08
		Exposure Point Total					3.E-08
Groundwater Total							3.E-08
Receptor Total							1.E-05

Total Risk Across All Media 1.E-05

-- = Risk does not exceed 1E-06 or Hazard Quotient does not exceed 1

PREPARED/DATE: SAG 3/4/2016

CHECKED/DATE: LWC 3/4/16

APPENDIX L

SUPPLEMENTAL RISK TABLES

USEPA Vapor Intrusion Screening Level (VISL) Calculator

Screening Levels

OSWER VAPOR INTRUSION ASSESSMENT
Vapor Intrusion Screening Level (VISL) Calculator Version 3.4, November 2015 RSLs

The primary objective of risk-based screening is to identify sites or buildings unlikely to pose a health concern through the vapor intrusion pathway. Generally, at properties where subsurface concentrations of vapor-forming chemicals (e.g., groundwater or "near source" soil gas concentrations) fall below screening levels (i.e., VISLs), no further action or study is warranted, so long as the exposure assumptions match those taken into account by the calculations and the site fulfills the conditions and assumptions of the generic conceptual model underlying the screening levels. In a similar fashion, the results of risk-based screening can help the data review team identify areas, buildings, and/or chemicals that can be eliminated from further assessment. The generic conceptual model underlying these screening levels is described in OSWER Publication 9200.2-154 (OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway From Subsurface Vapor Sources to Indoor Air) (EPA 2015; Section 6.5)

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Residential	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-06	Enter target risk for carcinogens
Target Hazard Quotient for Non-Carcinogens	THQ	0.1	Enter target hazard quotient for non-carcinogens
Average Groundwater Temperature (°C)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

	CAS	Chemical Name	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1) Yes/No	Does chemical have inhalation toxicity data? (IUR and/or RfC) Yes/No	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? Cvp > Cia,target? Yes/No	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? Chc > Cia,target? Yes/No	Target Indoor Air Conc. @ TCR = 1E-06 or THQ = 0.1 MIN(Cia,c;Cia,nc) (ug/m^3)	Toxicity Basis C/NC	Target Sub-Slab and Exterior Soil Gas Conc. @ TCR = 1E-06 or THQ = 0.1 Csg (ug/m^3)	Target Ground Water Conc. @ TCR = 1E-06 or THQ = 0.1 Cgw (ug/L)	Is Target Ground Water Conc. < MCL? Cgw<MCL? Yes/No (MCL ug/L)	Pure Phase Vapor Conc. @ 25°C Cvp (ug/m^3)	Maximum Groundwater Vapor Conc. Chc (ug/m^3)	Temperature for Max. Groundwater Vapor Conc. Tgw or 25 C	Lower Explosive Limit** LEL (% by vol)	LEL Source		Inhalation Unit Risk IUR (ug/m^3)$^{-1}$	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06 Cia,c (ug/m^3)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.1 Cia,nc (ug/m^3)
x	7440-39-3	Barium	No	Yes	No (not volatile)	No (not volatile)																	
x	75-15-0	Carbon Disulfide	Yes	Yes	Yes	Yes	7.3E+01	NC	2.4E+03	1.2E+02	--	1.47E+09	1.27E+09	25	1.3	N			7.00E-01	I			7.3E+01
x	108-90-7	Chlorobenzene	Yes	Yes	Yes	Yes	5.2E+00	NC	1.7E+02	4.1E+01	Yes (100)	7.25E+07	6.33E+07	25	1.3	N			5.00E-02	P			5.2E+00
x	67-66-3	Chloroform	Yes	Yes	Yes	Yes	1.2E-01	C	4.1E+00	8.1E-01	Yes (8.0E+01(F))	1.27E+09	1.19E+09	25			2.30E-05	I	9.80E-02	A		1.2E-01	1.0E+01
x	18540-29-9	Chromium(VI)	No	Yes	No (not volatile)	No (not volatile)															Mut		
x	7440-47-3	Chromium, Total	No	No	No (not volatile)	No (not volatile)																	
x	98-82-8	Cumene	Yes	Yes	Yes	Yes	4.2E+01	NC	1.4E+03	8.9E+01	--	2.91E+07	2.88E+07	25	0.9	N			4.00E-01	I			4.2E+01
x	84-66-2	Diethyl Phthalate	No	No	No (not volatile)	No (not volatile)																	
x	7487-94-7	Mercuric Chloride (and other Mercury salts)	No	Yes	No (not volatile)	No (not volatile)																	
x	7439-97-6	Mercury (elemental)	Yes	Yes	Yes	Yes	3.1E-02	NC	1.0E+00	8.9E-02	Yes (2)	2.11E+04	2.11E+04	25					3.00E-04	I			3.1E-02
x	127-18-4	Tetrachloroethylene	Yes	Yes	Yes	Yes	4.2E+00	NC	1.4E+02	5.8E+00	No (5)	1.65E+08	1.49E+08	25			2.60E-07	I	4.00E-02	I		1.1E+01	4.2E+00

Notes:

(1) **Inhalation Pathway Exposure Parameters (RME):**

Exposure Scenario	Units	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario in cell G10) Symbol	Selected Value
Averaging time for carcinogens	(yrs)	ATc_R	70	ATc_C	70	ATc	70
Averaging time for non-carcinogens	(yrs)	ATnc_R	26	ATnc_C	25	ATnc	26
Exposure duration	(yrs)	ED_R	26	ED_C	25	ED	26
Exposure frequency	(days/yr)	EF_R	350	EF_C	250	EF	350
Exposure time	(hr/day)	ET_R	24	ET_C	8	ET	24

(2) **Generic Attenuation Factors:**

Source Medium of Vapors	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario in cell G10) Symbol	Selected Value
Groundwater	AFgw_R	0.001	AFgw_C	0.001	AFgw	0.001
Sub-Slab and Exterior Soil Gas	AFss_R	0.03	AFss_C	0.03	AFss	0.03

(3) **Formulas**
Cia, target = MIN(Cia,c; Cia,nc)
Cia,c (ug/m3) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)
Cia,nc (ug/m3) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RfC x (1000 ug/mg) / (ED x EF x ET)

(4) **Special Case Chemicals**

Trichloroethylene	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario in cell G10) Symbol	Selected Value
	mIURTCE_R	1.00E-06	mIURTCE_C	0.00E+00	mIURTCE	1.00E-06
	IURTCE_R	3.10E-06	IURTCE_C	4.10E-06	IURTCE	3.10E-06

Mutagenic Chemicals

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Age Cohort	Exposure Duration (years)	Age-dependent adjustment factor
0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 72 This factor is used in the equations for mutagenic chemicals.

See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:
NVT = Not sufficiently volatile and/or toxic to pose inhalation risk in selected exposure scenario for the indicated medium
C = Carcinogenic
NC = Non-carcinogenic
I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at: http://www.epa.gov/iris/subst/index.html
P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at: http://hhpprtv.ornl.gov/pprtv.shtml
A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at: http://www.atsdr.cdc.gov/mrls/index.html
CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at: http://www.oehha.ca.gov/risk/ChemicalDB/index.asp
H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at: http://epa-heast.ornl.gov/heast.shtml
S = See RSL User Guide, Section 5
X = PPRTV Appendix
E = The Engineering ToolBox. Available online at http://www.engineeringtoolbox.com/explosive-concentration-limits-d_423.html
N = Centers for Disease Control and Prevention (CDC) National Institute for Occupational Safety and Health (NIOSH). Pocket Guide to Chemical Hazards. Available online at: http://www.cdc.gov/niosh/npg/default.html http://www.cdc.gov/niosh/npg/default.html
M = Chemical-specific MSDS
Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).
VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).
TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).
Yellow highlighting indicates site-specific parameters that may be edited by the user.
Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.
**Lower explosive limit is the minimum concentration of the compound in air (% by volume) that is needed for the gas to ignite and explode.

USEPA Vapor Intrusion Screening Level (VISL) Calculator

On-Site Groundwater to Indoor Air

OSWER VAPOR INTRUSION ASSESSMENT

Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.45, November 2015 RSLs

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Residential	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-06	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (^oC)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

	CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m^3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR ($(ug/m^3)^{-1}$)	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i
x	75-15-0	Carbon Disulfide	3.4E+00	2.00E+00	No IUR	2.7E-03			7.00E-01	I	
x	108-90-7	Chlorobenzene	9.6E-01	1.22E-01	No IUR	2.3E-03			5.00E-02	P	
x	67-66-3	Chloroform		--	--	--	2.30E-05	I	9.80E-02	A	
x	98-82-8	Cumene	1.3E+00	6.11E-01	No IUR	1.5E-03			4.00E-01	I	
x	7439-97-6	Mercury (elemental)	1.6E-01	5.63E-02	No IUR	1.8E-01			3.00E-04	I	
x	127-18-4	Tetrachloroethylene	1.1E+03	7.96E+02	**7.4E-05**	**1.9E+01**	2.60E-07	I	4.00E-02	I	

Notes:

(1) **Inhalation Pathway Exposure Parameters (RME):**

Exposure Scenario	Units	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Averaging time for carcinogens	(yrs)	ATc_R_GW	70	ATc_C_GW	70	ATc_GW	70
Averaging time for non-carcinogens	(yrs)	ATnc_R_GW	26	ATnc_C_GW	25	Atnc_GW	26
Exposure duration	(yrs)	ED_R_GW	26	ED_C_GW	25	ED_GW	26
Exposure frequency	(days/yr)	EF_R_GW	350	EF_C_GW	250	EF_GW	350
Exposure time	(hr/day)	ET_R_GW	24	ET_C_GW	8	ET_GW	24

(2) **Generic Attenuation Factors:**

Source Medium of Vapors	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Groundwater (-)	AFgw_R_GW	0.001	AFgw_C_GW	0.001	AFgw_GW	0.001
Sub-Slab and Exterior Soil Gas (-)	AFss_R_GW	0.03	AFss_C_GW	0.03	AFss_GW	0.03

(3) **Formulas**

Cia, target = MIN(Cia,c; Cia,nc)

Cia,c (ug/m3) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)

Cia,nc (ug/m3) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RfC x (1000 ug/mg) / (ED x EF x ET)

(4) **Special Case Chemicals**

Trichloroethylene	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
	mIURTCE_R_GW	1.00E-06	mIURTCE_C_GW	0.00E+00	mIURTCE_GW	1.00E-06
	IURTCE_R_GW	3.10E-06	IURTCE_C_GW	4.10E-06	IURTCE_GW	3.10E-06

Mutagenic Chemicals — The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

Age Cohort	Exposure Duration	Age-dependent adjustment factor
0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 72 This factor is used in the equations for mutagenic chemicals.

Vinyl Chloride — See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:

I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at: http://www.epa.gov/iris/subst/index.html

P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at: http://hhpprtv.ornl.gov/pprtv.shtml

A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at: http://www.atsdr.cdc.gov/mrls/index.html

CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at: http://www.oehha.ca.gov/risk/ChemicalDB/index.asp

H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at: http://epa-heast.ornl.gov/heast.shtml

S = See RSL User Guide, Section 5

X = PPRTV Appendix

OSWER VAPOR INTRUSION ASSESSMENT

Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.45, November 2015 RSLs

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Residential	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-06	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (^{o}C)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m^3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR (ug/m^3)$^{-1}$	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i

Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).
VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).
TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).
Yellow highlighting indicates site-specific parameters that may be edited by the user.
Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.
Pink highlighting indicates VI carcinogenic risk greater than the target risk for carcinogens (TCR) or VI Hazard greater than or equal to the target hazard quotient for non-carcinogens (THQ).

USEPA Vapor Intrusion Screening Level (VISL) Calculator

Off-Site Groundwater to Indoor Air

OSWER VAPOR INTRUSION ASSESSMENT
Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.45, November 2015 RSLs

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Residential	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-06	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (°C)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

	CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m^3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR ($(ug/m^3)^{-1}$)	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i
x	75-15-0	Carbon Disulfide		--	--	--			7.00E-01	I	
x	108-90-7	Chlorobenzene		--	--	--			5.00E-02	P	
x	67-66-3	Chloroform	8.6E-01	1.29E-01	**1.1E-06**	1.3E-03	2.30E-05	I	9.80E-02	A	
x	98-82-8	Cumene		--	--	--			4.00E-01	I	
x	7439-97-6	Mercury (elemental)		--	--	--			3.00E-04	I	
x	127-18-4	Tetrachloroethylene	6.7E+01	4.85E+01	**4.5E-06**	**1.2E+00**	2.60E-07	I	4.00E-02	I	

Notes:

(1) **Inhalation Pathway Exposure Parameters (RME):**

Exposure Scenario	Units	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Averaging time for carcinogens	(yrs)	ATc_R_GW	70	ATc_C_GW	70	ATc_GW	70
Averaging time for non-carcinogens	(yrs)	ATnc_R_GW	26	ATnc_C_GW	25	Atnc_GW	26
Exposure duration	(yrs)	ED_R_GW	26	ED_C_GW	25	ED_GW	26
Exposure frequency	(days/yr)	EF_R_GW	350	EF_C_GW	250	EF_GW	350
Exposure time	(hr/day)	ET_R_GW	24	ET_C_GW	8	ET_GW	24

(2) **Generic Attenuation Factors:**

Source Medium of Vapors	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Groundwater (-)	AFgw_R_GW	0.001	AFgw_C_GW	0.001	AFgw_GW	0.001
Sub-Slab and Exterior Soil Gas (-)	AFss_R_GW	0.03	AFss_C_GW	0.03	AFss_GW	0.03

(3) **Formulas**

Cia, target = MIN(Cia,c; Cia,nc)
Cia,c (ug/m3) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)
Cia,nc (ug/m3) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RfC x (1000 ug/mg) / (ED x EF x ET)

(4) **Special Case Chemicals**

Trichloroethylene	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
	mIURTCE_R_GW	1.00E-06	mIURTCE_C_GW	0.00E+00	mIURTCE_GW	1.00E-06
	IURTCE_R_GW	3.10E-06	IURTCE_C_GW	4.10E-06	IURTCE_GW	3.10E-06

Mutagenic Chemicals — The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

Age Cohort	Exposure Duration	Age-dependent adjustment factor
0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 72 This factor is used in the equations for mutagenic chemicals.

Vinyl Chloride — See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:
I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at: http://www.epa.gov/iris/subst/index.html
P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at: http://hhpprtv.ornl.gov/pprtv.shtml
A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at: http://www.atsdr.cdc.gov/mrls/index.html
CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at: http://www.oehha.ca.gov/risk/ChemicalDB/index.asp
H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at: http://epa-heast.ornl.gov/heast.shtml
S = See RSL User Guide, Section 5
X = PPRTV Appendix

OSWER VAPOR INTRUSION ASSESSMENT

Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.45, November 2015 RSLs

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Residential	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-06	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (^{o}C)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m^3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR (ug/m^3)$^{-1}$	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i

Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).
VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).
TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).
Yellow highlighting indicates site-specific parameters that may be edited by the user.
Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.
Pink highlighting indicates VI carcinogenic risk greater than the target risk for carcinogens (TCR) or VI Hazard greater than or equal to the target hazard quotient for non-carcinogens (THQ).

Absorbed Dose per Event (DAevent) Calculations

Table L.1
Calculation of DA_{event} for Inorganic Compounds Detected in On-Site Groundwater - Commercial/Industrial Worker

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t_{event} (hr/event) (b)	Kp (cm/hr) (a)	DA_{event} (mg/cm^2-event) (c)
Chromium	0.0023	2.3E-06	Max	0.283	2.0E-03	1.30E-09

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t_{event} = event duration
Kp = Dermal permeability coefficient of compound in water
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value

Prepared/Date: LWC 2/11/16
Checked/Date: MKB 3/3/16

(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.

(b) Workers assumed to wash hands for 17 minutes per day or 0.283 hours (17 minutes/(60 minutes/hour)); value is the mean time reported on Table ES-1 of the USEPA Exposure Factors Handbook (USEPA, 2011).

(c) DA_{event} = Kp x EPC x t_{event}

Table L.2
Calculation of DA_{event} for Organic Compounds Detected in On-Site Groundwater - Commercial/Industrial Worker

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t* (hr) (a)	t_{event} (hr/event) (b)	$t_{event} > t^*$	FA (a)	Kp (cm/hr) (a)	Tau_{event} (hr/event) (a)	B (unitless) (a)	DA_{event} (mg/cm^2-event) (c)
Tetrachloroethene	1.1E+00	1.1E-03	Max	2.18	0.283	No	1.0	3.3E-02	0.91	0.20	5.15E-05

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t* = Time to reach steady-state
t_{event} = event duration
FA = Fraction absorbed
Kp = Dermal permeability coefficient of compound in water
Tau_{event} = Lag time per event
B = dimensionless ratio of the permeability coefficient of a compound through the stratum corneum relative to it's permeability coefficient across the viable epidermis.
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value
(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Workers assumed to wash hands for 17 minutes per day or 0.283 hours (17 minutes/(60 minutes/hour)); value is the mean time reported on Table ES-1 of the USEPA Exposure Factors Handbook (USEPA, 2011).
(c) If $t_{event} \leq t^*$:

$DA_{event} = 2\ FA \times Kp \times EPC \times ((6Tau_{event} \times t_{event})/\pi)1/2$

If $t_{event} > t^*$:

$DA_{event} = FA \times Kp \times EPC \times ((t_{event}/(1+B)) + 2Tau_{event} \times ((1+3B+3B^2)/(1+B)^2))$

Prepared/Date: LWC 2/11/16
Checked/Date: MKB 3/3/16

Table L.3
Calculation of DA_{event} for Inorganic Compounds Detected in On-Site Groundwater - Construction Worker

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t_{event} (hr/event) (b)	Kp (cm/hr) (a)	DA_{event} (mg/cm^2-event) (c)
Chromium	0.0023	2.3E-06	Max	2.0	2.0E-03	9.20E-09

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t_{event} = event duration
Kp = Dermal permeability coefficient of compound in water
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value

Prepared/Date: LWC 2/11/16
Checked/Date: MKB 3/3/16

(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Construction workers assumed to be exposed 2 hours per workday.
(c) $DA_{event} = Kp \times EPC \times t_{event}$

Table L.4
Calculation of DA_{event} for Organic Compounds Detected in On-Site Groundwater - Construction Worker

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t* (hr) (a)	t_{event} (hr/event) (b)	$t_{event} > t^*$	FA (a)	Kp (cm/hr) (a)	Tau_{event} (hr/event) (a)	B (unitless) (a)	DA_{event} (mg/cm^2-event) (c)
Tetrachloroethene	1.1E+00	1.1E-03	Max	2.18	2.0	No	1.0	3.3E-02	0.91	0.20	1.37E-04

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t* = Time to reach steady-state
t_{event} = event duration
FA = Fraction absorbed
Kp = Dermal permeability coefficient of compound in water
Tau_{event} = Lag time per event
B = dimensionless ratio of the permeability coefficient of a compound through the stratum corneum relative to it's permeability coefficient across the viable epidermis.
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value
(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Construction workers assumed to be exposed 2 hours per workday.
(c) If $t_{event} \leq t^*$:

$DA_{event} = 2\ FA \times Kp \times EPC \times ((6Tau_{event} \times t_{event})/\pi)1/2$

If $t_{event} > t^*$:

$DA_{event} = FA \times Kp \times EPC \times ((t_{event}/(1+B)) + 2Tau_{event} \times ((1+3B+3B^2)/(1+B)^2))$

Prepared/Date: LWC 2/11/16
Checked/Date: MKB 3/3/16

Table L.5
Calculation of DA_{event} for Organic Compounds Detected in Off-Site Groundwater - Commercial/Industrial Worker

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t* (hr) (a)	t_{event} (hr/event) (b)	$t_{event} > t^*$	FA (a)	Kp (cm/hr) (a)	Tau_{event} (hr/event) (a)	B (unitless) (a)	DA_{event} (mg/cm^2-event) (c)
Chloroform	0.00086	8.6E-07	Max	1.19	0.283	No	1.0	6.8E-03	0.50	0.0	6.11E-09
Tetrachloroethene	0.067	6.7E-05	Max	2.18	0.283	No	1.0	3.3E-02	0.91	0.2	3.14E-06

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t* = Time to reach steady-state
t_{event} = event duration
FA = Fraction absorbed
Kp = Dermal permeability coefficient of compound in water
Tau_{event} = Lag time per event
B = dimensionless ratio of the permeability coefficient of a compound through the stratum corneum relative to it's permeability coefficient across the viable epidermis.
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value
(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Workers assumed to wash hands for 17 minutes per day or 0.283 hours (17 minutes/(60 minutes/hour)); value is the mean time reported on Table ES-1 of the USEPA Exposure Factors Handbook (USEPA, 2011).
(c) If $t_{event} \leq t^*$:

$DA_{event} = 2\ FA \times Kp \times EPC \times ((6Tau_{event} \times t_{event})/\pi)1/2$

If $t_{event} > t^*$:

$DA_{event} = FA \times Kp \times EPC \times ((t_{event}/(1+B)) + 2Tau_{event} \times ((1+3B+3B^2)/(1+B)^2))$

Prepared/Date: LWC 2/11/16
Checked/Date: MKB 3/3/16

Table L.6
Calculation of DA_{event} for Organic Compounds Detected in Off-Site Groundwater - Construction Worker

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t* (hr) (a)	t_{event} (hr/event) (b)	$t_{event} > t^*$	FA (a)	Kp (cm/hr) (a)	Tau_{event} (hr/event) (a)	B (unitless) (a)	DA_{event} (mg/cm^2-event) (c)
Chloroform	8.6E-04	8.6E-07	Max	1.19	2.0	Yes	1.0	6.8E-03	0.50	0.0	1.76E-08
Tetrachloroethene	6.7E-02	6.7E-05	Max	2.18	2.0	No	1.0	3.3E-02	0.91	0.2	8.35E-06

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t* = Time to reach steady-state
t_{event} = event duration
FA = Fraction absorbed
Kp = Dermal permeability coefficient of compound in water
Tau_{event} = Lag time per event
B = dimensionless ratio of the permeability coefficient of a compound through the stratum corneum relative to it's permeability coefficient across the viable epidermis.
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value

Prepared/Date: LWC 2/11/16
Checked/Date: MKB 3/3/16

(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Construction workers assumed to be exposed 2 hours per workday.
(c) If $t_{event} \leq t^*$:

$DA_{event} = 2\ FA \times Kp \times EPC \times ((6Tau_{event} \times t_{event})/\pi)1/2$

If $t_{event} > t^*$:

$DA_{event} = FA \times Kp \times EPC \times ((t_{event}/(1+B)) + 2Tau_{event} \times ((1+3B+3B^2)/(1+B)^2))$

Table L.7
Calculation of DA_{event} for Inorganic Compounds Detected in On-Site Groundwater - Residential Adult

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t_{event} (hr/event) (b)	Kp (cm/hr) (a)	DA_{event} (mg/cm^2-event) (c)
Metals						
Chromium	0.0023	2.3E-06	Max	0.71	2.0E-03	3.27E-09

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t_{event} = event duration
Kp = Dermal permeability coefficient of compound in water
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value

Prepared/Date: LWC 2/12/16
Checked/Date: MKB 3/3/16

(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Weighted average of adult 90th percentile of time spent bathing/showering (USEPA, 2015).
(c) $DA_{event} = Kp \times EPC \times t_{event}$

Table L.8
Calculation of DA_{event} for Organic Compounds Detected in On-Site Groundwater - Residential Adult

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t* (hr) (a)	t_{event} (hr/event) (b)	$t_{event} > t^*$	FA (a)	Kp (cm/hr) (a)	Tau_{event} (hr/event) (a)	B (unitless) (a)	DA_{event} (mg/cm^2-event) (c)
Tetrachloroethene	1.1E+00	1.1E-03	Max	2.18	0.71	No	1.0	3.3E-02	0.91	0.20	8.16E-05

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t* = Time to reach steady-state
t_{event} = event duration
FA = Fraction absorbed
Kp = Dermal permeability coefficient of compound in water
Tau_{event} = Lag time per event
B = dimensionless ratio of the permeability coefficient of a compound through the stratum corneum relative to it's permeability coefficient across the viable epidermis.
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value
(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Weighted average nof adult 90th percentile of time spent bathing/showering (USEPA, 2015).
(c) If $t_{event} \leq t^*$:

$DA_{event} = 2\ FA \times Kp \times EPC \times ((6Tau_{event} \times t_{event})/\pi)1/2$

If $t_{event} > t^*$:

$DA_{event} = FA \times Kp \times EPC \times ((t_{event}/(1+B)) + 2Tau_{event} \times ((1+3B+3B^2)/(1+B)^2))$

Prepared/Date: LWC 2/12/16
Checked/Date: MKB 3/3/16

Table L.9
Calculation of DA_{event} for Inorganic Compounds Detected in On-Site Groundwater - Residential Child

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t_{event} (hr/event) (b)	Kp (cm/hr) (a)	DA_{event} (mg/cm^2-event) (c)
Metals						
Chromium	0.0023	2.3E-06	Max	0.54	2.0E-03	2.48E-09

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t_{event} = event duration
Kp = Dermal permeability coefficient of compound in water
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value
(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Weighted average of 90th percentile time spent bathing (birth to < 6 years)(USEPA, 2015).
(c) DA_{event} = Kp x EPC x t_{event}

Prepared/Date: LWC 2/12/16
Checked/Date: MKB 3/3/16

Table L.10
Calculation of DA_{event} for Organic Compounds Detected in On-Site Groundwater - Residential Child

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t* (hr) (a)	t_{event} (hr/event) (b)	$t_{event} > t^*$	FA (a)	Kp (cm/hr) (a)	Tau_{event} (hr/event) (a)	B (unitless) (a)	DA_{event} (mg/cm^2-event) (c)
Tetrachloroethene	1.1E+00	1.1E-03	Max	2.18	0.58	No	1.0	3.3E-02	0.91	0.20	7.38E-05

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t* = Time to reach steady-state
t_{event} = event duration
FA = Fraction absorbed
Kp = Dermal permeability coefficient of compound in water
Tau_{event} = Lag time per event
B = dimensionless ratio of the permeability coefficient of a compound through the stratum corneum relative to it's permeability coefficient across the viable epidermis.
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value
(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Weighted average of 90th percentile time spent bathing (birth to < 6 years)(USEPA, 2015).
(c) If $t_{event} \leq t^*$:

$DA_{event} = 2\ FA \times Kp \times EPC \times ((6Tau_{event} \times t_{event})/\pi)1/2$

If $t_{event} > t^*$:

$DA_{event} = FA \times Kp \times EPC \times ((t_{event}/(1+B)) + 2Tau_{event} \times ((1+3B+3B^2)/(1+B)^2))$

Prepared/Date: LWC 2/12/16
Checked/Date: MKB 3/3/16

Table L.11
Calculation of DA_{event} for Organic Compounds Detected in Off-Site Groundwater - Residential Adult

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t* (hr) (a)	t_{event} (hr/event) (b)	$t_{event} > t^*$	FA (a)	Kp (cm/hr) (a)	Tau_{event} (hr/event) (a)	B (unitless) (a)	DA_{event} (mg/cm^2-event) (c)
Chloroform	0.00086	8.6E-07	Max	1.19	0.71	No	1.0	6.8E-03	0.50	0.0	9.68E-09
Tetrachloroethene	0.067	6.7E-05	Max	2.18	0.71	No	1.0	3.3E-02	0.91	0.2	4.97E-06

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t* = Time to reach steady-state
t_{event} = event duration
FA = Fraction absorbed
Kp = Dermal permeability coefficient of compound in water
Tau_{event} = Lag time per event
B = dimensionless ratio of the permeability coefficient of a compound through the stratum corneum relative to it's permeability coefficient across the viable epidermis.
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value
(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Weighted average of adult 90th percentile of time spent bathing/showering (USEPA, 2015).
(c) If $t_{event} \leq t^*$:

$DA_{event} = 2\ FA \times Kp \times EPC \times ((6Tau_{event} \times t_{event})/\pi)1/2$

If $t_{event} > t^*$:

$DA_{event} = FA \times Kp \times EPC \times ((t_{event}/(1+B)) + 2Tau_{event} \times ((1+3B+3B^2)/(1+B)^2))$

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Table L.12
Calculation of DA_{event} for Organic Compounds Detected in Off-Site Groundwater - Residential Child

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t* (hr) (a)	t_{event} (hr/event) (b)	$t_{event} > t^*$	FA (a)	Kp (cm/hr) (a)	Tau_{event} (hr/event) (a)	B (unitless) (a)	DA_{event} (mg/cm^2-event) (c)
Chloroform	0.00086	8.6E-07	Max	1.19	0.54	No	1.0	6.8E-03	0.50	0.0	8.44E-09
Tetrachloroethene	0.067	6.7E-05	Max	2.18	0.54	No	1.0	3.3E-02	0.91	0.2	4.34E-06

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t* = Time to reach steady-state
t_{event} = event duration
FA = Fraction absorbed
Kp = Dermal permeability coefficient of compound in water
Tau_{event} = Lag time per event
B = dimensionless ratio of the permeability coefficient of a compound through the stratum corneum relative to it's permeability coefficient across the viable epidermis.
DA_{event} = Absorbed dose per event
Max = Maximum Detected Value
(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Weighted average of 90th percentile time spent bathing (birth to < 6 years)(USEPA, 2015).
(c) If $t_{event} \leq t^*$:

$DA_{event} = 2\ FA \times Kp \times EPC \times ((6Tau_{event} \times t_{event})/\pi)1/2$

If $t_{event} > t^*$:

$DA_{event} = FA \times Kp \times EPC \times ((t_{event}/(1+B)) + 2Tau_{event} \times ((1+3B+3B^2)/(1+B)^2))$

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Table L.13
Calculation of DA_{event} for Organic Compounds Detected in Off-Site Surface Water - All Receptors

Parameter	Exposure Point Concentration (mg/L)	Exposure Point Concentration (mg/cm^3)	Exposure Value Type	t* (hr) (a)	t_{event} (hr/event) (b)	$t_{event} > t^*$	FA (a)	Kp (cm/hr) (a)	Tau_{event} (hr/event) (a)	B (unitless) (a)	DA_{event} (mg/cm^2-event) (c)
Tetrachloroethene	5.8E-02	5.8E-05	Max	2.18	2.0	No	1.0	3.3E-02	0.91	0.20	7.23E-06

COPCs = Chemicals of Potential Concern
mg = milligrams
L = liters
cm = centimeters
hr = hour
t* = Time to reach steady-state
t_{event} = event duration
FA = Fraction absorbed
Kp = Dermal permeability coefficient of compound in water
Tau_{event} = Lag time per event
B = dimensionless ratio of the permeability coefficient of a compound through the stratum corneum relative to it's permeability coefficient across the viable epidermis.
DA_{event} = Absorbed dose per event

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(a) Values from USEPA, 2004. Supplemental Guidance for Dermal Risk Assessment, Part E of Risk Assessment Guidance for Superfund, Human Health Evaluation Manual (Vol. 1). August 16, 2004.
(b) Receptor (site worker, construction worker, residential adult), residential child, or trespasser) assumed to walk through the surface water for 2 hours a day.
(c) If $t_{event} \leq t^*$:

$DA_{event} = 2\ FA \times Kp \times EPC \times ((6Tau_{event} \times t_{event})/\pi)1/2$

If $t_{event} > t^*$:

$DA_{event} = FA \times Kp \times EPC \times ((t_{event}/(1+B)) + 2Tau_{event} \times ((1+3B+3B^2)/(1+B)^2))$