Environmental Resources Management

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November 20, 2013

Mr. David Brownlee
Response and Remediation Program
2 Martin Luther King, Jr. Drive, S.E.
Suite 1462, East Tower
Atlanta, GA 30334-9000

Subject: Submittal of the Voluntary Remediation Program Compliance Status Report (VCSR)
Former Coats & Clark, Inc. Plant 1 - Toccoa, Georgia
HSI Site No. 10630

Dear Mr. Brownlee:

This letter and accompanying report have been prepared by Environmental Resources Management (ERM) on behalf of Coats & Clark, Inc. (Coats) for the above referenced property. Enclosed are an original and two (2) CD-ROM copies of the Voluntary Remediation Program Compliance Status Report (VCSR). The VCSR is being submitted for this Site in accordance with the discussions held during the June 20, 2013 meeting with EPD, and EPD's follow-up letter dated June 24, 2013. The Site was accepted into the Georgia Voluntary Remediation Program (VRP) on May 20, 2011.

The VCSR includes updated Site data from the October 2013 comprehensive ground water sampling event and results from the updated groundwater modeling. The VCSR also includes a discussion of proposed institutional controls and documents the Site's compliance with the VRP Act. A notice will be sent to the Mayor of Toccoa and Chairman of the Stephens County Commission. A public notice will be published in the Toccoa Record.

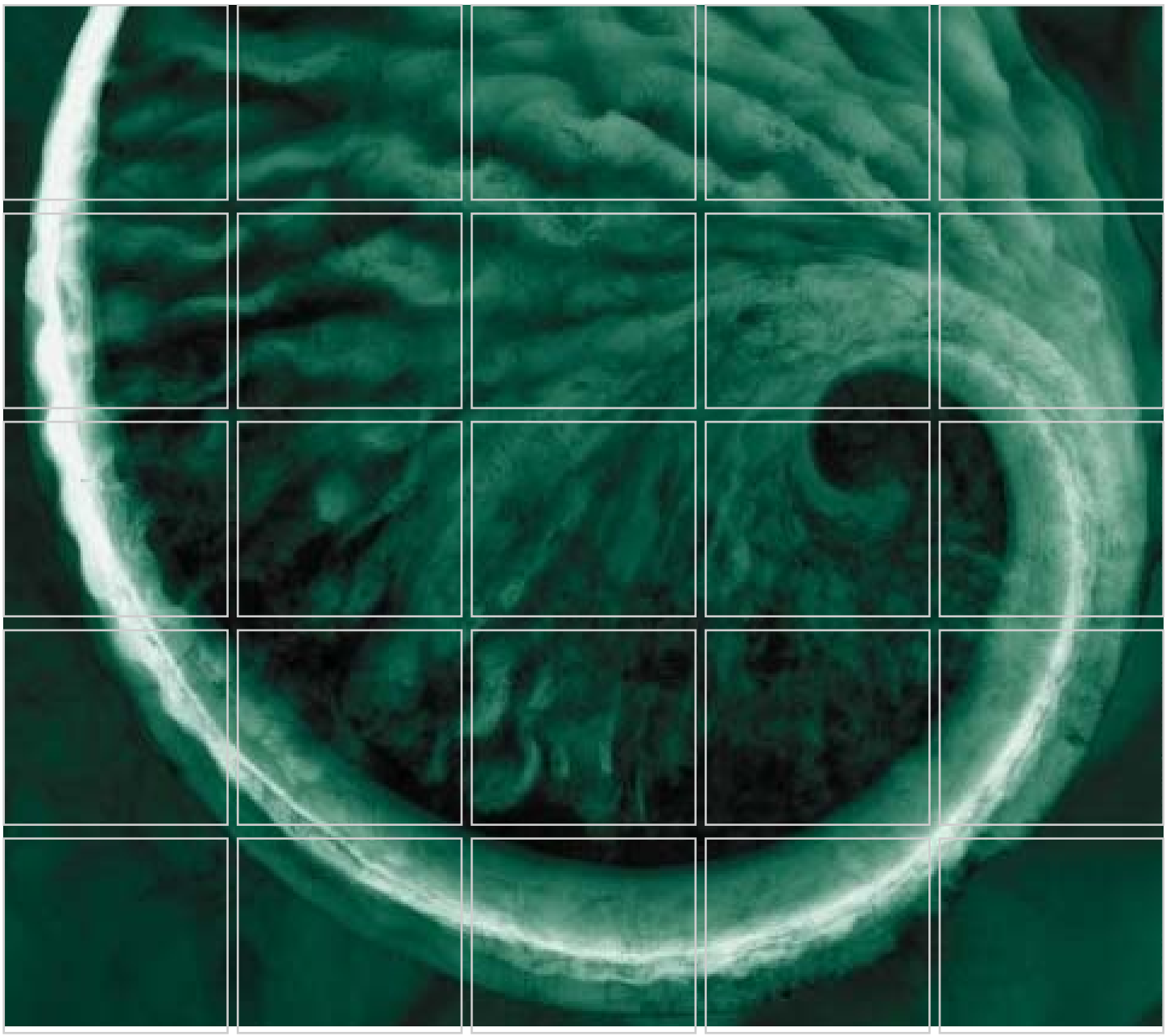
If you have any questions or would like to discuss these topics in further detail, please contact Amy Hickman at 678-486-2700.

Sincerely,

Amy G. Hickman, E.I.T.
Project Manager

Jeffrey N. Bilkert
Principal

cc: Mike Bell, Coats & Clark, Inc.; Doug Cloud, Kazmarek Mowrey Cloud Laseter LLP
Derrick Williams, GAEPD



Voluntary Compliance Status Report (VCSR)

Submitted under Georgia's Voluntary Remediation Program (VRP) Act

Former Coats & Clark Inc. Plant 1
Toccoa, Georgia
HSI Site No. 10630

November 20, 2013

Delivering sustainable solutions in a more competitive world

ERM

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STATEMENT OF FINDINGS

This Voluntary Compliance Status Report (VCSR) has been prepared by Environmental Resources Management (ERM) on behalf of Coats & Clark, Inc. (Coats). The VCSR is for the former Coats & Clark Inc. Plant 1 facility (the Site), which was listed on the Georgia Hazardous Site Inventory (HSI #10630) in August 2000. The Site was accepted into Georgia's Voluntary Remediation Program (VRP) on May 20, 2011.

This VCSR is intended to provide an overview of historical Site investigation and remediation activities conducted at the Site, provide an overview of Site investigation activities and ground water modeling results conducted since the Site entered the VRP, and certify ground water compliance with Site-specific cleanup standards.

The Site is a former textile finishing facility which has been closed and essentially vacant since May 1997. Key operations throughout the history of the Site included dyeing, bleaching, and mercerizing from the late-1930s to the mid-1950s.

Soil investigation and remediation was completed between 1998 and 2005. Georgia Environmental Protection Division (GA EPD) issued a letter in March 2006 concurring that the soils at the Site are in compliance with the applicable RRS. Ground water investigation has been ongoing at the Site since 1998, and TCE has been identified as the primary chemical of interest. Additional volatile organic compounds (VOCs) have periodically been detected in some Site monitoring wells. However, they have been at low concentrations and at a limited number (two or less) of wells. On-Site and off-Site monitoring wells have been installed and sampled to achieve horizontal and vertical delineation of ground water conditions associated with the Site. Contaminants were delineated to Type 1 RRS. Site-specific cleanup standards were developed for TCE through the use of computer-based contaminant transport modeling. This modeling was performed to simulate the concentration of TCE that could remain on Site without exceeding the standards protective of human health and the environment at the selected down gradient points of exposure. Contaminant transport modeling was conducted to determine Site-specific cleanup standards that would not cause an exceedance of the Type 1 RRS at a hypothetical well located 1,000 feet down gradient of the down gradient edge of the existing plume. Contaminant transport modeling and stream mixing calculations were completed to determine the Site-specific cleanup standards that would be protective of the in-stream water quality standard for surface water within the on-site stream. These Site-specific cleanup standards were developed for the source area and monitoring points (points of demonstration) located nearest to the points of exposure. Based on the most recent sampling data from September 2013, source area and point of demonstration monitoring wells at the Site are in compliance with the Site-specific cleanup standards.

CERTIFICATION OF COMPLIANCE

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

Based on my review of the findings in this report with respect to the available cleanup standards of the Georgia Voluntary Remediation Program Act, I have determined that the Site (Tax Parcel ID No. T10 005) is in compliance with the Voluntary Remediation Program Act through the use of institutional controls for a non-residential scenario.

Certified By: _____ Date: Nov 15, 13

John Laurie
Secretary
Coats & Clark

GROUND WATER SCIENTIST STATEMENT

I certify that I am a qualified ground water scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in ground water hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding ground water monitoring and contaminant fate and transport. I further certify that this Voluntary Compliance Status Report for Hazardous Site Inventory Site No. 10630 was prepared by me and appropriate qualified subordinates working under my direction. A summary of the hours spent by the Professional Engineer's firm is provided in Appendix A, in order to comply with Voluntary Remediation Plan Act.

Jennifer G. Byrd, P.E.
Georgia License No. PE035426

11/19/13
Date

1.0 INTRODUCTION

1.1 OVERVIEW

Environmental Resources Management (ERM) has prepared this Voluntary Compliance Status Report (VCSR) on behalf of Coats & Clark, Inc. (Coats). The VCSR is for the former Coats & Clark Inc. Plant 1 facility (the Site), which was listed on the Georgia Hazardous Site Inventory (HSI #10630) in August 2000. The Site was accepted into Georgia's Voluntary Remediation Program (VRP) on May 20, 2011.

This VCSR is being submitted in accordance with discussions held during the June 20, 2013 meeting with Georgia Environmental Protection Division (GA EPD), and GA EPD's subsequent letter correspondence dated June 24, 2013. This VCSR is being submitted in lieu of a semi-annual progress report for the Site.

1.2 PURPOSE

The purpose of this document is as follows:

- Provide an overview of Site investigation activities conducted at the Site as far back as 1999.
- Provide an overview of remediation activities focused on a small area of soils that were identified as not being in compliance with applicable Risk Reduction Standards (RRS).
- Provide an overview of Site investigation activities and ground water modeling results conducted since the Site entered the VRP.
- Certify ground water compliance with Site-specific cleanup standards and requirements of the VRP Act.

1.3 SITE DESCRIPTION

The Site is a former textile facility located at 506 West Doyle Street in Toccoa, Stephens County, Georgia. A Site location map is shown on Figure 1. The Site includes 41.99 acres. Approximately seven acres of the Site are developed. The remainder of the Site is wooded with steep slopes. Development at the Site includes several former textile-related buildings located at the southeast corner of the property. As shown on Figure 2, five buildings occupy the Site. Building 1 was the primary production facility at the Site. The smaller buildings served various support functions. The remainder of the Site was wooded at the time Coats owned the property. Subsequent to being sold by Coats in 2004, the new owner of the Site had the timber clear cut. The property boundaries are shown on an aerial photograph provided in Figure 3.

1.4 SITE USE AND OWNERSHIP HISTORY

The Site is a former textile finishing facility which has been closed and essentially vacant since May 1997. Key operations throughout the history of the Site included dyeing, bleaching, and mercerizing from the late-1930s to the mid-1950s. These processes primarily used water-based materials and chlorine bleach. Metalizing was performed in the northwest portion of the lower level of Building 1 from 1971 to 1977. The metalizing process produced lacquer coated plastic spools with vaporized aluminum particles embedded in the lacquer. The metalizing process

included the use of two spray machines, and minor solvent use was associated with the metalizing operations. Thread polishing was performed in the northeast portion of the lower level of Building 1 until the late 1980s using a mixture of potato starch, wax lubricant, castor oil, and a defoamer to coat the thread. In the late 1980s, this process was replaced by a method using a mixture of polyvinyl-alcohol, wax lubricant, and defoamer to coat thread. This later process was relocated to the northwest portion of the basement of Building 1 and continued until the plant closed in 1997. A thread bonding and curing process operated in the western portion of the lower level of Building 1, previously occupied by the metalizing process until the early 1980s. While the primary solvent for bonding was methanol, there was some use of 1,1,1-trichloroethane to clean wax buildup beneath certain winding machines used in the operation.

Building 1 was originally constructed in the early 1900s, and Capps Manufacturing (cotton thread) occupied the Site from at least 1923 until 1939. The facility was purchased by North Georgia Processing, a predecessor of Coats in 1939. Coats sold the Site in 2004 to Toccoa Country Club, Inc., and they sold the Site in 2005 to Toccoa Renaissance. The current property owner's name, address, and telephone number are as follows:

Toccoa Renaissance, LLP
Mr. James VanderWoude, Partner
1281 Georgia Road
Franklin, NC 28734
(828) 369-6341

2.0 SITE SETTING

2.1 TOPOGRAPHY AND GEOLOGY

The Site is located within the Gainesville Ridges District of the Piedmont Physiographic Province of Georgia at elevations ranging from 960 feet to 1,040 feet National Geodetic Vertical Datum (NGVD). The Gainesville Ridges District is characterized by a series of northeast-trending, low, linear, parallel ridges separated by narrow valleys. The ridges are composed of quartzite and gneiss, while the valleys are underlain by phyllonite and schist. These ridges vary in elevation from 1,500 to 1,600 feet in the northeast and decrease gradually to 700 feet in the southwest. Relief varies from 100 to 200 feet in the northeast to 70 to 100 feet in the southwest. A perennial creek flows through the Site from south to north.

Soils in the Piedmont are typically silt and clay-rich that formed from the in-place weathering of the underlying crystalline bedrock. The specific character of soils in the Piedmont depends on the nature of the rock from which they weathered. The percentage of sand-sized particles comprising the soils, however, typically tends to increase with depth. While silt and clay-sized materials are predominant at shallow depths, sand-sized materials are predominant at greater depths. Soils at the Site are primarily saprolitic sands ranging from fine to coarse-grained with some silt and clay content. The bedrock appears to be granitic gneiss.

2.2 HYDROGEOLOGY

Ground water in the Piedmont Physiographic Province is found within two interconnected zones. These include a shallow water-bearing zone located in the saprolite, and a deeper water-bearing zone located in the bedrock. Ground water movement in the shallow water-bearing zone typically approximates ground surface topography, with the direction of ground water movement being from upland areas to nearby drainage features. Ground water in the bedrock is located within fractures and other structural features of the rock. As such, the direction of ground water movement in the bedrock is more difficult to predict. It tends, however, to be towards more major streams.

Twenty-five (25) ground water monitoring wells have been installed at the Site. The locations of the wells are shown on Figure 2. They include two wells, MW-11 and MW-19, which were completed in the bedrock. The other wells were completed in the saprolite. The depth to water was greater than 50 feet in some wells on Site. It should also be noted that well MW-8 was completed to the top of bedrock and has remained dry since it was installed in October 2000. This shows that at the higher elevations at the Site, the shallow water-bearing zone may not be present in some areas.

Ground water and surface water elevation monitoring has been conducted on numerous occasions at the Site, primarily during ground water sampling events. The data from the most recent ground water elevation monitoring event, conducted on September 16, 2013, are discussed in Section 4.1. Generally the direction of ground water movement at the portion of the Site east of the creek is towards the northwest. West of the creek, the direction of ground water movement is towards the northeast. This suggests that the creek is a ground water flow divide and discharge point.

A review of the geologic logs for the monitoring wells installed at the Site indicates that the water-bearing materials encountered during the drilling are saprolite that is dominated by fine to medium sand. The hydraulic conductivity of these materials is estimated to range from 0.28 feet per day (10^{-4} centimeters-per-second) to 28 feet per day (10^{-2} centimeters-per-second) (Freeze and Cherry, 1979). Hydraulic gradients at the Site are estimated to be between 0.046 and 0.056. These estimates were made using the data for wells MW-13 and MW-22 from March 2012, October 2012, and September 2013. Using these gradients, the estimated range of hydraulic conductivity values discussed above, and assuming an effective porosity of 30 percent, it is estimated that the rate of ground water movement at the Site is between 0.043 feet-per-day and 5.2 feet-per-day.

Two well clusters are located at the Site. Each cluster consists of a well completed into the shallow water-bearing zone and one well completed into the bedrock. Wells MW-3 and MW-11 comprise one cluster. Wells MW-10 and well MW-19 comprise the second cluster. Wells MW-3 and MW-10 are completed in the shallow water-bearing zone. Wells MW-11 and MW-19 are completed in the bedrock.

3.0 SITE ENVIRONMENTAL BACKGROUND

3.1 HISTORICAL INVESTIGATIONS AND REPORTS

Detailed descriptions of Site investigation history have been provided in reports and correspondence submitted to GA EPD over the past 12+ years. A summary of the content of relevant historical reports and correspondence pre-dating acceptance into the VRP is provided below:

Phase I Environmental Site Assessment, July 1998, prepared by ERM

- Four areas of concern (AOCs) were identified including a former burn pit and solid waste disposal area, a former wastewater holding pond, a former coal storage area, and a flammable chemicals storage building. These AOCs are shown as potential source areas in Figure 4.

Compliance Status Report, July 1, 2002, prepared by ERM

- Field investigations were performed to investigate AOCs between August 1999 and April 2002.
- An additional potential source area was identified by a former long-term employee of the facility; this potential source area was located near the southwest corner of the main building where degreasing activities were reportedly conducted periodically. A soil sample was also collected from this area and analyzed for VOCs; however, no VOCs were detected in this sample.
- Results of a TCLP analysis indicated that the test pit material collected in the former burn pit and solid waste disposal area was not characteristically toxic as defined under the Resource Conservation and Recovery Act (RCRA, 40 CFR Part 261.24).
- Several metals were present in soil samples collected near the former flammable chemicals storage building and adjacent to the former location of the coal pile, but did not exceed their respective Notification Concentration (NC).
- Three semi-volatile organic compounds (SVOCS) were detected in a soil sample collected near the former wastewater holding pond; however, none of the SVOCs exceeded their respective NC.
- No VOCs were detected in any of the soil samples collected during this investigation.
- Seventeen ground water monitoring wells (MW-1 through MW-17) were installed at the Site. No SVOCs were reported in the ground water samples. Low concentrations of metals including beryllium, chromium, copper, and zinc were detected in ground water. These metals were all less than their respective maximum contaminant level (MCL) and/or their respective Type 1 RRS, and are therefore believed to occur naturally in ground water and are not considered representative of a release. VOCs were detected in ground water, including carbon tetrachloride, chloroform, 1,1,1-trichloroethane (1,1,1-TCA), and trichloroethene (TCE).

- A release notification was submitted to GA EPD on March 30, 2000 for the aforementioned VOCs in ground water.
- Surface water samples were also collected from the unnamed creek running through the Site and analyzed for metals and VOCs. Low concentrations of VOCs (carbon disulfide and trichloroethene) were detected in surface water at levels below Georgia's In-Stream Water Quality Standards (ISWQS).

Revised Compliance Status Report, April 2, 2004, prepared by ERM

- A Revised Compliance Status Report (RCSR) was submitted to GA EPD to address comments raised by way of GA EPD correspondence dated February 21, 2003 and August 18, 2003 regarding additional soil and ground water sampling to more fully delineate the extent of regulated substances in soil, ground water, and solid wastes.
- Eighteen test pits (see Figure 3-1 of the *Revised Compliance Status Report*) were excavated in the former burn pit and solid waste disposal area. No VOCs were detected in any of the samples. Metals were detected in samples collected from several of the test pits, and SVOCS were present in the sample of roofing tar from one test pit, and at low concentrations in other test pits.
- Additional soil samples were collected in proximity to the former burn pit area, former wastewater pond, beneath the floor of the metalizing area, former degreasing area, and two trash piles along Clark Street. Background soil samples were also collected at the Site to estimate background levels for the metals in soil. The following metals were detected in soils at the Site: arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, antimony, silver, selenium, and zinc. SVOCs including bis(2-ethylhexyl) phthalate, fluoranthene, and phenanthrene were detected in two soil samples collected at the Site, and TCE was the only VOC detected at the Site. TCE was only detected in one boring location.
- Three additional ground water monitoring wells were installed at the Site, including a second bedrock well (MW-19). Samples collected from these wells indicated that TCE was the only VOC that had been consistently detected in several wells at the Site.
- The 2004 RCSR concluded that the former burn pit and solid waste disposal area was the only location where soils had concentrations of regulates substances that exceeded Type 1 through 4 RRS. The exceedances of the RRS were limited to select metals.
- Additionally, the 2004 RCSR concluded that concentration of carbon tetrachloride and TCE in the ground water were not in compliance with any RRS.

Corrective Action Completion Report for Soils, February 15, 2006, prepared by ERM

- A Corrective Action Plan dated April 8, 2005 proposed excavation and off-Site disposal activities for the soils at the Site. This CAP was approved by GA EPD by way of correspondence dated September 26, 2005.
- Approximately 35.5 tons of soils and solid waste was excavated at the former burn pit and solid waste disposal are and taken off-Site for disposal.

- Analyses of confirmation samples collected from the excavated area indicated all metal concentrations in soil were below Type 3 or 4 RRS.

Letter Correspondence re: Coats & Clark Correction Action Report – Soils, March 6, 2006, prepared by GA EPD

- The Corrective Action Completion Report for Soils was approved by GA EPD by way of correspondence dated March 6, 2006, and GA EPD concurred that the soils at the Site are in compliance with the applicable RRS. GA EPD also stated in the letter that the CSR for the Site was complete.

3.2 VRP INVESTIGATIONS AND REPORTS

A detailed account of Site investigations completed under the VRP has been provided in semi-annual progress reports previously submitted to GA EPD. As such, a brief summary of the content of these semi-annual reports is provided below:

First Semi-Annual Progress Report, November 18, 2011

- Three monitoring wells, MW-21, MW-22, and MW-23, were installed and sampled in October 2011 to demonstrate horizontal delineation.
- TCE was detected above delineation criteria in all three monitoring wells, and was detected at its highest concentration (420 µg/L) on-Site at MW-22.
- Surface water samples were collected at five locations, and all VOCs were below ISWQS.
- Five soil vapor sampling points were installed and sampled to assess the vapor intrusion pathway at the Site (see Section 8.4 for further discussion of the vapor intrusion pathway evaluation).

Second Semi-Annual Progress Report, May 18, 2012

- Ground water samples were collected from eighteen monitoring wells in March 2012.
- All VOC concentrations at MW-21 were below detection limits suggesting this well would complete the eastern delineation boundary.
- Surface water samples were collected at five locations, and all VOCs were below ISWQS.
- Two additional soil vapor sampling points (VP-6 and VP-7) were installed to assess the vapor intrusion pathway at 133 Clark Street (see Section 8.4 for further discussion of the vapor intrusion pathway evaluation).

Third Semi-Annual Progress Report, November 19, 2012

- Ground water samples were collected from nineteen monitoring wells in October 2012.
- TCE was detected above its delineation concentration at MW-21, and recommendations were made to redevelop this well due to reoccurring turbidity issues.
- Surface water samples were collected in four locations, and all VOCs were below ISWQS.
- Additional assessment of the vapor intrusion pathway was completed by collecting soil vapor samples from VP-3, VP-6, and VP-7, and collecting indoor and outdoor ambient air samples at 133 Clark Street for VOCs (see Section 8.4 for further discussion of the vapor intrusion pathway evaluation).

- MW-21 was redeveloped and sampled, but TCE concentration remained above delineation criteria.
- Two monitoring wells, MW-24 and MW-25, were installed and sampled for the purpose of establishing the eastern delineation boundary. All VOCs were below detection limits at these two wells.

3.3 POTENTIAL SOURCES

Extensive work was conducted to identify the source of regulated substances in ground water. This work included:

- A review of historical records concerning the Site, including aerial photographs, fire insurance maps, and facility engineering records.
- Interviews with long-time employees of the facility.

Based on this work, several possible sources of VOCs in ground water were identified. They include:

- A former wastewater holding pond.
- A former flammable chemicals storage building.
- An outside area reportedly used by facility personnel for degreasing equipment.
- Wooded areas located north of the developed portion of the Site where unauthorized trash dumping had taken place.
- An area inside the main building (Building 1) at the Site where small amounts of solvent were used for spot cleaning and for cleaning paint equipment associated with metalizing operations.

Each of these possible source areas has been investigated. None were confirmed as being the source of the VOCs in ground water at the Site. The locations of these potential source areas are shown on Figure 4. Based on this and the extent of other investigation activities at the Site, it was concluded that a specific, significant source of the VOCs in ground water is not present.

4.0 CURRENT GROUND WATER CONDITIONS

ERM collected potentiometric surface data from available wells and collected ground water samples for laboratory analysis of VOC concentrations in September 2013. Monitoring well locations are shown in Figure 2. Construction details for the monitoring wells are provided in Table 1.

4.1 POTENTIOMETRIC SURFACE

Ground water levels were measured at all of the monitoring wells on September 16, 2013 with the exception of MW-6 which was measured on September 19, 2013. MW-6 could not be located on September 16th, but was located at a later time during the sampling event through the use of a metal detector. These measurements were converted to elevations for the purpose of creating a potentiometric surface map. Ground water elevation data from September 2013 is shown on Figure 5 and summarized in Table 2. Ground water flow is generally toward the north and toward the confluence of two streams, with some local influence to the west caused by the stream that drains across the property from south to north.

4.2 GROUND WATER SAMPLING METHODS

Ground water samples were collected from 24 monitoring wells (MW-1 through MW-7 and MW-9 through MW-25) on September 16 through 19, 2013 for laboratory analysis of VOC concentrations via EPA Method 8260B. Ground water samples were collected utilizing low flow/low volume techniques in accordance with the SESDPROC-301-R2 sampling protocol. During the low flow/low volume purging period the temperature, specific conductance, pH, and turbidity of the ground water were measured in the field as the samples were collected.

The ground water samples and associated trip blanks were analyzed for VOCs by EPA Method 8260B. Field parameter measurements collected during the ground water sampling event are summarized in Table 3. The ground water sampling log forms are located in Appendix B.

4.3 GROUND WATER ANALYTICAL RESULTS

Four VOCs were detected in ground water during the September 2013 sampling event. The ground water analytical laboratory reports are provided in Appendix C, and analytical data is summarized in Table 4. Analytical results are also shown on Figure 6.

The four VOCs that were detected in ground water in September 2013 have been detected at this Site previously, and include:

- Tricholorethene (TCE) was detected at eight wells (MW-1, MW-3, MW-10, MW-13, MW-15, MW-18, MW-22, and MW-23) at concentrations above RRS;
- Chloroform was detected at three wells (MW-3, MW-11, and MW-22) at concentrations below the Type 1 RRS;

- Carbon tetrachloride was detected at two wells (MW-3 and MW-4) at concentrations above RRS; and

- 1,1,1-Trichloroethane was detected at MW-4 at concentrations below the Type 1 RRS.

The highlighted values in Table 4 are the chemical concentrations that exceed the delineation standards set in the Voluntary Investigation and Remediation Plan (VIRP); carbon tetrachloride and TCE were the only VOCs detected above the delineation standards.

4.4 GROUND WATER DELINEATION

The Fourth Semi-Annual Progress report (ERM, 2013) stated that horizontal delineation had been achieved at the Site in all directions. The recently installed delineation wells to the east, MW-24 and MW-25, were resampled in September 2013 to evaluate any seasonal variations in concentrations. The analytical results collected during the sampling event were used to prepare an updated ground water quality and delineation map for the Site (Figure 6)

All VOCs in samples collected from MW-24 and MW-25 were below detection limits in ground water during the September 2013 sampling event. Based on the results from MW-24 and MW-25, ground water conditions have been delineated horizontally both on- and off-Site to the delineation standards set in the Voluntary Investigation and Remediation Plan (VIRP) and summarized in Table 4.

5.0 CURRENT SURFACE WATER CONDITIONS

Surface water samples were collected at five locations during the September 2013 sampling event for laboratory analysis of VOC concentrations via EPA Method 8260B. The surface water sampling locations are shown on Figure 2. Efforts were made to ensure that samples from the creek were collected during periods of base flow. As such, the sampling was timed to avoid periods of precipitation and shortly thereafter.

The analytical results from the surface water sampling event were compiled and compared to ISWQS. The analytical report is provided in Appendix C, and a summary table of the data is provided in Table 5.

No VOCs were detected above laboratory detection limits in surface water samples collected during the September 2013 sampling event.

6.0 CONTAMINANT TRANSPORT MODELING FOR TRICHLOROETHENE

Contaminant transport modeling was conducted to simulate the concentration of contaminants that could remain on Site without exceeding the standards protective of human health and the environment at the selected down gradient points of exposure. Such standards are referred to herein as Site-specific cleanup standards. Modeling results were first submitted to GA EPD in the Third Semi-Annual Progress Report submitted under the VRP Act on November 19, 2012 (ERM, 2012). In a correspondence dated January 28, 2013, GA EPD approved the use of BIOCHLOR for contaminant transport modeling at the Site.

ERM met with GA EPD on June 20, 2013 to discuss the data set utilized during the modeling effort and reviewed the assumptions and Site conceptual model used to define the modeling boundary conditions and input parameters. The modeling effort presented below incorporates the Site conceptual model discussed during the June 20, 2013 meeting. Following the meeting, in a letter dated June 24, 2013 GA EPD requested the updated modeling results be submitted as part of this final VCSR.

The following two scenarios were modeled:

Protection of ground water – Contaminant transport modeling was conducted to determine the Site-specific cleanup standard that would not cause an exceedance of the Type 1 RRS at a hypothetical well located 1,000 feet down gradient of the down gradient edge of the existing plume.

Protection of surface water – Contaminant transport modeling and stream mixing calculations were completed to determine the Site-specific cleanup standard that would be protective of the ISWQS for surface water within the on-Site stream.

Modeling was completed for TCE only, as this is the only contaminant that consistently exceeds the Type 1 RRS in more than two wells at the Site. As mentioned in Section 4.3, carbon tetrachloride was also detected at concentrations above RRS at two wells during the September 2013 sampling event. A discussion of contaminant transport modeling related to carbon tetrachloride is included in Section 7.0.

6.1 CONTAMINANT TRANSPORT MODELING FOR GROUND WATER PROTECTION

The Site-specific cleanup standards were calculated to be protective at the hypothetical point of exposure 1,000 feet down gradient of the edge of the plume (this boundary is defined as the non-detect line shown on Figure 6). The Site-specific cleanup standards were calculated using the BIOCHLOR model.

BIOCHLOR is a screening model intended for the simulation of remediation of dissolved solvents at chlorinated solvent release sites by natural attenuation. It is based on the Domenico analytical solute transport model and has the ability to simulate one-dimensional advection, three-dimensional dispersion, linear adsorption, and biotransformation via the reductive dechlorination process. BIOCHLOR (version 1.0) was co-published in January 2000 by the U.S.

EPA and U.S. Air Force (USEPA 2000). It was subsequently revised in March 2002 (version 2.2). The revised version allows source decay to be used in the simulation and has a module to derive site-specific biodegradation rates based on field data (USEPA 2002a).

BIOCHLOR was used to model TCE transport at the Site. The bioremediation aspect of the BIOCHLOR model is intended for use with chlorinated ethene and ethanes in an anaerobic environment. Ground water at the Site is a mix of aerobic and anaerobic conditions. In order to use BIOCHLOR to model TCE transport in an aerobic aquifer the biodegradation constants in the BIOCHLOR model were set to zero. When the biodegradation parameter meant to represent reductive dechlorination is set to zero, BIOCHLOR becomes a basic contaminant transport model.

An electronic version of the BIOCHLOR files for this Site is included in Appendix D on the compact disc version of this report. Images for the input and output screens of each modeled scenario are included in Appendix E.

6.1.1 Calibration and Validation of the Model

The BIOCHLOR model for the Site was calibrated with data from the October 2011 data set and validated with data from the March 2012, October 2012, and September 2013 data sets. Input parameters for the calibration runs are presented below. The model was calibrated with data from monitoring wells MW-22, MW-15, and MW-13, located along the centerline of the plume. BIOCHLOR files for both the calibration and validation runs are included in Appendix D on the compact disc version of this report. Images for the input and output screens of each modeled scenario are also included in Appendix E.

Parameter	Calibration Input Values	Validation Input Values	Units	Source
Data set utilized	Oct-11	Mar-12, Oct-12, Sept-13	---	The historic high TCE concentration was used for the September 2013 validation run for MW-22 (see Section 6.1.3)
Hydraulic Conductivity	1.30E-04	1.30E-04	cm/sec	Slug test data presented in the 2005 Corrective Action Plan (CAP)
Hydraulic Gradient	0.046	0.047 (March 2012), 0.046 (October 2012), and 0.056 (Sept 2013)	ft./ft.	Data from MW-15 and MW-13 for October 2011 (MW-22 had not yet been surveyed) and data from MW-22 and MW-13 for March 2012, October 2012, and September 2013
Effective Porosity	0.3	0.3	---	Standard value
Dispersion (alpha x)	50	50	ft.	Based on 0.1 x plume length

Parameter	Calibration Input Values	Validation Input Values	Units	Source
Soil Bulk Density	1.7	1.7	kg/L	Standard value
Fraction of Organic Carbon	0.002	0.002	---	Standard value
TCE Partitioning Coefficient	130	130	L/kg	Standard value
Biotransformation 1st Order Decay Coefficients	0	0	1/yr.	Set to zero due to aerobic conditions in aquifer
Simulation Time	60	60	yrs.	Estimated based on Site history
Modeled Area Width	400	400	ft.	Width of TCE plume within the non-detect boundary (Figure 6)
Modeled Area Length	500	500	ft.	Length of TCE plume within the non-detect boundary (Figure 6)
Source Thickness in Saturated Zone*	25	25	ft.	Estimated based on site hydrogeology
Source Width in Saturated Zone*	40	40	ft.	Estimated based on site hydrogeology

*Source in this case as defined by Biochlor

The BIOCHLOR model output concentration versus distance graphs for the calibration and validation runs are presented in Figure 7.

Based on the BIOCHLOR model output graphs presented in Figure 7, the contaminant transport equations utilized by BIOCHLOR accurately calculate the current Site specific concentrations observed on Site for both the calibration run (October 2011) and the validation runs (March 2012, October 2012, and September 2013).

6.1.2 Site-Specific Cleanup Standards for Protection of Ground Water

Input values for the validated BIOCHLOR model were utilized to predict the Site specific source area TCE concentration that could remain on Site without resulting in an exceedance of the Type 1 RRS for TCE (5 µg/L) at the Point of Exposure (POE), defined as the hypothetical well located 1,000 feet down gradient of the down gradient edge of the existing plume. In order to model the hypothetical scenario, the following changes were made in input parameter values:

- The simulation time was extended from 60 years to 1,000 years in order to simulate steady state conditions.

- The plume length was increased from 500 feet to 1,500 feet to allow contaminant transport calculation through the POE.

- To estimate the corresponding plume width, the dispersion (alpha x) was increased from 50 feet to 150 feet based on the estimated value of 0.1 x plume length, which was increased from 500 feet to 1,500 feet.

The BIOCHLOR file used to calculate the Site-specific cleanup standard for protection of ground water is included in Appendix D on the compact disc version of this report. Images for the input and output screens of each modeled scenario are also included in Appendix E. Ground water modeling results for the three evaluation points within the plume are summarized below.

Evaluation Point	Location at Site	Site-Specific Cleanup Standards for TCE*
Source Area	MW-22	550 µg/L
Point of Demonstration	MW-17	7 µg/L
Point of Exposure	Hypothetical well located 1,000 feet down gradient of down gradient plume boundary (1,500 ft. from source area)	5 µg/L

*Calculated standard is based on the principle of protecting the POE from exceeding 5 µg/L TCE.

TCE concentrations observed in ground water during the September 2013 sampling event are less than the Site-specific cleanup standards for TCE that will be protective of ground water at both the source area and the Point of Demonstration (POD), MW-17. In addition, the TCE concentration measured in MW-22 (source area well) and MW-17 (POD well) have never exceeded the calculated Site-specific cleanup standards for TCE.

As requested in the January 28, 2013 GA EPD comment letter, the simulation time for the protection of ground water modeling was increased in 5 year intervals between 60 and 120 years. In addition, the simulation time was set to 1,000 years to simulate steady state conditions. The results are shown in Table 6. The TCE concentration at the POE never exceeds 5 ug/L throughout the simulation time of 120 years or at steady state conditions represented with a simulation time of 1,000 years.

6.1.3 Conservative Assumptions Built into the Protection of Ground Water Modeling Effort

The following conservative assumptions were incorporated into the protection of ground water modeling effort:

1. ***Distance to the POE*** A surface water body oriented perpendicular to the ground water flow direction is located directly north of monitoring well MW-17, approximately 1,200 feet from the source area. Although the POE was set to be a hypothetical well located 1,500 feet downgradient of the source area, in reality ground water down gradient of the

source area reaches a discharge point at approximately 1,200 feet downgradient of the source area. Using the surface water body as the POE rather than the hypothetical well 1,500 feet downgradient of the source area would increase the Site-specific cleanup standards. In order to remain conservative, the POE was left at the hypothetical well located 1,500 feet downgradient of the source and the lower, more conservative Site-specific cleanup standard for TCE is proposed.

2. ***Source Area TCE Concentration for September 2013 Validation Run*** The TCE concentration in the source area well (MW-22) decreased from 320 ug/L measured in October 2012 to 80 ug/L measured in September 2013. In order to retain the conservative nature of the modeling effort, the historic high TCE concentration for MW-22 (420 ug/L observed in October 2011) was used for the September 2013 validation run.

6.2 CONTAMINANT TRANSPORT MODELING FOR SURFACE WATER PROTECTION

Due to the presence of the stream on-Site, Site-specific cleanup standards for TCE that will be protective of the surface water body (i.e. ground water concentrations that will not result in an exceedance of the ISWQS) have been calculated in addition to the contaminant transport modeling completed for protection of ground water (Section 6.1). The calculations for protection of surface water standards include the following two segments:

Point of Demonstration Calculation – The TCE concentration that can be observed immediately adjacent to the stream that will not result in an exceedance of the ISWQS for TCE (30 µg/L) was calculated using a mass balance equation. This concentration was used to measure compliance in the two surface water protection point of demonstration wells (MW-10 and MW-13) located adjacent to the stream.

Source Area Concentration Calculation – The contaminant transport equation embedded in the BIOCHLOR model was used to calculate the concentration of TCE that could remain in the source area and not exceed the TCE concentration in ground water that is protective of surface water at the surface water protection POD wells (MW-10 and MW-13). This concentration was used to evaluate compliance in the source area monitoring point (MW-22) as well as other points between MW-22 and the surface water POD wells (MW-10 and MW-13).

The protection of surface water modeling results are presented in the following sections.

6.2.1 Stream Flow Measurement

Flow in the on-Site surface water body was measured during the October 2012 stream sampling event. The flow rate was measured at the four accessible stream gauge locations. The flow velocity at each location was measured with a Flo-Mate 2000 velocity meter. Stream flow was calculated through the following steps:

- A clear section of stream free of angles and debris was identified near each stream gauge location.

- A tagline was setup across established cross section noting the left edge and right edge of water. A tagline is a cloth measuring tape used to determine the width and sections of a stream.

- The cross section was divided into 25 transects or the width of the meter making sure that 10% of the flow was not included in one subsection.

- At each transect, a wading rod with grades on it was used determine the depth. If the water depth was less than 1.5 feet the meter was set at 6/10 the depth. If the depth was greater than 1.5 feet measurements were collected at 2/10 and 8/10 and an average of the two numbers was utilized. The area was calculated with these width and depth measurements.

- Velocity measurements were collected at the correct depth with a Flo-Mate 2000 velocity meter. The velocity measurements (given in feet per second) were multiplied by the measured area of the transect (in square feet) to produce the flow rate of the stream (in cubic feet per second).

Field forms including flow rate calculations for each of the stream gauge locations are included in Appendix B. A summary of the stream flow measurement results is provided below.

Stream Gauge	Measured Flow Rate (cfs)
SW-2	0.090
SW-3	0.12
SW-4	0.14
SW-5	0.09
Average	**0.11**

The average flow rate measured in the on-Site surface water body is 0.11 cubic feet per second.

6.2.2 Mass Balance Equation for Calculating Surface Water POD Compliance Concentration

The following mass balance equation was used to calculate the concentration of TCE that could remain in ground water at the POD wells (MW-10 and MW-13) and be protective of surface water quality (i.e. the concentration of TCE that would not result in an exceedance of the ISWQS of 30 µg/L).

$$Csw = Cgs[Qgw/(Qgw+Qsw)] \quad \text{(USEPA 2010)}$$

Input Variable	Description	Units	Value	Comment
Csw	surface water contaminant concentration (µg/L)	µg/L	30	Set to ISWQS for TCE
Cgs	ground water contaminant concentration at discharge	µg/L	---	Calculated by equation
Qsw	surface water flow rate	ft3/sec	0.11	Field measurement
Qgw	ground water discharge flow rate	ft3/sec	0.02	Calculated based on Qgw = V x l x h
V	ground water velocity	ft/yr.	20.7	Calculated by BIOCHLOR modeling (March 2012 validation run) using site specific gradient and hydraulic conductivity data
l	Plume length at discharge point	ft	675	Based on March 2012 TCE plume
h	Plume thickness at discharge point	ft	45	Based on site specific hydrogeology data

Based on the mass balance equation and input parameters listed above, a concentration of 195 µg/L of TCE can remain in the ground water immediately adjacent to the stream and not result in an exceedance of the ISWQS for TCE.

6.2.3 Site-Specific Cleanup Standards for Protection of Surface Water

The contaminant transport equation in the BIOCHLOR model was used to calculate the TCE concentration that could remain in the source area without exceeding 195 µg/L at the POD wells MW-10 and MW-13, located adjacent to the surface water body. The same input parameters as the validated BIOCHLOR model presented in Section 6.1.1 were utilized with the following conservative exceptions:

- The simulation time was extended from 60 years to 1,000 years in order to simulate steady state conditions,
- The plume length was decreased from 500 feet to 240 feet to simulate the shortest distance between the source area and the surface water body, and
- The dispersion (alpha x) was decreased from 50 feet to 24 feet based on the estimated value of 0.1 x plume length, which was decreased from 500 feet to 240 feet.

The BIOCHLOR file used to calculate the source area Site-specific cleanup standard for protection of surface water is included in Appendix D on the compact disc version of this report. Images for the input and output screens of each modeled scenario are also included in Appendix E. Based on the modeling results, a concentration of 625 µg/L TCE can remain in the

source area (MW-22) without exceeding the POD compliance value of 195 µg/L at the edge of the on-Site surface water body. As discussed in Section 6.2.2, a TCE concentration of 195 µg/L can remain in the ground water immediately adjacent to the stream and not result in an exceedance of the ISWQS for TCE.

6.2.4 Protection of the Surface Water Modeling Summary

Based on the modeling results presented in the previous sections, the following compliance points and values will be utilized for protection of surface water.

Evaluation Point	Location at Site	Site-Specific Cleanup Standards for TCE
Source Area	MW-22	625 µg/L
Point of Demonstration	MW-10 and MW-13	195 µg/L
Point of Exposure	Surface water samples	30 µg/L

TCE concentrations observed in ground water during the September 2013 sampling event are less than the Site-specific cleanup standards for TCE that will be protective of surface water.

As requested in the January 28, 2013 GA EPD comment letter, the simulation time for the protection of surface modeling was increased in 5 year intervals between 60 and 120 years. In addition, the simulation time was set to 1,000 years to simulate steady state conditions. The results are shown in Table 6. The TCE concentration at the POD never exceeds the calculated standard for protection of the surface water body, 195 ug/L, throughout the simulation time of 120 years or at steady state conditions represented with a simulation time of 1,000 years.

6.2.5 Conservative Assumptions Built Into the Protection of Surface Water Modeling Effort

The following conservative assumptions were incorporated into the protection of surface water modeling effort:

1. ***Distance between the source area and the surface water body*** The shortest distance between the source area (i.e. MW-22) and the surface water body was used in the contaminant transport model for calculation of the protection of surface water standards. The actual flow path of ground water between the source and the surface water body likely follows the contaminant contours and runs parallel to the surface water body prior to discharging into the creek. In order to account for the unlikely but potential worst case scenario, a direct path perpendicular to the ground water flow direction shown in Figure 5 was assumed and used for calculation of the protection of surface water standards.

2. ***Plume length at discharge point*** The entire length of the TCE plume was assumed as a potential discharge point into the surface water body when calculating the TCE concentration that can remain in ground water without exceeding the surface water

standard. Said another way, the calculations were run so that the point of demonstration standard for TCE (195 ug/L) is assumed to discharge to the surface water body over the entire length of the plume, i.e. the distance between the source area and monitoring well MW-14, 675 feet, without exceeding surface water standards. The actual discharge length into the stream is unknown, but would not exceed the distance that the TCE plume runs parallel to the surface water body (roughly 300 feet between MW-10 and MW-13).

7.0 SITE-SPECIFIC CLEANUP STANDARDS FOR CARBON TETRACHLORIDE

Carbon tetrachloride has been consistently detected in monitoring well MW-3 at concentrations ranging between 11 µg/L and 41 ug/L since investigation activities began in 2000. The Type 1 RRS for carbon tetrachloride is 5 µg/L. Carbon tetrachloride has been detected intermittently at very low concentrations in one other monitoring well (MW-4) on only three occasions in the well's 13 year sampling history. The highest concentration of carbon tetrachloride detected in MW-4 was 7 µg/L in April 2006. Carbon tetrachloride has never been identified at detectable concentrations in any other monitoring wells at the Site, or in any of the surface water samples collected from the on-Site surface water body since 2000.

7.1 SITE-SPECIFIC CLEANUP STANDARDS FOR GROUND WATER PROTECTION

Because carbon tetrachloride has been consistently detected in only one monitoring well at the Site, a contaminant transport model cannot be calibrated and validated to calculate a Site-specific standard. However, the methodology used to calculate the Site-specific cleanup standards for TCE is based on several conservative assumptions that are relevant when considering an appropriate Site-specific cleanup standard for carbon tetrachloride.

The contaminant transport model utilized to calculate the Site-specific cleanup standard for TCE was calibrated and validated with several rounds of Site-specific data. The boundary conditions of the TCE model were established to ensure that the Type 1 RRS for TCE of 5 ug/L will never be exceeded at a hypothetical well located 1,500 feet down gradient of the source area. The Type 1 RRS standard for carbon tetrachloride is the same as the Type 1 RRS for TCE (i.e. 5 µg/L). It stands to reason, therefore, that the Site-specific cleanup standard established for TCE for protection of ground water would also be appropriate for carbon tetrachloride. Said another way, because the Type 1 RRS for TCE and carbon tetrachloride are the same, the Site-specific cleanup standard determined for TCE using the modeling discussed in Section 6.1.3 can also be applied to carbon tetrachloride in the source area and be protective of the Type 1 RRS at the hypothetical well. In addition to the inherent conservative assumptions incorporated into the TCE contaminant transport model (Section 6.1.3), the following additional conservative elements apply when considering carbon tetrachloride:

- TCE is the primary contaminant of concern at the Site and has historically been detected at concentrations an order of magnitude higher than the concentration of carbon tetrachloride detected at the Site.
- Carbon tetrachloride has been consistently detected in only one monitoring well at the Site (MW-3), which is located 470 feet up gradient of the TCE source area monitoring well MW-22. As such, the distance between the carbon tetrachloride source area well, MW-3, and the POE is 1,970 feet compared to 1,500 feet between the TCE source area well, MW-22, and the POE. This added distance would allow for additional reduction in carbon tetrachloride concentrations by dilution and dispersion before reaching the POE.
- There is no carbon tetrachloride plume at the Site. Carbon tetrachloride has only been consistently detected in one monitoring well. Consequently, the measurements of the TCE plume built into the contaminant transport model for TCE (i.e. 400 feet wide by 500

feet long, see Section 6.1.1) would greatly overestimate the volume of ground water impacted by carbon tetrachloride.

Based on the information provided above, the Site-specific TCE source area standard for protection of groundwater, 550 µg/L, has been adopted for carbon tetrachloride. The highest concentration of carbon tetrachloride ever detected at the Site (41 µg/L detected at MW-3 in April 2006) is an order of magnitude less than the adopted standard.

7.2 SITE-SPECIFIC CLEANUP STANDARDS FOR SURFACE WATER PROTECTION

Due to the presence of the on-Site surface water body, consideration must also be given to an appropriate carbon tetrachloride standard for the protection of surface water. The calculation of the Site-specific cleanup standard for carbon tetrachloride that is protective of the surface water body is based on the mass balance equation first presented in Section 6.2.2 and shown again below for reference.

$$Csw = Cgs[Qgw/(Qgw+Qsw)] \quad \text{(USEPA 2010)}$$

Input Variable	Description	Units	Value	Comment
Csw	surface water contaminant concentration (µg/L)	µg/L	1.6	Set to ISWQS standard for carbon tetrachloride
Cgs	ground water contaminant concentration at discharge	µg/L	---	Calculated by equation
Qsw	surface water flow rate	ft3/sec	0.11	Field measurement
Qgw	ground water discharge flow rate	ft3/sec	0.003	Calculated based on Qgw = V x l x h
V	ground water velocity	ft/yr.	20.7	Same as the TCE modeling data
l	Plume length at discharge point	ft	100	Estimated
h	Plume thickness at discharge point	ft	45	Based on Site-specific hydrogeology data

Based on the mass balance equation and input parameters listed above, a concentration of 61 µg/L of carbon tetrachloride could remain in the ground water immediately adjacent to the stream and not result in an exceedance of the ISWQS for carbon tetrachloride, 1.6 µg/L. In the absence of a contaminant transport model for carbon tetrachloride and to remain conservative in the modeling assumptions, 61 µg/L will be applied as a Site-specific cleanup standard for carbon tetrachloride for the protection of surface water.

8.0 POTENTIAL EXPOSURE PATHWAYS AND RECEPTORS

8.1 HUMAN HEALTH AND ECOLOGICAL RECEPTORS

The Site is mostly undeveloped. Timber on the Site was clear cut in 2004. Most of the Site is currently covered with thick vegetation that has regenerated naturally since the clear cutting. The facility and surrounding area are served by a public water supply system operated by the City of Toccoa. Accordingly, ground water is not being used at the Site for any purpose.

Potential ecological receptors are believed to be limited to animals common to the northeast Georgia area such as chipmunks, opossum, and raccoons. Game species are also common to the area including whitetail deer, gray squirrels, bobcat, and red and gray foxes. No endangered species are known to be found at the Site. There is no evidence to suggest that humans or ecological receptors are exposed to the VOCs in ground water.

8.2 GROUND WATER EXPOSURE PATHWAY

The Site and surrounding area are served by a municipal water supply system operated by the City of Toccoa, Georgia. As such, ground water in this area is not used as a drinking water source. The closest water supply well known to be located in the vicinity of the Site is operated by Toccoa Falls College. This well is located approximately 4,000 feet northwest of the Site. Toccoa Falls College personnel reported that the well has been disconnected from the potable water system and is now used strictly for irrigating baseball and soccer fields. Several ground water discharge points in the form of creeks are located in between the Site and this well. Based on this information and the extent of the contaminant plume, the ground water exposure pathway is not complete.

8.3 SURFACE WATER EXPOSURE PATHWAY

As discussed previously, the unnamed creek that flows south to north across the Site is a discharge point for shallow ground water. Surface water sampling has been conducted at the Site for 13 years. TCE has been detected at low concentrations periodically in surface water samples, but never at concentrations exceeding the ISWQS. Based on modeling predictions discussed in Section 6.2.4, the TCE concentration at the POD wells will never exceed the calculated standard for protection of the surface water body of 195 ug/L throughout the simulation time of 120 years or at steady state conditions represented with a simulation time of 1,000 years.

8.4 VAPOR INTRUSION PATHWAY

The vapor intrusion pathway was evaluated per OSWER Draft Guidance for Evaluating Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (USEPA, 2002b). As summarized in the First Semi-Annual Report for the VRP (ERM, 2011), Tier 1 and Tier 2 assessments were completed for the Site. Based on the screening results of the Tier 1 and Tier 2 assessments, the Site-Specific Pathway Assessment (Tier 3) was conducted.

Five soil gas samples were collected within and adjacent to the most concentrated portion of the ground water plume in August 2011. Results from the vapor sampling effort indicated that two locations (VP-3 and VP-5) had VOC soil gas concentrations greater than the Target Shallow Soil Gas Concentration Corresponding to Target Indoor Air Concentration Where the Soil Gas to Indoor Air Attenuation Factor – 0.1 presented in USEPA, 2002b. As such, the Johnson and Ettinger (J&E, 1991) soil-gas model was used to assess the potential risk from the vapor intrusion pathway. Results from the J&E soil gas model indicated that an unacceptable risk was not present.

Per comments received by GA EPD in a letter correspondence dated March 1, 2012, additional vapor intrusion evaluation was completed in May 2012. Two additional vapor intrusion points (VP-6 and VP-7) were installed and sampled. VP-6 was installed near MW-22, and VP-7 was installed within the crawl space of the nearest residence to MW-22 (133 Clark Street). VP-3, which historically had the highest concentrations of VOCs in soil vapor, was also resampled during this time. Indoor and outdoor ambient air samples at the 133 Clark Street residence were collected concurrently with the soil vapor sampling. The TCE vapor concentration at VP-3 exceeded the Target Shallow Soil Gas Concentration Corresponding to Target Indoor Air Concentration Where the Soil Gas to Indoor Air Attenuation Factor = 0.1 of 22 $\mu g/m^3$ (USEPA, 2002b). As such, the J&E soil-gas model was updated to assess the potential risk from the vapor intrusion pathway. ERM's Third Semi-Annual Progress Report for the VRP provides a detailed discussion of the updated vapor intrusion analysis (ERM, 2012). Based on the results of the updated J&E model and the soil vapor and indoor/outdoor air sampling results, it was concluded that the vapor intrusion pathway does not cause an unacceptable level of risk.

9.0 INSTITUTIONAL CONTROLS

A restrictive covenant, that is consistent with the requirements of the Georgia Universal Environmental Covenants Act, is proposed for the following properties that are located within the Site delineation boundary, depicted in Figure 8:

- Tax Parcel ID No. T10 005 (Subject Site, owned by Toccoa Renaissance);
- Tax Parcel ID No. T10 123 (owned by City of Toccoa);
- Tax Parcel ID No. T10 006 (residential);
- Tax Parcel ID No. T10 007 (residential);
- Tax Parcel ID No. T10 010 (residential);
- Tax Parcel ID No. T10 053 (residential);
- Tax Parcel ID No. T10 055 (residential);
- Tax Parcel ID No. T10 057 (residential);
- Tax Parcel ID No. T10 058 (residential);
- Tax Parcel ID No. T10 061 (residential).

The Environmental Covenant will place a restriction on the use or extraction of ground water beneath these properties for drinking water purposes. A copy of the covenant is provided in Appendix F. ERM and Coats have contacted all of the property owners of the above-listed parcels, and to date, have received verbal or written concurrence from all ten property owners (including the Subject Site owner and City of Toccoa) that they are amenable to an environmental covenant restricting the use of ground water for drinking purposes.

With respect to the following three properties that are located within the Site delineation boundary, the property owners have currently indicated that they are not amenable to an environmental covenant on their property.

- Tax Parcel ID No. T10 008 (residential);
- Tax Parcel ID No. T10 009 (residential);
- Tax Parcel ID No. T10 056 (residential).

A contact for the property owner of Tax Parcel ID No. T10 052 (residential) has not yet been identified. The property is unoccupied and may become subject to a tax lien. We will be requesting a meeting with GA EPD to discuss appropriate next steps.

10.0 COMPLIANCE WITH SITE-SPECIFIC CLEANUP STANDARDS

Site-specific cleanup standards were developed for TCE in the source area and each POD well as discussed in Section 6.0. The Site-specific cleanup standards are protective of downgradient points of exposure including surface water and a hypothetical drinking water well located 1,000 feet downgradient from the delineation boundary. The source area well, MW-22, is in compliance with the Site-specific cleanup standard of 550 µg/L for TCE. The POD well for ground water protection, MW-17, is in compliance with its Site-specific cleanup standard of 7 µg/L for TCE. The POD wells for surface water protection, MW-10 and MW-13, are in compliance with the Site-specific cleanup standard of 195 µg/L for TCE.

Site-specific cleanup standards were also developed for carbon tetrachloride. The TCE Site-specific cleanup standard for ground water protection (550 µg/L) was adopted for carbon tetrachloride as discussed in Section 7.1. For the protection of surface water, a conservative Site-specific cleanup standard of 61 µg/L was calculated (see Section 7.2). The highest concentration of carbon tetrachloride detected on-Site since investigation activities began in 2000 was 41 ug/L at MW-3. As such, ground water at the Site is also in compliance with the Site-specific cleanup standards for carbon tetrachloride. Based on the data presented in this report, it is concluded that the Site is in compliance with the requirements of the VRP Act. A certification statement to this effect is provided at the front of this VCSR.

11.0 SOURCES CITED

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Tables

Table 1
Monitoring Well Construction Details
Coats Doyle Street - Toccoa, GA
HSI Site No. 10630

Well/Stream Gauge	Aquifer	Ground Elevation (ft. NGVD)	TOC Elevation (ft NGVD)	Casing Stickup (ft AG)	Total Boring Depth (ft BG)	Total Well Depth (ft BG)	Well Casing Length (ft)	Well Screen Length (ft)	Well Screen Interval (ft. BG)	Screen Slot Size (in)	Well Casing/Screen Material	Well Casign Diameter (in)	Date Completed	Easting	Northing
MW- 1	Overburden	996.85	999.44	2.59	30.00	30	22.6	10	20-30	0.010	Schedule 40 PVC	2	2/2/00	8708.08530	10334.77901
MW- 2	Overburden	988.05	990.40	2.35	14.00	14	6.4	10	4-14	0.010	Schedule 40 PVC	2	2/2/00	8246.82945	9994.04790
MW- 3	Overburden	1032.18	1031.91	Flush Mount	58.00	58	48	10	48-58	0.010	Schedule 40 PVC	2	2/3/00	8792.99136	10112.96494
MW- 4	Overburden	1034.96	1034.71	Flush Mount	59.60	59.6	49.6	10	49.6-59.6	0.010	Schedule 40 PVC	2	2/3/00	8819.98870	10005.00725
MW- 5	Overburden	963.05	971.07	3.02	12.00	12	5	10	2-12	0.010	Schedule 40 PVC	2	3/1/00	8342.71453	10397.13438
MW- 6	Overburden	1028.83	1028.18	Flush Mount	48.00	48	38	10	38-48	0.010	Schedule 40 PVC	2	10/25/00	9037.55353	10260.99956
MW- 7	Overburden	1039.14	1038.70	Flush Mount	54.00	54	44	10	44-54	0.010	Schedule 40 PVC	2	10/30/00	8978.29337	9977.77517
MW-8	Overburden	1029.77	1029.28	Flush Mount	25.00	25	15	10	15-25	0.010	Schedule 40 PVC	2	10/31/00	8858.35805	10365.73256
MW- 9	Overburden	953.37	955.37	2.00	15.00	15	7	10	5-15	0.010	Schedule 40 PVC	2	10/24/00	8394.19363	10627.65222
MW-10	Overburden	951.86	953.83	1.97	16.00	16	10	10	6-16	0.010	Schedule 40 PVC	2	10/24/00	8475.19823	10716.98943
MW-11	Bedrock	1032.55	1032.23	Flush Mount	85.00	79.5	71	NA	Open Hole	NA	Schedule 40 PVC	4	10/27/00	8788.07879	10103.92163
MW-12	Overburden	1000.51	1002.24	1.73	27.00	25	19.2	10	15-25	0.010	Schedule 40 PVC	2	5/17/01	8196.26802	10086.11163
MW-13	Overburden	942.75	944.68	1.93	20.00	20	14.9	10	10-20	0.010	Schedule 40 PVC	2	5/16/01	8533.73336	11016.19115
MW-14	Overburden	930.27	930.19	Flush Mount	10.00	9	4	5	4-9	0.010	Schedule 40 PVC	1	11/15/01	8589.35100	11163.12662
MW-15	Overburden	997.39	999.34	1.95	58.50	58.5	50.5	10	48.5-58.5	0.010	Schedule 40 PVC	2	11/15/01	8669.14106	10681.17814
MW-16	Overburden	935.83	935.48	Flush Mount	27.00	25	15	10	15-25	0.010	Schedule 40 PVC	2	3/4/02	8908.78256	11524.86957
MW-17	Overburden	916.82	919.13	2.31	18.50	18.5	17.3	10	8.5-18.5	0.010	Schedule 40 PVC	2	3/4/02	8708.08565	11701.35867
MW-18	Overburden	1006.89	1009.68	2.79	64.50	64.50	56.79	10	54-64	0.010	Schedule 40 PVC	2	10/9/03	8883.14172	10882.95311
MW-19	Bedrock	950.76	953.95	3.19	55.40	55.40	47.19	NA	Open Hole	NA	Schedule 40 PVC	4	10/16/03	8470.54161	10725.84446
MW-20	Overburden	991.6	994.63	3.03	57.00	57.00	49.03	10	46-56	0.010	Schedule 40 PVC	2	10/16/03	8300.17683	11065.89749
MW-21	Overburden	997.42	1000.13	2.71	59.00	58.70	51.41	10.00	48.7 - 58.7	0.010	Schedule 40 PVC	2	10/21/11	8938.87860	10872.33083
MW-22	Overburden	989.26	991.86	2.60	42.00	41.70	34.30	10.00	31.7 - 41.7	0.010	Schedule 40 PVC	2	10/19/11	8652.28699	10598.11401
MW-23	Overburden	1000.26	1002.71	2.45	31.00	30.70	23.15	10.00	20.7 - 30.7	0.010	Schedule 40 PVC	2	10/20/11	8766.46467	10335.94958
MW-24	Overburden	960.09	962.93	2.84	35.00	35.00	27.70	10.00	24.7-34.7	0.010	Schedule 40 PVC	2	4/1/13	9060.16273	11059.56704
MW-25	Overburden	987.46	990.44	2.98	25.50	24.00	16.90	10.00	13.7-23.7	0.010	Schedule 40 PVC	2	5/2/13	9025.00333	10550.96741

Table 2
Ground Water Elevation Data
Coats Doyle Street - Toccoa, GA
HSI Site No. 10630

Well ID	Date	Reference Point Elevation (feet)	Depth to Water (feet)	Ground Water / Surface Water Elevation (feet)
MW- 1	16-Sep-13	999.44	23.12	976.32
MW- 1	1-Oct-12	999.44	26.01	973.43
MW- 1	12-Mar-12	999.44	26.05	973.39
MW- 1	17-Oct-11	999.44	26.00	973.44
MW- 2	17-Sep-13	990.40	6.48	983.92
MW- 2	1-Oct-12	990.40	7.60	982.80
MW- 2	12-Mar-12	990.40	7.33	983.07
MW- 2	17-Oct-11	990.40	NM	--
MW- 3	19-Sep-13	1031.91	49.76	982.15
MW- 3	1-Oct-12	1031.91	51.62	980.29
MW- 3	12-Mar-12	1031.91	51.76	980.15
MW- 3	17-Oct-11	1031.91	51.52	980.39
MW- 4	16-Sep-13	1034.71	47.81	986.90
MW- 4[1]	2-Oct-12	1034.71	50.70	984.01
MW- 4	12-Mar-12	1034.71	50.83	983.88
MW- 4	17-Oct-11	1034.71	50.56	984.15
MW- 5	16-Sep-13	971.07	8.58	962.49
MW- 5	1-Oct-12	971.07	NM	--
MW- 5	12-Mar-12	971.07	9.58	961.49
MW- 5	17-Oct-11	971.07	NM	--
MW- 6	19-Sep-13	1028.18	38.65	989.53
MW- 6	1-Oct-12	1028.18	NM	--
MW- 6	12-Mar-12	1028.18	42.30	985.88
MW- 6	17-Oct-11	1028.18	41.76	986.42
MW- 7	16-Sep-13	1038.70	44.25	994.45
MW- 7	1-Oct-12	1038.70	48.60	990.10
MW- 7	12-Mar-12	1038.70	48.73	989.97
MW- 7	17-Oct-11	1038.70	47.87	990.83
MW-8	16-Sep-13	1029.28	DRY	--
MW-8	1-Oct-12	1029.28	DRY	--
MW-8	12-Mar-12	1029.28	DRY	--
MW-8	17-Oct-11	1029.28	DRY	--
MW- 9	16-Sep-13	955.37	6.47	948.90
MW- 9	1-Oct-12	955.37	NM	--
MW- 9	12-Mar-12	955.37	6.60	948.77

Table 2
Ground Water Elevation Data
Coats Doyle Street - Toccoa, GA
HSI Site No. 10630

Well ID	Date	Reference Point Elevation (feet)	Depth to Water (feet)	Ground Water / Surface Water Elevation (feet)
MW- 9	17-Oct-11	955.37	6.82	948.55
MW-10	16-Sep-13	953.83	7.99	945.84
MW-10	1-Oct-12	953.83	9.30	944.53
MW-10	12-Mar-12	953.83	8.72	945.11
MW-10	17-Oct-11	953.83	9.19	944.64
MW-11	16-Sep-13	1032.23	45.13	987.10
MW-11	1-Oct-12	1032.23	40.91	991.32
MW-11	12-Mar-12	1032.23	48.21	984.02
MW-11	17-Oct-11	1032.23	47.73	984.50
MW-12	16-Sep-13	1002.24	17.18	985.06
MW-12	1-Oct-12	1002.24	20.74	981.50
MW-12	12-Mar-12	1002.24	20.23	982.01
MW-12	17-Oct-11	1002.24	NM	--
MW-13	16-Sep-13	944.68	11.38	933.30
MW-13	1-Oct-12	944.68	11.80	932.88
MW-13	12-Mar-12	944.68	11.46	933.22
MW-13	17-Oct-11	944.68	11.73	932.95
MW-14	16-Sep-13	930.19	5.19	925.00
MW-14	1-Oct-12	930.19	5.25	924.94
MW-14	12-Mar-12	930.19	5.07	925.12
MW-14	17-Oct-11	930.19	5.30	924.89
MW-15	16-Sep-13	999.34	46.58	952.76
MW-15	1-Oct-12	999.34	50.78	948.56
MW-15	12-Mar-12	999.34	49.95	949.39
MW-15	17-Oct-11	999.34	49.67	949.67
MW-16	16-Sep-13	935.48	16.43	919.05
MW-16	1-Oct-12	935.48	17.35	918.13
MW-16	12-Mar-12	935.48	16.71	918.77
MW-16	17-Oct-11	935.48	NM	--
MW-17	16-Sep-13	919.13	12.79	906.34
MW-17	1-Oct-12	919.13	12.68	906.45
MW-17	12-Mar-12	919.13	12.56	906.57
MW-17	17-Oct-11	919.13	NM	--
MW-18	16-Sep-13	1009.68	60.00	949.68
MW-18	1-Oct-12	1009.68	DRY	--

Table 2
Ground Water Elevation Data
Coats Doyle Street - Toccoa, GA
HSI Site No. 10630

Well ID	Date	Reference Point Elevation (feet)	Depth to Water (feet)	Ground Water / Surface Water Elevation (feet)
MW-18	12-Mar-12	1009.68	65.88	943.80
MW-18	17-Oct-11	1009.68	64.61	945.07
MW-19	16-Sep-13	953.95	9.52	944.43
MW-19	1-Oct-12	953.95	10.07	943.88
MW-19	12-Mar-12	953.95	9.73	944.22
MW-19	17-Oct-11	953.95	9.91	944.04
MW-20	16-Sep-13	994.63	48.61	946.02
MW-20	1-Oct-12	994.63	51.50	943.13
MW-20	12-Mar-12	994.63	50.33	944.30
MW-20	17-Oct-11	994.63	NM	--
MW-21	16-Sep-13	1000.13	49.12	951.01
MW-21	1-Oct-12	1000.13	57.70	942.43
MW-21	12-Mar-12	1000.13	57.13	943.00
MW-22	16-Sep-13	991.86	33.23	958.63
MW-22	1-Oct-12	991.86	38.12	953.74
MW-22	12-Mar-12	991.86	37.50	954.36
MW-23	16-Sep-13	1002.71	21.83	980.88
MW-23	1-Oct-12	1002.71	25.47	977.24
MW-23	12-Mar-12	1002.71	25.72	976.99
MW-24	16-Sep-13	962.93	23.42	939.51
MW-25	16-Sep-13	990.44	11.97	978.47

Notes: NM = Not Measured

[1] MW-4 water level collected on 10/1/12 believed to be erroneous; water level collected prior to sampling MW-4 on 10/2/12 reported.

Table 3
Ground Water Field Parameters - September 2013
Coats Doyle Street - Toccoa, GA
HSI Site No. 10630

Well ID	Sample Date	Temperature (°C)	Specific Conductance (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidty (NTU)
MW-1	9/18/2013	15.18	0.42	6.61	6.41	-7.4	3
MW-2	9/17/2013	17.19	0.091	2.12	5.34	133.7	0.68
MW-3[1]	9/18/2013	19.63	0.197	5.68	5.81	153.9	31.8
MW-4	9/18/2013	18.65	0.131	8.24	4.19	228.6	5.34
MW-5[1]	9/17/2013	15.71	0.06	4.32	4.85	19	21
MW-6	9/19/2013	18.40	0.074	7.14	4.97	197.1	8.62
MW-7[1]	9/19/2013	19.29	0.12	6.85	4.74	14.0	12
MW-9	9/17/2013	14.69	0.108	6.70	5.21	71	7
MW-10	9/18/2013	15.25	0.176	1.15	5.63	0.3	8
MW-11	9/18/2013	20.58	0.109	7.56	5.42	144.6	6.74
MW-12	9/17/2013	16.85	0.069	8.71	5.00	162.3	1.09
MW-13	9/18/2013	15.23	0.137	4.8	5.65	7	6
MW-14[1]	9/17/2013	15.56	0.144	1.82	6.05	-88	13
MW-15	9/18/2013	14.57	0.079	7.82	5.46	15	8
MW-16	9/17/2013	14.05	0.090	2.58	5.15	26	6
MW-17	9/17/2013	14.08	0.109	3.63	5.42	25.0	3.5
MW-18[1]	9/19/2013	16.30	0.113	8.35	5.72	0.8	123
MW-19	9/17/2013	17.91	0.196	4.12	7.58	111.9	0.75
MW-20[1]	9/19/2013	15.94	0.042	7.10	5.26	15	37
MW-21	9/18/2013	16.31	0.106	10.07	5.27	156.5	6.85
MW-22[1]	9/18/2013	14.09	0.126	8.80	5.59	17	11
MW-23	9/18/2013	16.53	0.165	6.27	5.73	-13	3
MW-24	9/17/2013	17.60	0.106	8.63	4.96	131.9	1.98
MW-25	9/17/2013	18.00	0.102	8.22	5.25	131.6	1.07

Notes:

NM = Not Measured

[1] Turbidity stabilized within 10%

Table 4
Ground Water Analytical Data
Former Coats & Clark Plant 1
HSI Site No. 10630

		VOCs (mg/L)						
Well[1]	Date Sampled	Carbon Disulfide	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
HSRA Type 1 RRS		**4.000**	**0.005**	**0.080**	**0.070**	**0.005**	**0.200**	**0.005**
MW-1	9/18/2013	< .01	< .005	< .005	< .005	< .005	< .005	**0.022**
MW-1	10/5/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.026**
MW-1	3/15/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.017**
MW-1	10/13/2011	< .01	< .005	< .005	< .005	< .005	< .005	**0.022**
MW-1	4/23/2010	< .01	< .005	< .005	< .005	< .005	< .005	**0.042**
MW- 1	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	**0.009**
MW- 1	10/3/2007	< .01	< .002	**0.018**	< .002	< .002	< .002	**0.020**
MW- 1	4/26/2007	< .01	< .005	< .005	< .005	< .005	< .005	**0.015**
MW- 1	10/4/2006	< .01	< .005	**0.007**	< .005	< .005	< .005	**0.025**
MW- 1	4/6/2006	< .01	< .005	**0.006**	< .005	< .005	< .005	**0.024**
MW- 1	7/1/2004	< .01	< .005	**0.007**	< .005	< .005	< .005	**0.032**
MW- 1	2/6/2003	< .1	< .005	< .005	< .005	< .005	< .005	**0.096**
MW- 1	4/24/2002	< .01	< .005	< .005	< .005	< .005	< .005	**0.053**
MW-111[2]	4/24/2002	< .01	< .005	< .005	< .005	< .005	< .005	**0.042**
MW-1	7/17/2001	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 1	1/23/2001	< .01	< .005	< .005	< .005	< .005	< .005	**0.084**
MW- 1	2/8/2000	< .01	< .005	< .005	< .005	< .005	< .005	**0.081**
MW-2	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 2	10/2/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 2	4/5/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 2	11/25/2003	< .01	< .002	< .002	< .002	< .002	< .002	< .002
MW- 2	4/22/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 2	1/24/2001	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 2	2/8/2000	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-3	9/18/2013	< .01	**0.038**	**0.052**	< .005	< .005	< .005	**0.028**
MW-3	10/3/2012	< .01	< .005	**0.066**	**0.007**	< .005	< .005	**0.013**
MW-3	3/15/2012	< .01	**0.015**	**0.024**	< .005	< .005	< .005	< .005
MW-3	10/13/2011	< .01	**0.033**	**0.042**	**0.006**	< .005	< .005	**0.010**
MW-3	4/21/2010	< .01	**0.033**	**0.055**	**0.006**	< .005	< .005	**0.037**
MW- 3	4/7/2008	< .01	**0.014**	**0.033**	< .005	< .005	< .005	**0.007**
MW- 3	10/3/2007	< .01	**0.027**	**0.045**	**0.005**	< .002	< .002	**0.011**
MW- 3	4/26/2007	< .01	**0.029**	**0.030**	< .005	< .005	< .005	**0.033**
MW- 3	10/4/2006	< .01	**0.022**	**0.039**	**0.005**	< .005	< .005	**0.007**
MW- 3	4/6/2006	< .01	**0.041**	**0.034**	**0.005**	< .005	< .005	**0.029**
MW- 3	7/1/2004	< .01	**0.033**	**0.081**	**0.008**	< .005	< .005	**0.039**
MW- 3	2/6/2003	< .1	**0.019**	**0.100**	**0.007**	< .005	< .005	**0.150**
MW- 3	4/22/2002	< .01	**0.011**	**0.059**	< .005	< .005	< .005	**0.030**
MW- 3	7/17/2001	< .01	**0.020**	**0.110**	**0.007**	< .005	< .005	**0.063**
MW- 3	1/23/2001	**0.015**	**0.013**	**0.060**	< .005	**0.034**	< .005	< .005
MW- 3	2/8/2000	< .01	**0.011**	**0.055**	< .005	< .005	< .005	**0.027**

Table 4
Ground Water Analytical Data
Former Coats & Clark Plant 1
HSI Site No. 10630

		VOCs (mg/L)						
Well[1]	Date Sampled	Carbon Disulfide	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
MW-4	9/18/2013	< .01	**0.005**	< .005	< .005	< .005	**0.007**	< .005
MW- 4	10/2/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-4	3/13/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-4	10/13/2011	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-4	4/21/2010	< .01	< .005	< .005	< .005	< .005	**0.009**	< .005
Dup-2	4/21/2010	< .01	< .005	< .005	< .005	< .005	**0.010**	< .005
MW- 4	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 4	10/3/2007	< .01	**0.002**	< .002	< .002	< .002	< .002	< .002
MW- 4	4/26/2007	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 4	10/4/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 4	4/6/2006	< .01	**0.007**	**0.005**	< .005	< .005	**0.013**	< .005
MW- 4	7/2/2004	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 4	4/22/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 4	1/23/2001	**0.024**	< .005	< .005	< .005	< .005	< .005	< .005
MW- 4	2/8/2000	< .01	< .005	< .005	< .005	< .005	**0.006**	< .005
MW-5	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 5	3/14/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 5	4/20/2010	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 5	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 5	4/25/2007	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 5	4/6/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 5	2/6/2003	< .1	< .005	< .005	< .005	< .005	< .005	< .005
MW- 5	4/23/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 5	7/17/2001	< .01	NA[3]	NA	NA	NA	NA	NA
MW- 5	1/24/2001	**0.012**	< .005	< .005	< .005	< .005	< .005	< .005
MW-6	9/19/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-6	3/13/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-6	10/12/2011	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-6	4/20/2010	< .01	< .005	< .005	< .005	< .005	< .005	< .005
Dup-1	4/20/2010	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 6	4/7/2008	< .01	< .005	**0.018**	< .005	< .005	< .005	< .005
MW- 6	4/26/2007	< .01	< .005	**0.028**	< .005	< .005	< .005	< .005
MW- 6	4/4/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 6	4/22/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 6	1/24/2001	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-7	9/19/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-7	10/3/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
Dup-1	10/3/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-7	3/13/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-7	10/12/2011	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-7	4/21/2010	< .01	< .005	< .005	< .005	< .005	< .005	< .005

Table 4
Ground Water Analytical Data
Former Coats & Clark Plant 1
HSI Site No. 10630

		VOCs (mg/L)						
Well[1]	Date Sampled	Carbon Disulfide	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
MW- 7	4/4/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 7	2/6/2003	< .1	< .005	< .005	< .005	< .005	< .005	< .005
MW- 7	4/22/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 7	7/17/2001	< .01	NA	NA	NA	NA	NA	NA
MW- 7	1/24/2001	**0.011**	< .005	< .005	< .005	< .005	< .005	< .005
MW-9	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-9	3/14/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-9	10/12/2011	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-9	4/20/2010	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 9	4/5/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 9	4/22/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 9	7/17/2001	< .01	NA	NA	NA	NA	NA	NA
MW- 9	1/24/2001	**0.031**	< .005	< .005	< .005	< .005	< .005	< .005
MW-10	9/18/2013	< .01	< .005	< .005	< .005	< .005	< .005	**0.030**
MW-10	10/2/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.027**
MW-10	3/13/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.130**
MW-10	10/12/2011	< .01	< .005	< .005	< .005	< .005	< .005	**0.140**
MW-10	4/20/2010	< .01	< .005	< .005	< .005	< .005	< .005	**0.018**
MW- 10	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	**0.081**
MW-10	10/3/2007	< .01	< .002	**0.002**	**0.003**	< .002	< .002	**0.170**
MW-10	4/25/2007	< .01	< .005	< .005	< .005	< .005	< .005	**0.140**
MW-10	10/4/2006	< .01	< .005	< .005	< .005	< .005	< .005	**0.240**
MW-10	4/5/2006	< .01	< .005	< .005	< .005	< .005	< .005	**0.130**
MW-10	2/6/2003	< .1	< .005	< .005	< .005	< .005	< .005	**0.021**
MW-10	4/22/2002	< .01	< .005	< .005	< .005	< .005	< .005	**0.018**
MW-10	7/17/2001	< .01	< .005	< .005	< .005	**0.005**	< .005	**0.022**
MW-10	1/24/2001	< .01	< .005	< .005	< .005	< .005	< .005	**0.040**
MW-11	9/18/2013	< .01	< .005	**0.014**	< .005	< .005	< .005	< .005
MW-11	10/3/2012	< .01	< .005	**0.011**	< .005	< .005	< .005	< .005
MW-11	3/15/2012	< .01	< .005	**0.011**	< .005	< .005	< .005	< .005
MW-11	10/13/2011	< .01	< .005	**0.006**	< .005	< .005	< .005	< .005
MW-11	4/21/2010	< .01	< .005	**0.020**	< .005	< .005	< .005	< .005
MW- 11	4/7/2008	< .01	< .005	**0.006**	< .005	< .005	< .005	< .005
MW-11	10/3/2007	< .01	< .002	**0.020**	< .002	< .002	< .002	< .002
MW-11	4/26/2007	< .01	< .005	**0.006**	< .005	< .005	< .005	< .005
MW-11	10/4/2006	< .01	< .005	**0.008**	< .005	< .005	< .005	< .005
MW-11	4/4/2006	< .01	< .005	**0.008**	< .005	< .005	< .005	< .005
MW-11	4/22/2002	< .01	< .005	**0.021**	< .005	< .005	< .005	< .005
MW-11	1/24/2001	< .01	< .005	**0.025**	< .005	< .005	< .005	< .005
MW-12	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-12	10/2/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005

Table 4
Ground Water Analytical Data
Former Coats & Clark Plant 1
HSI Site No. 10630

		VOCs (mg/L)						
Well[1]	Date Sampled	Carbon Disulfide	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
MW-12	4/5/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-13	9/18/2013	< .01	< .005	< .005	< .005	< .005	< .005	**0.052**
MW-13	10/3/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.028**
MW-13	3/13/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.028**
MW-13	10/12/2011	< .01	< .005	< .005	< .005	< .005	< .005	**0.029**
MW-13	4/20/2010	< .01	< .005	< .005	< .005	< .005	< .005	**0.037**
MW- 13	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	**0.037**
MW-13	10/3/2007	< .01	< .002	< .002	< .002	< .002	< .002	**0.045**
MW-13	4/25/2007	< .01	< .005	< .005	< .005	< .005	< .005	**0.046**
MW-13	10/4/2006	< .01	< .005	< .005	< .005	< .005	< .005	**0.072**
MW-13	4/5/2006	< .01	< .005	< .005	< .005	< .005	< .005	**0.110**
MW-13	7/2/2004	< .01	< .005	< .005	< .005	< .005	< .005	**0.064**
MW-13	2/6/2003	< .1	< .005	< .005	< .005	< .005	< .005	**0.078**
MW-13	4/23/2002	< .01	< .005	< .005	< .005	< .005	< .005	**0.056**
MW-13	7/17/2001	< .01	< .005	< .005	< .005	< .005	< .005	**0.078**
MW-14	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-14	10/3/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-14	3/14/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-14	4/21/2010	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 14	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-14	10/3/2007	< .01	< .002	< .002	< .002	< .002	< .002	**0.005**
MW-14	4/25/2007	< .01	< .005	< .005	< .005	< .005	< .005	**0.006**
MW-14	10/4/2006	< .01	< .005	< .005	< .005	< .005	< .005	**0.009**
MW-14	4/6/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-14	2/6/2003	< .1	< .005	< .005	< .005	< .005	< .005	**0.005**
MW-14	4/23/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-14	11/26/2001	< .01	< .005	< .005	< .005	< .005	< .005	**0.013**
MW-15	9/18/2013	< .01	< .005	< .005	< .005	< .005	< .005	**0.070**
MW-15	10/4/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.180**
MW-15	3/14/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.120**
MW-15	10/13/2011	< .01	< .005	< .005	< .005	< .005	< .005	**0.110**
MW-15	4/21/2010	< .01	< .005	< .005	< .005	< .005	< .005	**0.120**
MW- 15	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	**0.120**
MW-15	10/3/2007	< .01	< .002	< .002	< .002	< .002	< .002	**0.087**
MW-15	4/25/2007	< .01	< .005	< .005	< .005	< .005	< .005	**0.068**
MW-15	10/4/2006	< .01	< .005	< .005	< .005	< .005	< .005	**0.038**
MW-15	4/5/2006	< .01	< .005	< .005	< .005	< .005	< .005	**0.087**
MW-15	7/2/2004	< .01	< .005	< .005	< .005	< .005	< .005	**0.130**
MW-15	2/6/2003	< .1	< .005	< .005	< .005	< .005	< .005	**0.320**
MW-15	4/22/2002	< .01	< .005	< .005	< .005	< .005	< .005	**0.320**
MW-15	11/26/2001	< .01	< .005	< .005	< .005	< .005	< .005	**0.210**

Table 4
Ground Water Analytical Data
Former Coats & Clark Plant 1
HSI Site No. 10630

		VOCs (mg/L)						
Well[1]	Date Sampled	Carbon Disulfide	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
MW-16	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 16	10/5/2012	< .01	< .005	**0.014**	< .005	< .005	< .005	< .005
MW- 16	4/7/2008	< .01	< .005	**0.014**	< .005	< .005	< .005	< .005
MW-16	4/27/2007	< .01	< .005	**0.009**	< .005	< .005	< .005	< .005
MW-16	4/5/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-16	4/23/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-16	3/6/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-17	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 17	10/5/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 17	3/14/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 17	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-17	4/26/2007	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-17	4/5/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-17	4/23/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-17	3/6/2002	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-18	9/19/2013	< .01	< .005	< .005	< .005	< .005	< .005	**0.014**
MW-18	3/15/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.008**
MW-18	10/12/2011	< .01	< .005	< .005	< .005	< .005	< .005	**0.011**
MW-18	4/20/2010	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 18	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	**0.016**
MW-18	4/26/2007	< .01	< .005	< .005	< .005	< .005	< .005	**0.012**
MW-18	4/4/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-18	10/22/2003	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-19	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-19	10/2/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-19	3/14/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-19	10/12/2011	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-19	4/23/2010	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-19	4/5/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-19	10/21/2003	< .01	< .005	**0.018**	< .005	< .005	< .005	< .005
MW-20	9/19/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-20	10/5/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-20	4/18/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW- 20	4/7/2008	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-20	4/25/2007	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-20	4/6/2006	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-20	10/21/2003	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-21	9/18/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-21	12/20/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.023**
MW-21	10/4/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.023**
MW-21	3/15/2012	< .01	< .005	< .005	< .005	< .005	< .005	< .005

Table 4
Ground Water Analytical Data
Former Coats & Clark Plant 1
HSI Site No. 10630

		VOCs (mg/L)						
Well[1]	Date Sampled	Carbon Disulfide	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
MW-21	10/24/2011	< .01	< .005	< .005	< .005	< .005	< .005	**0.011**
MW-22	9/18/2013	< .01	< .005	**0.006**	< .005	< .005	< .005	**0.086**
MW-22	10/4/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.320**
MW-22	3/14/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.360**
MW-22	10/26/2011	< .01	< .005	< .005	< .005	< .005	< .005	**0.420**
MW-23	9/18/2013	< .01	< .005	< .005	< .005	< .005	< .005	**0.072**
MW-23	10/5/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.054**
Dup-2	10/5/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.049**
MW-23	3/15/2012	< .01	< .005	< .005	< .005	< .005	< .005	**0.033**
MW-23	10/26/2011	< .01	< .005	< .005	< .005	< .005	< .005	**0.006**
MW-24	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-24	5/2/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-25	9/17/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005
MW-25	5/2/2013	< .01	< .005	< .005	< .005	< .005	< .005	< .005

Notes:

1. Well MW-8 has been dry since it was installed in October 2000. MW-12 had not been sampled for VOCs prior to April 5, 2006.
2. MW-111 was a blind duplicate of MW-1.
3. Dup-1 and Dup-2 collected on 4/20-21/10 were duplicates of MW-6 and MW-4, respectively.
4. NA = Not Analyzed.
5. Highlighted Data Exceeds the HSRA Type 1 RRS. Type 1 RRS are not necessarily the cleanup standards for the site, but this highlighting is shown for informational purposes.

Table 5
Surface Water Analytical Data
Coats Doyle Street - Toccoa, GA
HSI Site No. 10630

	Well ID	Analysis Results (ug/L)							
		Carbon Disulfide	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene
Aug-11	SW-1	<10	<5	<5	<5	<5	<5	<5	<5
	SW-2	<10	<5	<5	<5	<5	<5	<5	<5
	SW-3	<10	<5	<5	<5	<5	<5	<5	**5.1**
	SW-4	<10	<5	<5	<5	<5	<5	<5	<5
	SW-5	<10	<5	<5	<5	<5	<5	<5	<5
Oct-11	SW-1	<10	<5	<5	<5	<5	<5	<5	<5
	SW-2	<10	<5	<5	<5	<5	<5	<5	<5
	SW-3	<10	<5	<5	<5	<5	<5	<5	<5
	SW-4	<10	<5	<5	<5	<5	<5	<5	<5
	SW-5	<10	<5	<5	<5	<5	<5	<5	<5
Feb-12	SW-1	<10	<5	<5	<5	<5	<5	<5	<5
	SW-2	<10	<5	<5	<5	<5	<5	<5	<5
	SW-3	<10	<5	<5	<5	<5	<5	<5	<5
	SW-4	<10	<5	<5	<5	<5	<5	**7.0**	<5
	SW-5	<10	<5	<5	<5	<5	<5	<5	<5
Apr-12	SW-1	<10	<5	<5	<5	<5	<5	<5	<5
	SW-2	<10	<5	<5	<5	<5	<5	<5	<5
	SW-3	<10	<5	<5	<5	<5	<5	<5	<5
	SW-4	<10	<5	<5	<5	<5	<5	<5	<5
	SW-5	<10	<5	<5	<5	<5	<5	<5	<5
Oct-12	SW-1	NS	NS	NS	NS	NS	NS	NS	NS
	SW-2	<10	<5	<5	<5	<5	<5	**15.0**	<5
	SW-3	<10	<5	<5	<5	<5	<5	**5.7**	<5
	SW-4	<10	<5	<5	<5	<5	<5	<5	<5
	SW-5	<10	<5	<5	<5	<5	<5	<5	<5
Sep-13	SW-1	<10	<5	<5	<5	<5	<5	<5	<5
	SW-2	<10	<5	<5	<5	<5	<5	<5	<5
	SW-3	<10	<5	<5	<5	<5	<5	<5	<5
	SW-4	<10	<5	<5	<5	<5	<5	<5	<5
	SW-5	<10	<5	<5	<5	<5	<5	<5	<5

Notes:
Bold data indicates a value above the detection limit
NS = Not Sampled

Table 6 - Time Step Results
Coats and Clark Plant 1
Toccoa, Georgia

Protection of Groundwater Time Step Results

Simulation Time	TCE Concentration in mg/L										
	Distance from Source Area										
									POD		POE
	0	150	300	450	600	750	900	1050	1200	1350	1500
60	0.550	0.050	0.025	0.015	0.010	0.006	0.004	0.002	0.001	0.001	0.000
65	0.550	0.051	0.025	0.015	0.010	0.007	0.005	0.003	0.002	0.001	0.001
70	0.550	0.051	0.025	0.016	0.011	0.007	0.005	0.003	0.002	0.001	0.001
75	0.550	0.051	0.025	0.016	0.011	0.008	0.005	0.004	0.002	0.002	0.001
80	0.550	0.051	0.026	0.016	0.011	0.008	0.006	0.004	0.003	0.002	0.001
85	0.550	0.051	0.026	0.017	0.012	0.009	0.006	0.004	0.003	0.002	0.001
90	0.550	0.051	0.026	0.017	0.012	0.009	0.007	0.005	0.003	0.002	0.002
95	0.550	0.051	0.026	0.017	0.012	0.009	0.007	0.005	0.004	0.003	0.002
100	0.550	0.051	0.026	0.017	0.012	0.009	0.007	0.005	0.004	0.003	0.002
105	0.550	0.051	0.026	0.017	0.013	0.009	0.007	0.006	0.004	0.003	0.002
110	0.550	0.052	0.026	0.017	0.013	0.010	0.008	0.006	0.005	0.003	0.003
115	0.550	0.052	0.026	0.017	0.013	0.010	0.008	0.006	0.005	0.004	0.003
120	0.550	0.052	0.026	0.017	0.013	0.010	0.008	0.006	0.005	0.004	0.003
1000	0.550	0.052	0.027	0.018	0.014	0.011	0.009	0.008	0.007	0.006	0.005

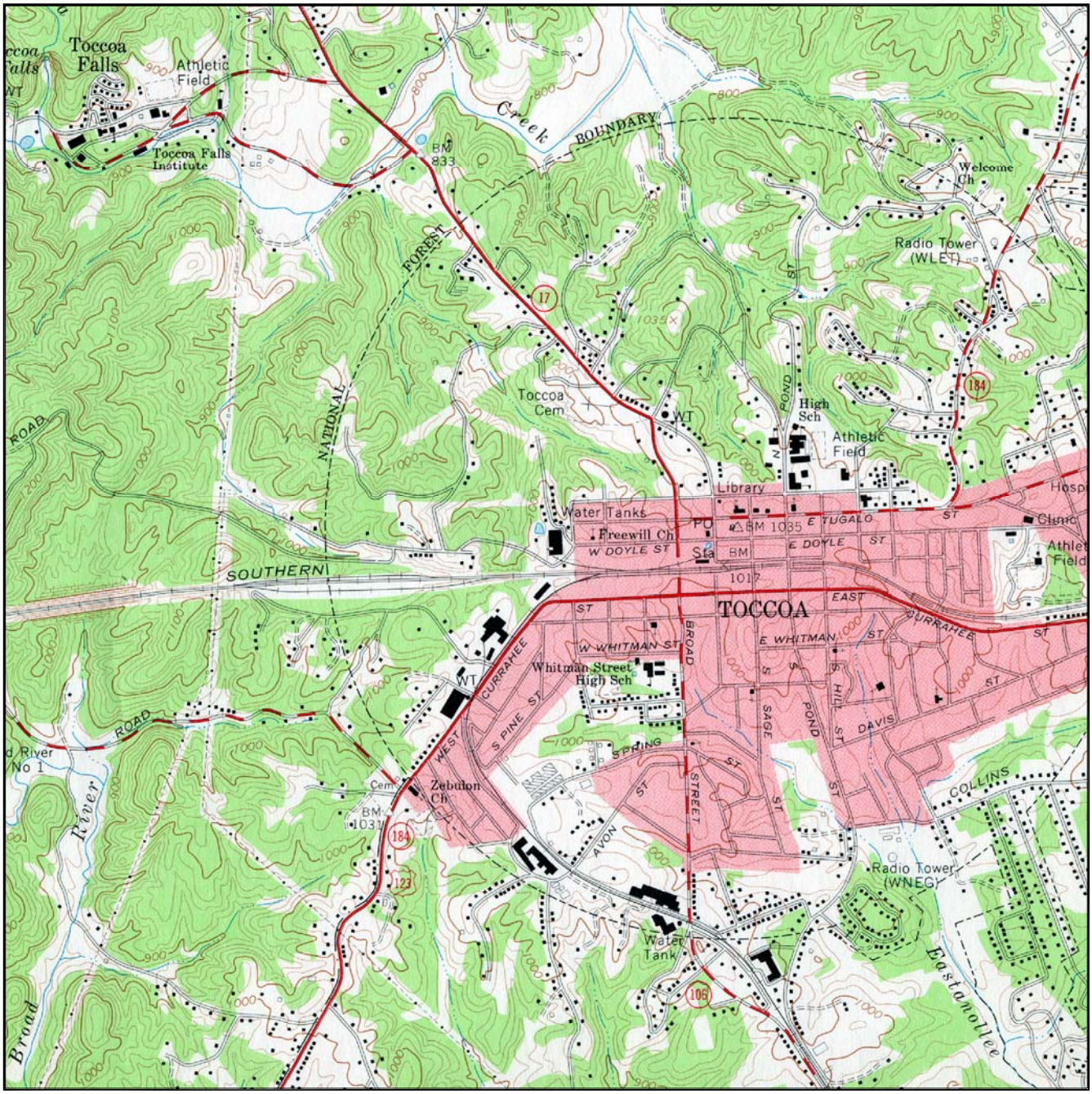
*Based on setting the source area concentration to the protection of groundwater source area standard of 550 ppb

Protection of Surface Water Time Step Results

Simulation Time	TCE Concentration in mg/L										
	Distance from Source Area										
											POD
	0	24	48	72	96	120	144	168	192	216	240
60	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.211	0.195
65	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
70	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
75	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
80	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
85	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
90	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
95	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
100	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
105	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
110	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
115	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
120	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
1000	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195

*Based on setting the source area concentration to the protection of surface water standard of 625

Figures



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE: TOCCOA, GA 1964

SCALE 1:24000

1 MILE 0 1/2 1

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

N

CONTOUR INTERVAL 10 FEET

DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

11/11/13 SPV REV

138388Site.DWG

ERM Environmental Resources Management

SITE LOCATION

VRP COMPLIANCE STATUS REPORT
COATS & CLARK PLANT 1
TOCCOA, GEORGIA

FIGURE
1

138388Site.DWG 11/11/13 SPV REV

LEGEND

- MW–1 SAPROLITE MONITORING WELL
- MW–19 BEDROCK MONITORING WELL
- SW–2 SURFACE WATER SAMPLE LOCATION
- PROPERTY LINE
- CREEK LINE (APPROXIMATE)

N

SCALE IN FEET
0 45 90 180

MW–17
MW–16
CITY OF TOCCOA PROPERTY
CITY OF TOCCOA PROPERTY
SW–5 MW–14
MW–20
MW–24
SW–4 MW–13
FORMER COATS PROPERTY
SW–3
FORMER COATS PROPERTY
MW–18 MW–21
CLARK ST
MW–19
SW–2 MW–10
FORMER COATS PROPERTY
MW–15
MW–9
MW–22
MW–25
SW–1
FORMER COATS PROPERTY
MW–5
MW–23 MW–8
MW–1
FORMER COATS BLDG. 5
MW–6
WEST DOYLE ST
FORMER COATS BLDG. 4
FORMER COATS PROPERTY
MW–12
MW–3
MW–11
FORMER COATS BLDG. 3
FORMER COATS BLDG. 1
MW–2
MW–4
MW–7
FORMER COATS PROPERTY
FORMER COATS BLDG. 2

ERM Environmental Resources Management	**SITE LAYOUT MAP** VRP COMPLIANCE STATUS REPORT COATS & CLARK PLANT 1 TOCCOA, GA	FIGURE **2**

138388Site.DWG 11/11/13 SPV REV IMAGE SOURCE: GOOGLE EARTH PRO

LEGEND

- MW–1 SAPROLITE MONITORING WELL
- MW–19 BEDROCK MONITORING WELL
- SW–2 SURFACE WATER SAMPLE LOCATION
- PROPERTY LINE
- CREEK LINE (APPROXIMATE)

N

SCALE IN FEET
0 45 90 180

Environmental Resources Management

SITE LAYOUT MAP (WITH AERIAL)

VRP COMPLIANCE STATUS REPORT
COATS & CLARK PLANT 1
TOCCOA, GA

FIGURE
3

138388Site.DWG 11/11/13 SPV REV

LEGEND

- MW–1 SAPROLITE MONITORING WELL
- MW–19 BEDROCK MONITORING WELL
- SW–2 SURFACE WATER SAMPLE LOCATION
- PROPERTY LINE
- CREEK LINE (APPROXIMATE)
- (2) POTENTIAL SOURCE AREA

POTENTIAL SOURCE AREA KEY

1) FORMER BURN PIT AREA AND SOLID WASTE DISPOSAL AREA
2) FORMER WASTEWATER POND
3) FORMER COAL PILE
4) FORMER FLAMMABLES STORAGE BUILDING
5) FORMER DEGREASING AREA
6) FORMER SPRAY MACHINES
7) FORMER CLEANING UNIT
8) FORMER CAUSTIC VAT
9) TRASH PILES

N

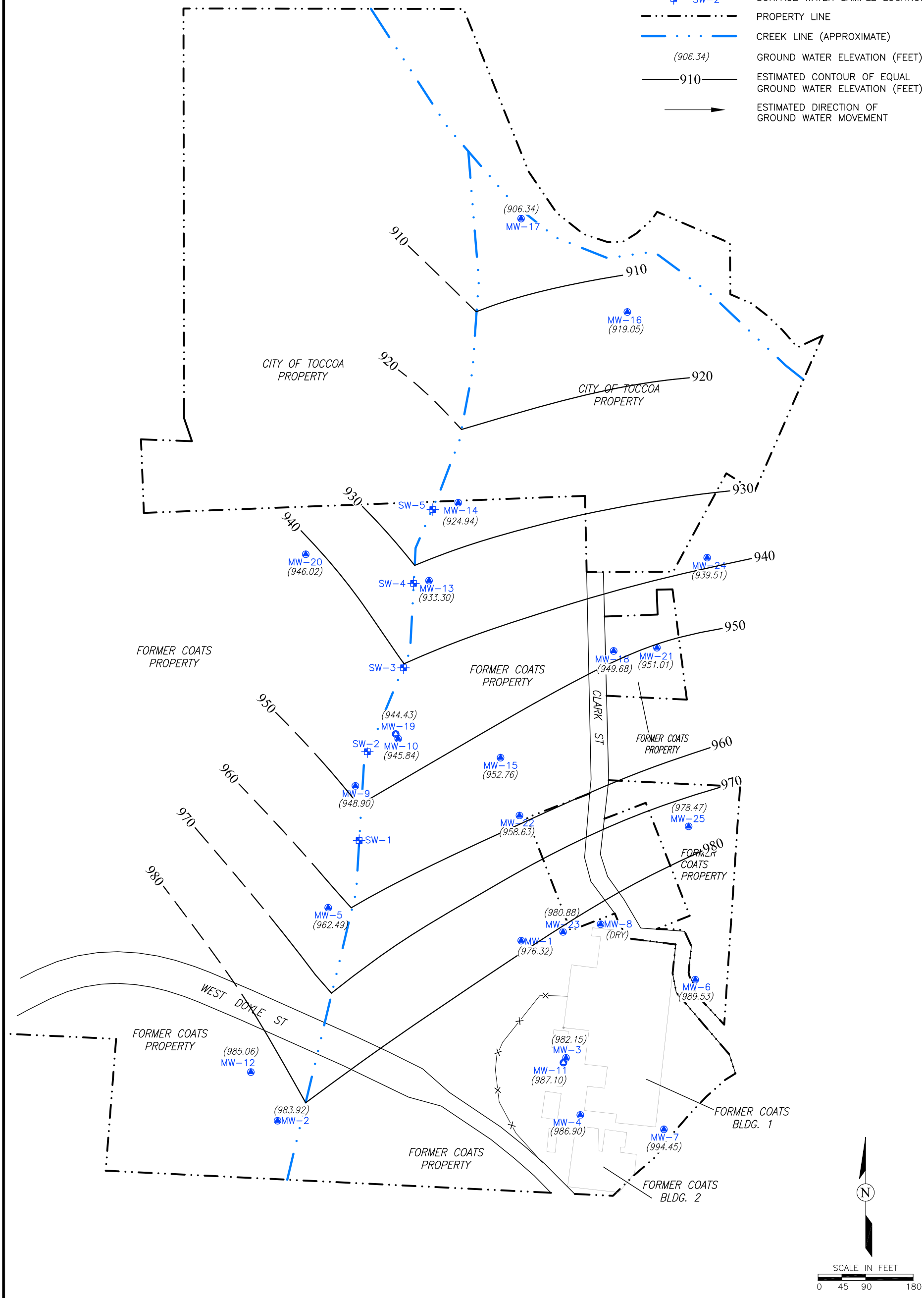
SCALE IN FEET
0 45 90 180

MW–17
MW–16
CITY OF TOCCOA PROPERTY
CITY OF TOCCOA PROPERTY
SW–5 MW–14
MW–20
SW–4 MW–13
MW–24
FORMER COATS PROPERTY
SW–3
FORMER COATS PROPERTY
MW–18 MW–21
CLARK ST
MW–19
SW–2 MW–10
FORMER COATS PROPERTY
MW–15
MW–9
MW–22
MW–25
SW–1
FORMER COATS PROPERTY
MW–5
MW–23 MW–8
MW–1
FORMER COATS BLDG. 5
MW–6
FORMER COATS BLDG. 4
MW–3
MW–11
FORMER COATS PROPERTY
MW–12
FORMER COATS BLDG. 3
FORMER COATS BLDG. 1
MW–2
MW–4
MW–7
FORMER COATS PROPERTY
FORMER COATS BLDG. 2
WEST DOYLE ST

ERM Environmental Resources Management	**POTENTIAL SOURCE AREAS** VRP COMPLIANCE STATUS REPORT COATS & CLARK PLANT 1 TOCCOA, GA	FIGURE **4**

LEGEND

- MW–1 — SAPROLITE MONITORING WELL
- MW–19 — BEDROCK MONITORING WELL
- SW–2 — SURFACE WATER SAMPLE LOCATION
- PROPERTY LINE
- CREEK LINE (APPROXIMATE)
- (906.34) — GROUND WATER ELEVATION (FEET)
- 910 — ESTIMATED CONTOUR OF EQUAL GROUND WATER ELEVATION (FEET)
- ESTIMATED DIRECTION OF GROUND WATER MOVEMENT



Environmental Resources Management

GROUND WATER POTENTIOMETRIC SURFACE MAP - SEPTEMBER 2013

VRP COMPLIANCE STATUS REPORT

COATS & CLARK PLANT 1
TOCCOA, GA

FIGURE
5

138388Site.DWG 11/11/13 SPV REV

LEGEND

- MW–1 — SAPROLITE MONITORING WELL
- MW–19 — BEDROCK MONITORING WELL
- SW–2 — SURFACE WATER SAMPLE LOCATION
- PROPERTY LINE
- CREEK LINE (APPROXIMATE)
- DELINEATION BOUNDARY
- (NS) — NOT SAMPLED

9/18/2013	
TCE	0.07

SAMPLE DATE; ANALYTE CONCENTRATION (mg/L); ANALYTE

NOTES

RESULTS ARE SHOWN IN mg/L

mg/L = MILLIGRAMS PER LITER

BDL = BELOW DETECTION LIMITS

TCE = TRICHLOROETHENE

VOCs = VOLATILE ORGANIC COMPOUNDS

cis–1,2–DCE = cis–1,2–DICHLOROETHENE

1,1,1–TCA = 1,1,1–TRICHLOROETHANE

N

SCALE IN FEET

0 45 90 180

MW–17 MW–16 MW–14 MW–20 MW–24 MW–13 MW–18 MW–21 MW–19 MW–10 MW–15 MW–9 MW–22 MW–25 MW–5 MW–23 MW–8 MW–1 MW–6 MW–3 MW–11 MW–12 MW–2 MW–4 MW–7

SW–5 SW–4 SW–3 SW–2 SW–1

CITY OF TOCCOA PROPERTY

CITY OF TOCCOA PROPERTY

FORMER COATS PROPERTY

FORMER COATS PROPERTY

FORMER COATS PROPERTY

FORMER COATS PROPERTY

FORMER COATS PROPERTY

FORMER COATS BLDG. 2

CLARK ST

WEST DOYLE ST

9/17/2013
ALL VOCs BDL

9/17/2013
ALL VOCs BDL

9/17/2013
ALL VOCs BDL

9/19/2013
ALL VOCs BDL

9/18/2013	
TCE	0.052

9/17/2013
ALL VOCs BDL

9/18/2013	
TCE	0.03

9/18/2013	
TCE	0.07

9/17/2013
ALL VOCs BDL

9/18/2013	
TCE	0.086
Chloroform	0.0062

9/17/2013
ALL VOCs BDL

9/18/2013	
TCE	0.022

9/17/2013
ALL VOCs BDL

9/17/2013
ALL VOCs BDL

9/18/2013	
Carbon Tetrachloride	0.038
Chloroform	0.052
TCE	0.028

9/19/2013
ALL VOCs BDL

9/17/2013
ALL VOCs BDL

9/17/2013
ALL VOCs BDL

9/18/2013
ALL VOCs BDL

9/19/2013	
TCE	0.014

9/17/2013
ALL VOCs BDL

9/17/2013
ALL VOCs BDL

9/18/2013	
TCE	0.072

9/19/2013
ALL VOCs BDL

9/18/2013	
Chloroform	0.014

9/18/2013	
Carbon Tetrachloride	0.0054
1,1,1-TCA	0.0073

9/19/2013
ALL VOCs BDL

ERM Environmental Resources Management

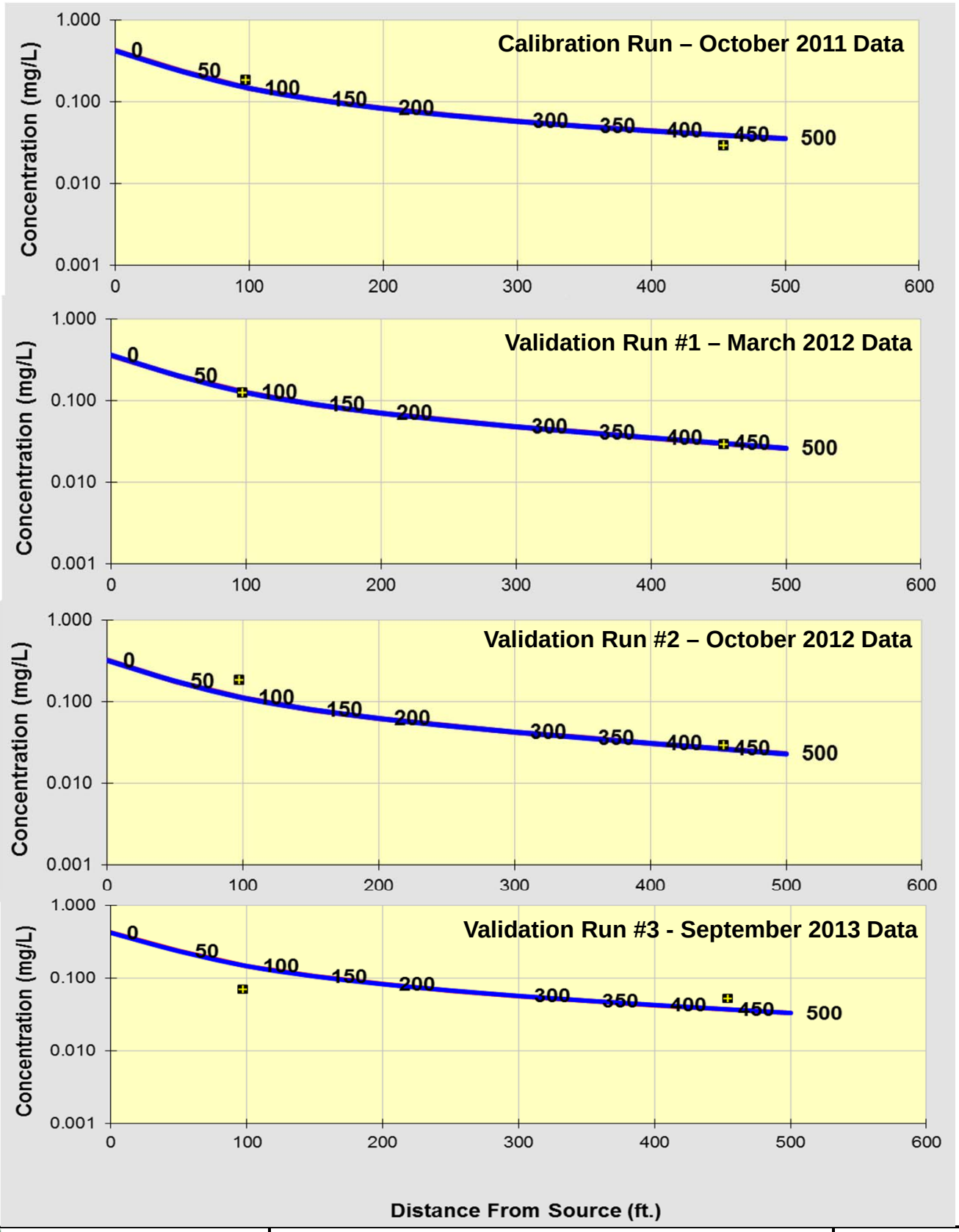
GROUND WATER AND SURFACE WATER QUALITY MAP - SEPTEMBER 2013

VRP COMPLIANCE STATUS REPORT

COATS & CLARK PLANT 1

TOCCOA, GA

FIGURE 6



Environmental Resources Management (ERM)	BIOCHLOR MODEL CALIBRATION DATA COATS & CLARK PLANT 1 TOCCOA, GEORGIA	Figure 7

138388Site.DWG 11/11/13 SPV REV 11/12/13

LEGEND

- MW–1 — SAPROLITE MONITORING WELL
- MW–19 — BEDROCK MONITORING WELL
- SW–2 — SURFACE WATER SAMPLE LOCATION
- CREEK LINE (APPROXIMATE)
- T10 123 — TAX PARCEL ID
- DELINEATION BOUNDARY

N

SCALE IN FEET
0 45 90 180

CITY OF TOCCOA PROPERTY
CITY OF TOCCOA PROPERTY
T10 123
MW–17
MW–16
SW–5
MW–14
MW–20
MW–24
SW–4
MW–13
T10 061
T10 055
T10 056
FORMER COATS PROPERTY
MW–18
MW–21
T10 005
T10 057
SW–3
FORMER COATS PROPERTY
CLARK ST
T10 053
T10 058
MW–19
SW–2
MW–10
FORMER COATS PROPERTY
MW–15
T10 052
T10 005
MW–9
T10 005
MW–22
T10 006
T10 010
MW–25
SW–1
FORMER COATS PROPERTY
T10 007
T10 009
T10 008
MW–5
MW–23
MW–8
MW–1
FORMER COATS BLDG. 5
MW–6
WEST DOYLE ST
FORMER COATS PROPERTY
FORMER COATS BLDG. 4
MW–3
MW–11
MW–12
FORMER COATS BLDG. 3
FORMER COATS BLDG. 1
MW–2
MW–4
MW–7
FORMER COATS PROPERTY
FORMER COATS BLDG. 2

ERM Environmental Resources Management

TAX PARCELS WITHIN DELINEATION BOUNDARY
VRP COMPLIANCE STATUS REPORT
COATS & CLARK PLANT 1
TOCCOA, GA

FIGURE
8

Appendix A
Summary of Hours for Professional Engineer

Appendix A
Summary of Hours for Professional Engineer
Coats Doyle Street - Toccoa, GA
HSI Site No. 10630

Month	Number of Hours Invoiced by Jennifer Byrd, P.E.	Activities Performed by Jennifer Byrd P.E. Since the Previous Submittal
May-13	0.0 hours	No hours invoiced
Jun-13	22.0 hours	Preparation for and meeting with GA EPD. Ground water modeling.
Jul-13	0.0 hours	No hours invoiced
Aug-13	0.0 hours	No hours invoiced
Sep-13	0.0 hours	No hours invoiced
Oct-13	4.0 hours	Ground water modeling.

Appendix B
Ground Water Sampling and Stream Flow Measurement Log Forms

ERM

WATER LEVEL MEASUREMENT DATA SHEET

Client: Coats, Toccoa, GA

Date: 16-Sep-13

Site/Location: Toccoa, GA

Sampler's Name: Ryan McJilton/Tommy Fisher

Well I.D.	Date	Time	Well Diameter (inches)	Depth to Water (Feet BTOC)	Total Depth (Feet BTOC)	Notes (Odor, dedicated pump present, note if lock/cap need replacement, etc)
MW-2	9/16			CNL		
MW-4		1410		47.01		
MW-5		1340		8.54		
MW-6	9/19/13	0900		~~CNL~~ 34	48.65	
MW-7		1425		44.25		
MW-8		1430		DRY		
MW-9		1355		6.47		
MW-11		1400	4"	45.13		
MW-12		1120	2"	17.14		
MW-14		1330		5.19		
MW-16		1235		16.43		
MW-17		1230		12.79		
MW-19		1350	4"	9.52		
MW-20		1325		44.61		
MW-21		1205		49.12		
MW-24		1130	2"	23.42		
MW-25		1140		11.97		
MW-3*		1405		49.76		
MW-18*		1215		60.00		
MW-1*		1305		23.12		Needs an L plug
MW-13*		1320		11.36		
MW-23*		1300		21.43		
MW-15*		1310		46.54		
MW-10*		1315		7.99		
MW-22*		1250		33.23		Needs lock

*Measure these water levels LAST...since there is a chance they may have residual permanganate (which could interfere with water level meter). Also make note in the log book if you see residual permanganate coloring (purple/pink) in any wells.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: SW-1 | Pump Type/Model: | Sample Collection Time: 0915

Total Depth (ft)[1]: | Tubing Material: | Sample Purge Rate (L/min)[3]:

Depth to Water (ft): | Pump Intake Depth (ft): | Sample ID: SW-1

Well Diameter (in): | Start/Stop Purge Time: | QA/QC Collected?

Well Volume (gal) = 0.041d²h: | Purge Rate (L/min)[2]: | QA/QC I.D.

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): | Laboratory Analyses:

Well Condition: | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: | ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0910	15.03	.120	13.06	7.72	-27.9				
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 136388 | Sampling Date: 9/17/2015

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: SW-2 | Pump Type/Model: | Sample Collection Time: 0940

Total Depth (ft)[1]: | Tubing Material: | Sample Purge Rate (L/min)[3]:

Depth to Water (ft): | Pump Intake Depth (ft): | Sample ID: SW-2

Well Diameter (in): | Start/Stop Purge Time: | QA/QC Collected?

Well Volume (gal) = 0.041d²h: | Purge Rate (L/min)[2]: | QA/QC I.D.

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): | Laboratory Analyses:

Well Condition:

Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0935	14.99	.122	11.30	6.64	16.1	–	–	–	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling," SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 136388 | Sampling Date: 9/17/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: SW-3 | Pump Type/Model: | Sample Collection Time: 1000

Total Depth (ft)[1]: | Tubing Material: | Sample Purge Rate (L/min)[3]:

Depth to Water (ft): | Pump Intake Depth (ft): | Sample ID: SW-3

Well Diameter (in): | Start/Stop Purge Time: | QA/QC Collected?

Well Volume (gal) = 0.041d²h: | Purge Rate (L/min)[2]: | QA/QC I.D.

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): | Laboratory Analyses:

Well Condition: | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: | ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0955	14.45	.117	9.53	6.97	4.4	—	—	—	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 136388 | Sampling Date: 7/17/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: SW-4 | Pump Type/Model: | Sample Collection Time: 1015

Total Depth (ft)[1]: | Tubing Material: | Sample Purge Rate (L/min)[3]:

Depth to Water (ft): | Pump Intake Depth (ft): | Sample ID:

Well Diameter (in): | Start/Stop Purge Time: | QA/QC Collected?

Well Volume (gal) = 0.041d²h: | Purge Rate (L/min)[2]: | QA/QC I.D.

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): | Laboratory Analyses:

Well Condition:

Purge Method:

Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1010	14.96	.114	9.59	6.70	18.3	-	-	-	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Coats | Project No.: 138388 | Sampling Date: 9/14/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: SW-5 | Pump Type/Model: | Sample Collection Time: 1305

Total Depth (ft)[4]: | Tubing Material: | Sample Purge Rate (L/min)[3]:

Depth to Water (ft): | Pump Intake Depth (ft): | Sample ID: SW-5

Well Diameter (in): | Start/Stop Purge Time: | QA/QC Collected? YES

Well Volume (gal) = 0.041d²h: | Purge Rate (L/min)[2]: | QA/QC I.D. DUP-03

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): | Laboratory Analyses: VOCs 8260

Well Condition: | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: | ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1300	14.89	.112	9.57	6.65	16.6	—	—	—	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[6]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/18/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-1 | Pump Type/Model: Peristaltic/Geopump | Sample Collection Time: 1005

Total Depth (ft)[1]: 30 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: Soda straw

Depth to Water (ft): 23.21 | Pump Intake Depth (ft): 28 | Sample ID: MW-1

Well Diameter (in): 2 | Start/Stop Purge Time: 934 | QA/QC Collected? None

Well Volume (gal) = 0.041d²h: 1.1 | Purge Rate (L/min)[2]: 100 mL/min | QA/QC I.D.

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): See below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: Low flow ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	15.45	0.417	–	6.39	4	50	0.5	23.23	
5	15.33	0.418	6.51	6.37	0.4	15	1.0	23.23	
10	15.61	0.420	6.51	6.42	-5.6	9	1.5	23.23	
15	15.40	0.421	6.28	6.45	-6.9	5	2.0	23.23	
20	15.24	0.420	6.45	6.41	-6.2	4	2.5	23.23	
25	15.18	0.420	6.61	6.41	-7.4	3	3.0	23.23	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 7/17/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-2 | Pump Type/Model: GEOPUMP (PERISTALTIC) | Sample Collection Time: 1400

Total Depth (ft)[1]: 14 (4-14) | Tubing Material: .17 X 1/4 TL-LDPE | Sample Purge Rate (L/min)[3]: .1L/MIN

Depth to Water (ft): 6.49 | Pump Intake Depth (ft): 14 | Sample ID: MW-2

Well Diameter (in): 2" | Start/Stop Purge Time: 1325/1355 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 1.26AL/4.76LITERS | Purge Rate (L/min)[2]: .1L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 3.0 | Laboratory Analyses: VOCs 8260

Well Condition: GOOD | Sampling Method (check all that apply): ☑ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: LOW FLOW/LOW VOLUME @ .1L/MIN ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1330	17.66	.094	10.00	5.74	100.0	2.40	.5	6.59	
1335	17.44	.092	4.45	5.29	131.5	3.76	1.0	6.60	
1340	17.29	.092	2.59	5.27	134.2	.49	1.5	6.60	
1345	17.22	.092	2.25	5.30	135.5	.96	2.0	6.60	
1350	17.21	.091	2.13	5.33	134.2	.76	2.5	6.61	
1355	17.19	.091	2.12	5.34	133.7	.64	3.0	6.61	
1400	PARAMETERS STABILIZED, SAMPLES COLLECTED								
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 136388 | Sampling Date: 9/12/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-3 | Pump Type/Model: BLADDER | Sample Collection Time: 1530

Total Depth (ft)[1]: 58 (48-58) | Tubing Material: .17x1/4 TL PE | Sample Purge Rate (L/min)[3]: .1L/MIN

Depth to Water (ft): 49.75 | Pump Intake Depth (ft): 55ft | Sample ID: MW-3

Well Diameter (in): 2" | Start/Stop Purge Time: 1420/1525 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 1.46L/5.2L/12DS | Purge Rate (L/min)[2]: .1L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 6.5L/12DS | Laboratory Analyses: VOCs 8260

Well Condition: GOOD | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: LOW FLOW/LOW VOLUME 0.1L/MIN ☒ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1425	21.26	.216	9.09	5.90	154.5	67.0	.5	49.81	
1430	20.91	.219	8.56	5.81	154.4	86	1.0	49.81	
1435	19.87	.214	6.98	5.63	171.5	59.9	1.5	49.84	
1440	19.84	.214	6.44	5.70	134.2	57.2	2.0	49.84	
1445	19.85	.207	6.22	5.77	157.9	34.9	2.5	49.84	
1450	19.96	.201	6.09	5.79	156.5	30.4	3.0	49.84	
1455	19.89	.196	5.79	5.80	153.2	27.6	3.5	49.84	
1500	20.26	.194	5.67	5.86	150.9	27.7	4.0	49.84	
1505	20.46	.192	5.59	5.94	142.6	28.9	4.5	49.84	
1510	20.16	.193	5.71	5.90	146.9	30.6	5.0	49.84	
1515	19.95	.195	5.76	5.88	150.1	31.7	5.5	49.84	
1520	19.71	.197	5.76	5.84	153.4	32.9	6.0	49.84	
1525	19.63	.197	5.64	5.81	153.9	318	6.5	49.84	
1530	PARAMETERS	STABILIZED		(TURBIDITY	IS	ABOVE			
		10 NTUs,	BUT	WITHIN	(10%)				
		SAMPLES	COLLECTED.						
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/13/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-4 | Pump Type/Model: BLADDER | Sample Collection Time: 1135

Total Depth (ft)[1]: 59.6 (44.6-59.4) | Tubing Material: .17X1/4 TL-LDPE | Sample Purge Rate (L/min)[3]: .1L/MIN

Depth to Water (ft): 47.95 | Pump Intake Depth (ft): 54.6 | Sample ID: MW-4

Well Diameter (in): 2" | Start/Stop Purge Time: 1045/1130 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 1.96AL/7.3LITERS | Purge Rate (L/min)[2]: .1L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 4.5 LITERS | Laboratory Analyses: VOCs 8260

Well Condition: GOOD | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: LOW FLOW/LOW VOLUME @.1L/MIN | ☑ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1050	19.13	.125	9.02	4.19	211.1	104	.5	47.95	
1055	19.00	.125	8.93	4.14	212.1	89.4	1.0	47.95	
1100	18.77	.126	8.77	4.14	220.2	52.2	1.5	47.95	
1105	18.64	.127	8.63	4.13	223.7	25.4	2.0	47.95	
1110	18.58	.128	8.56	4.16	223.9	14.6	2.5	47.99	
1115	18.52	.129	8.57	4.17	224.3	12.4	3.0	47.95	
1120	18.59	.130	8.32	4.19	226.8	9.62	3.5	47.94	
1125	18.61	.130	8.29	4.19	227.2	6.54	4.0	47.94	
1130	18.65	.131	8.24	4.19	228.6	5.39	4.5	47.94	
1135	PARAMETERS	ARE	STABILIZED,		SAMPLES	COLLECTED			
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-5 | Pump Type/Model: Peristaltic/Geopump | Sample Collection Time: 1530

Total Depth (ft)[1]: 12 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: Soda straw

Depth to Water (ft): 8.62 | Pump Intake Depth (ft): 11 | Sample ID: MW-5

Well Diameter (in): 2 | Start/Stop Purge Time: 1445 | QA/QC Collected? None

Well Volume (gal) = 0.041d²h: 0.5 | Purge Rate (L/min)[2]: 100 mL/min | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): [X] soda straw (VOCs) [ ] vacuum jug (SVOCs) [ ] pump head discharge (Inorganics including cyanide)

Purge Method: Low flow | [ ] Bladder pump = pump discharge (all analytes) [ ] Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	15.66	0.139	—	5.68	-46	43	0.5	8.69	anaerobic odor, water seems
5	15.52	0.112	4.37	5.64	-36	17	1.0	8.68	to be attracting flies.
10	15.63	0.088	4.15	5.37	-19	21	1.5	8.68	
15	15.74	0.077	4.17	5.19	12	29	2.0	8.68	
20	15.81	0.070	4.17	5.10	14	31	2.5	8.68	
25	15.81	0.066	4.17	4.93	22	27	3.0	8.68	
30	15.81	0.061	4.23	4.91	20	23	3.5	8.68	
35	15.79	0.061	4.24	4.88	18	22	4.0	8.68	
40	15.71	0.060	4.32	4.85	19	21	4.5	8.68	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 7/19/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-6 | Pump Type/Model: BLADDER | Sample Collection Time: 1025

Total Depth (ft)[1]: 44 (34-44) | Tubing Material: 1/4" TL-LDPE | Sample Purge Rate (L/min)[3]: .1L/MIN

Depth to Water (ft): 38.69 | Pump Intake Depth (ft): 43ft | Sample ID: MW-6

Well Diameter (in): 2" | Start/Stop Purge Time: 0910/1020 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 1.5 GAL/6 LITERS | Purge Rate (L/min)[2]: .1L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 7.0 LITERS | Laboratory Analyses: VOCs 8260

Well Condition: GOOD | Sampling Method (check all that apply): ☒ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: LOW FLOW/LOW VOLUME @.1L/MIN ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0915	17.51	.076	7.42	5.23	179.6	76.1	.5	38.58	
0920	17.65	.078	7.26	5.23	181.4	80.4	1.0	38.58	
0925	17.86	.075	8.69	5.21	183.7	78.5	1.5	38.58	
0930	17.90	.073	8.35	4.97	188.2	141	2.0	38.58	
0935	17.89	.074	8.01	4.96	188.7	82.7	2.5	38.58	
0940	17.97	.074	7.79	4.94	188.6	54.4	3.0	38.58	
0945	18.04	.074	7.65	4.99	189.4	42.1	3.5	38.58	
0950	18.09	.075	7.58	4.99	190.6	38.9	4.0	38.58	
0955	18.17	.075	7.46	4.99	191.1	30.7	4.5	38.58	
1000	18.23	.075	7.37	4.99	191.4	22.8	5.0	38.58	
1005	18.30	.075	7.25	4.98	193.6	15.5	5.5	38.58	
1010	18.31	.074	7.40	4.97	194.0	11.5	6.0	38.58	
1015	18.38	.074	7.16	4.97	195.6	9.31	6.5	38.58	
1020	18.40	.074	7.14	4.97	197.1	8.62	7.0	38.58	
1025	PARAMETERS	STABILIZED,	SAMPLES	COLLECTED					
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or ≤10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 136388 | Sampling Date: 9/19/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-7 | Pump Type/Model: Bladder/QED | Sample Collection Time: 1120

Total Depth (ft)[1]: 54 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: 100 mL/min

Depth to Water (ft): 44.27 | Pump Intake Depth (ft): 49 | Sample ID: MW-7

Well Diameter (in): 2 | Start/Stop Purge Time: 1025 | QA/QC Collected? Yes

Well Volume (gal) = 0.041d²h: 1.6 | Purge Rate (L/min)[2]: 100 mL/min | QA/QC I.D. Dup-02

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: Low Flow | ☒ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	20.97	0.123	7.65	5.12	-8	220	0.5	44.32	
5	19.90	0.123	7.10	4.90	3	200	1.0	44.33	
10	19.64	0.122	7.04	4.79	7	133	1.5	44.34	
15	19.45	0.123	6.96	4.75	11	78	2.0	44.35	
20	19.40	0.123	6.97	4.73	12	33	2.5	44.35	
25	19.28	0.123	6.98	4.72	13	14	3.0	44.35	
30	19.29	0.121	6.89	4.74	14	13	3.5	44.36	
35	19.29	0.120	6.85	4.74	14	12	4.0	44.36	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-9 | Pump Type/Model: Peristaltic/Geopump | Sample Collection Time: 1430

Total Depth (ft)[1]: 15 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: soda straw

Depth to Water (ft): 6.46 | Pump Intake Depth (ft): 13 | Sample ID: MW-9

Well Diameter (in): 2 | Start/Stop Purge Time: 1405 | QA/QC Collected? None

Well Volume (gal) = 0.041d²h: 1.3 | Purge Rate (L/min)[2]: 100 mL/min | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☒ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: Low Flow | ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	14.93	0.112	—	5.53	60	28	0.5	6.49	Sample clear/
5	15.07	0.112	7.14	5.38	73	20	1.0	6.49	
10	14.91	0.111	6.93	5.23	79	13	1.5	6.50	
15	14.79	0.110	6.84	5.17	79	8	2.0	6.50	
20	14.72	0.108	6.71	5.19	74	8	2.5	6.51	
25	14.69	0.108	6.70	5.21	71	7	3.0	6.51	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Coats | Project No.: 138388 | Sampling Date: 9/18/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-10 | Pump Type/Model: Peristaltic / Geopump | Sample Collection Time: 910

Total Depth (ft)[1]: 16 | Tubing Material: Teflon | Sample Purge Rate (L/min)[2]: Soda Straw

Depth to Water (ft): 8.00 | Pump Intake Depth (ft): 14 | Sample ID: MW-10

Well Diameter (in): 2 | Start/Stop Purge Time: 835/ | QA/QC Collected? None

Well Volume (gal) = 0.041d²h: 1.3 | Purge Rate (L/min)[2]: 100 mL/min | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☒ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: Low Flow ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	15.32	0.190	—	6.07	-32	43	0.5	8.16	
5	15.14	0.187	2.63	5.78	-2	31	1.0	8.15	
10	15.08	0.186	1.55	5.70	-7	28	1.5	8.15	
15	15.05	0.183	1.30	5.63	2	13	2.0	8.15	
20	15.14	0.180	1.32	5.57	-4	9	2.5	8.15	
25	15.18	0.178	1.18	5.58	-4	8	3.0	8.15	
30	15.25	0.176	1.15	5.63	0.3	8	3.5	8.15	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 4/14/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-11 | Pump Type/Model: BLADDER | Sample Collection Time: 1350

Total Depth (ft)[1]: 79.5 OPEN HOLE | Tubing Material: 1/4" TEFLON LINED POLY | Sample Purge Rate (L/min)[3]: .1 L/MIN

Depth to Water (ft): 45.15 | Pump Intake Depth (ft): 75ft | Sample ID: MW-11

Well Diameter (in): 4" | Start/Stop Purge Time: 1300 / 1345 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 23 GAL / 85 LITERS | Purge Rate (L/min)[2]: .1 L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 4.5 | Laboratory Analyses: VOCs

Well Condition: Good | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: LOW FLOW / LOW VOLUME 0.1 L/MIN ☑ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1305	20.44	.109	10.12	5.19	149.4	64.4	.5	45.14	
1310	20.43	.109	9.39	5.14	152.7	41.1	1.0	45.13	
1315	20.74	.109	9.26	5.14	153.3	31.9	1.5	45.14	
1320	19.91	.108	9.18	5.12	166.4	25.2	2.0	45.14	
1325	19.89	.109	7.91	5.20	161.4	19.7	2.5	45.13	
1330	19.91	.109	7.90	5.23	160.3	13.6	3.0	45.13	
1335	20.24	.109	7.95	5.34	153.5	9.78	3.5	45.13	
1340	20.56	.109	7.61	5.41	150.6	8.02	4.0	45.13	
1345	20.58	.109	7.56	5.42	144.6	6.74	4.5	45.13	
1350	PARAMETERS	STABILIZED,	SAMPLES	COLLECTED					
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-12 | Pump Type/Model: GEOPUMP (PERISTALTIC) | Sample Collection Time: 1450

Total Depth (ft)[1]: 25 (15-25) | Tubing Material: .17x1/4 TL-LDPE | Sample Purge Rate (L/min)[3]: .1 L/MIN

Depth to Water (ft): 17.14 | Pump Intake Depth (ft): 21ft | Sample ID: MW-12

Well Diameter (in): 2" | Start/Stop Purge Time: 1415/1445 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 1.36gal/5 LITERS | Purge Rate (L/min)[2]: .1L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 3 LITERS | Laboratory Analyses: VOCs 8260

Well Condition: GOOD | Sampling Method (check all that apply): ☑ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: LOW FLOW/LOW VOLUME @ .1 L/MIN | ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1420	17.41	.067	11.23	5.44	135.1	~~17.21~~	.5	17.21	
1425	17.05	.069	9.20	5.02	159.7	1.13	1.0	17.21	
1430	17.01	.069	8.95	4.97	163.7	1.04	1.5	17.21	
1435	16.91	.069	8.62	5.03	160.7	1.14	2.0	17.21	
1440	16.84	.069	8.74	5.01	162.1	1.26	2.5	17.21	
1445	16.85	.069	8.71	5.00	162.3	1.09	3.0	17.21	
1450	PARAMETERS	STABILIZED,	SAMPLES	COLLECTED					
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Coats | Project No.: 138388 | Sampling Date: 9/18/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-13 | Pump Type/Model: Peristaltic / Geopump | Sample Collection Time: 1200

Total Depth (ft)[1]: 20 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: Soda straw

Depth to Water (ft): 11.42 | Pump Intake Depth (ft): ~~FF5~~ 16 | Sample ID: MW-13

Well Diameter (in): 2 | Start/Stop Purge Time: 1115 | QA/QC Collected? None

Well Volume (gal) = 0.041d²h: 1.3 | Purge Rate (L/min)[2]: 100 mL/min | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☒ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: Low Flow ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	15.37	0.137	6.41	5.88	-8	23	0.5	11.45	
5	15.40	0.137	5.34	5.62	5	12	1.0	11.44	
10	15.39	0.136	4.89	5.58	8	9	1.5	11.44	
15	15.35	0.136	5.21	5.62	7	8	2.0	11.44	
20	15.35	0.137	4.81	5.64	7	8	2.5	11.44	
25	15.23	0.137	4.80	5.65	~~6~~ 7	6	3.0	11.44	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-14 | Pump Type/Model: Peristaltic/Geopump | Sample Collection Time: 1355

Total Depth (ft)[1]: 9 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: soda straw

Depth to Water (ft): 5.20 | Pump Intake Depth (ft): 8.5 | Sample ID: MW-14

Well Diameter (in): 1 | Start/Stop Purge Time: 1325 | QA/QC Collected? None

Well Volume (gal) = 0.041d²h: | Purge Rate (L/min)[2]: 100 mL/min | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☒ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: Low Flow ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	15.48	0.150	2.84	6.11	-98	23	0.5	—	can not gauge DTW because
5	15.47	0.144	2.18	6.08	-96	20	1.0	—	water level probe will not
10	15.51	0.144	1.90	6.07	-94	17	1.5	—	fit along w/ tubing in the
15	15.52	0.144	1.84	6.06	-93	15	2.0	—	well.
20	15.54	0.144	1.84	6.05	-91	14	2.5	—	
25	15.56	0.144	1.82	6.05	-88	13	3.0	—	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Coats | Project No.: 136388 | Sampling Date: 9/18/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-15 | Pump Type/Model: Bladder/QED | Sample Collection Time: 1520

Total Depth (ft)[1]: 58.5 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: 100 mL/min

Depth to Water (ft): 46.58 | Pump Intake Depth (ft): 54 | Sample ID: MW-15

Well Diameter (in): 2 | Start/Stop Purge Time: 1440 | QA/QC Collected? —

Well Volume (gal) = 0.041d²h: 1.0 | Purge Rate (L/min)[2]: 100 mL/min | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: Low flow | ☒ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	15.12	0.075	7.80	5.42	13	15	0.5	46.79	
5	14.96	0.077	7.77	5.45	13	9	1.0	46.80	
10	14.76	0.079	7.84	5.47	13	8	1.5	46.82	
15	14.65	0.079	7.89	5.47	14	8	2.0	46.83	slowed bladder pump discharge slightly
20	14.59	0.080	7.80	5.47	14	7	2.5	46.78	
25	14.57	0.079	7.82	5.46	15	8	3.0	46.76	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-16 | Pump Type/Model: Peristaltic/Geopump | Sample Collection Time: 1300

Total Depth (ft)[1]: 27 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: soda straw

Depth to Water (ft): 16.45 | Pump Intake Depth (ft): 21 | Sample ID: MW-16

Well Diameter (in): 2 | Start/Stop Purge Time: 1225/ | QA/QC Collected? None

Well Volume (gal) = 0.041d²h: 1.7 | Purge Rate (L/min)[2]: 100 | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☒ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: Low Flow | ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	14.75	0.091	3.79	5.18	22	26	0.5	16.55	
5	14.39	0.090	3.01	5.19	16	15	1.0	16.57	
10	14.12	0.089	2.78	5.15	19	10	1.5	16.58	
15	14.02	0.089	2.80	5.10	22	8	2.0	16.59	
20	13.99	0.089	2.61	5.09	26	6	2.5	16.59	
25	14.05	0.090	2.58	5.15	26	6	3.0	16.60	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-17 | Pump Type/Model: Peristaltic/Geopump | Sample Collection Time: 1205

Total Depth (ft)[1]: 18.5 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: soda straw method

Depth to Water (ft): 12.79 | Pump Intake Depth (ft): 15 | Sample ID: MW-17

Well Diameter (in): 2 | Start/Stop Purge Time: 1110/1205 | QA/QC Collected? No

Well Volume (gal) = 0.041d²h: 0.9 | Purge Rate (L/min)[2]: 500 mL/min ⇒ 100 mL/min | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☒ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: Low flow | ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	14.09	0.108	—	5.76	21	3.5	0.5	13.33	slow recharge/started pumping to fast,
8min	13.85	0.108	3.52	5.26	38	3.2	4.0	13.35	500 mL/min 1 vol.
16min	13.91	0.106	3.69	5.30	32	2.9	5.0	13.75	500 mL/min 2 vol
24	13.99	0.108	3.50	5.39	29	3.3	12.0	13.88	500mL/min 3 vol
29	14.04	0.108	3.53	5.46	28	3.4	12.5	13.88	Low flow. ⇒ 100 mL/min
34	14.09	0.109	3.80	5.43	26	3.2	13.0	13.90	
39	14.08	0.109	3.63	5.42	25	3.5	13.5	13.91	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[6]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/09/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-18 | Pump Type/Model: Bladder/QED | Sample Collection Time: 1600

Total Depth (ft)[1]: 64.50 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: 100 ml/min

Depth to Water (ft): 60.03 | Pump Intake Depth (ft): 63 | Sample ID: MW-18

Well Diameter (in): 2 | Start/Stop Purge Time: 925 | QA/QC Collected? —

Well Volume (gal) = 0.041d²h: 0.7 | Purge Rate (L/min)[2]: 100 ml/min | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: Low Flow | ☒ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	16.25	0.125	—	5.66	-15	123	0.5	60.05	
5	16.04	0.116	8.95	5.64	-10	120	1.0	60.05	
10	15.99	0.114	8.70	5.63	-3	119	1.5	60.05	
15	16.17	0.112	8.46	5.64	0.1	125	2.0	60.05	
20	16.14	0.113	8.40	5.67	1.0	128	2.5	60.05	
25	16.30	0.113	8.35	5.72	0.8	123	3.0	60.05	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-19 | Pump Type/Model: GEO PUMP BLADDER | Sample Collection Time: 1545

Total Depth (ft)[1]: 55.40 (OPEN HOLE) | Tubing Material: 3/8"/4 TZ-LDPE | Sample Purge Rate (L/min)[3]: ~1 L/MIN

Depth to Water (ft): 9.54 | Pump Intake Depth (ft): 50 FT | Sample ID: MW-19

Well Diameter (in): 4" | Start/Stop Purge Time: 1510 / 1540 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 30 GAL / 114 LITERS | Purge Rate (L/min)[2]: ~1 L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 3.0 LITERS | Laboratory Analyses: VOCs 8260

Well Condition: GOOD | Sampling Method (check all that apply): ☑ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: LOW FLOW / LOW VOLUME @ ~1 L/MIN ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1515	14.73	.194	5.49	7.05	108.0	2.54	.5	9.62	
1520	19.33	.197	4.94	7.34	124.7	1.03	1.0	9.63	
1525	18.22	.197	4.71	7.40	122.2	1.05	1.5	9.63	
1530	18.05	.196	4.21	7.49	115.5	.64	2.0	9.64	
1535	17.45	.196	4.14	7.53	115.1	.30	2.5	9.64	
1540	17.41	.196	4.12	7.54	111.9	.75	3.0	9.64	
1545	PARAMETERS STABILIZED, SAMPLES COLLECTED.								
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/19/13

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-20 | Pump Type/Model: Bladder / QED | Sample Collection Time: 1250

Total Depth (ft)[1]: 57 (46-56) | Tubing Material: Teflon | Sample Purge Rate (L/min)[2]: .10

Depth to Water (ft): 48.65 | Pump Intake Depth (ft): 53 | Sample ID: MW-20

Well Diameter (in): 2 | Start/Stop Purge Time: 1155 | QA/QC Collected? -

Well Volume (gal) = 0.041d²h: 1.4GAL / 5.2 LITERS | Purge Rate (L/min)[2]: .10 | QA/QC I.D. -

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): see below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: Low Flow | ☒ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	17.45	0.047	8.49	5.87	-22	>999	0.5	48.67	>999 indicates "out of range"
5	16.28	0.044	7.75	5.24	12	>999	1.0	48.68	
10	15.93	0.043	7.57	5.02	24	>999	1.5	48.69	
15	15.82	0.043	7.52	5.10	22	>999	2.0	48.67	
20	15.79	0.042	7.42	5.16	22	>999	2.5	48.66	
25	15.75	0.042	7.38	5.23	18	>999	3.0	48.68	
30	15.82	0.042	7.36	5.27	15	80	3.5	48.69	
35	15.72	0.042	7.47	5.28	15	71	4.0	48.66	
40	15.81	0.041	7.42	5.26	15	38	4.5	48.67	
45	15.88	0.041	7.11	5.25	15	39	5.0	48.68	
50	15.94	0.042	7.10	5.26	15	37	5.5	48.67	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/13/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-21 | Pump Type/Model: BLADDER | Sample Collection Time: 0945

Total Depth (ft)[1]: 58.7 (45-54) | Tubing Material: 1/4" HL-LDPE | Sample Purge Rate (L/min)[3]: .1 L/MIN

Depth to Water (ft): 49.72 | Pump Intake Depth (ft): 52 FT | Sample ID: MW-21

Well Diameter (in): 2" | Start/Stop Purge Time: 0840/0940 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 1.64GAL/6 OZ | Purge Rate (L/min)[2]: .1 L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 10 LITERS | Laboratory Analyses: VOCs 8260

Well Condition: GOOD | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: LOW FLOW/LOW VOLUME | ☑ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0945	16.48	.110	11.72	5.06	123.7	OVR	.5	49.31	
0950	16.97	.109	11.39	5.42	125.5	795	1.0	49.31	
0955	17.17	.105	11.12	5.58	127.5	696	1.5	49.31	
1000	17.19	.104	11.05	5.54	129.0	617	2.0	49.31	
1005	16.62	.103	10.92	5.27	144.4	442	2.5	49.31	
1010	16.52	.104	10.54	5.17	152.0	144	3.0	49.31	
1015	16.25	.104	10.24	5.14	155.1	95.2	3.5	49.31	
1020	16.36	.107	10.08	5.21	154.5	68.5	4.0	49.31	
1025	16.36	.107	10.11	5.22	154.1	32.9	4.5	49.31	
1030	16.40	.107	10.06	5.23	154.7	10.09	5.0	49.31	
1035	16.37	.106	10.10	5.24	155.7	7.51	5.5	49.31	
1040	16.31	.106	10.09	5.27	156.5	6.45	6.0	49.31	
0945	PARAMETERS		STABILIZED,		SAMPLES	COLLECTED.			
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or ≤10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
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(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/18/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-22 | Pump Type/Model: Bladder/QED | Sample Collection Time: 1400

Total Depth (ft)[1]: 41.70 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: 100 mL/min

Depth to Water (ft): 33.23 | Pump Intake Depth (ft): 37 | Sample ID: MW-22

Well Diameter (in): 2 | Start/Stop Purge Time: 1320 | QA/QC Collected? —

Well Volume (gal) = 0.041d²h: 1.4 | Purge Rate (L/min)[2]: 100mL/min | QA/QC I.D. —

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): See below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☐ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: Low Flow | ☒ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	14.60	0.127	9.15	5.84	-8	73	0.5	33.12	Pump in well adjusted water
5	14.19	0.125	9.02	5.40	21	37	1.0	33.41	level wp.
10	14.19	0.125	9.03	5.44	22	22	1.5	33.35	YSI-556 - parameters
15	14.18	0.126	9.04	5.54	19	17	2.0	33.38	Hach 2100Q - turbidity
20	14.11	0.126	9.05	5.58	17	16	2.5	33.36	
25	14.12	0.126	8.88	5.60	17	12	3.0	33.35	
30	14.08	0.126	8.85	5.60	17	12	3.5	33.36	
35	14.09	0.126	8.80	5.59	17	11	4.0	33.35	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/18/13

Site/Location: Toccoa, GA | Sampler's Name: T. Fisher

Well ID: MW-23 | Pump Type/Model: Peristaltic/Geopump | Sample Collection Time: 1055

Total Depth (ft)[1]: 30 | Tubing Material: Teflon | Sample Purge Rate (L/min)[3]: Soda straw

Depth to Water (ft): 21.87 | Pump Intake Depth (ft): ~~20~~ 25 | Sample ID: MW-23

Well Diameter (in): 2 | Start/Stop Purge Time: 1015 | QA/QC Collected? Yes

Well Volume (gal) = 0.041d²h: 1.4 | Purge Rate (L/min)[2]: 100 mL/min | QA/QC I.D. Dup-01

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): See below | Laboratory Analyses: VOC

Well Condition: Good | Sampling Method (check all that apply): ☒ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: Low Flow ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time (min)	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0	16.37	0.172	6.86	6.01	-9	3	0.5	21.95	
5	16.24	0.165	6.39	5.77	-2	3	1.0	21.96	
10	16.43	0.163	6.47	5.61	-10	3	1.5	21.96	
15	16.59	0.163	6.43	5.66	-17	3	2.0	21.96	
20	16.66	0.163	6.40	5.68	-13	3	2.5	21.96	
25	16.53	0.165	6.27	5.73	-13	3	3.0	21.96	
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
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GROUND WATER SAMPLING LOG SHEET

ERM

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-24 | Pump Type/Model: GEOPUMP (PERISTALTIC) | Sample Collection Time: 1125

Total Depth (ft)[1]: 35.46 (25.35) | Tubing Material: .17X.14 TZ-LDPE | Sample Purge Rate (L/min)[3]: .1 L/min

Depth to Water (ft): 23.45 | Pump Intake Depth (ft): 30 ft | Sample ID: MW-24

Well Diameter (in): 2" | Start/Stop Purge Time: 1050 / 1120 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 1.9946 / 9.24 (12%) | Purge Rate (L/min)[2]: .1 L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 3.0 L | Laboratory Analyses: VOCs 8260

Well Condition: GOOD | Sampling Method (check all that apply): ☑ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide)

Purge Method: LOW FLOW / LOW VOLUME 0.1 L/MIN ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1055	18.24	.120	10.55	5.56	93.9	33.6	.5	23.43	
1100	17.99	.116	7.47	5.15	107.5	22.0	1.0	23.43	
1105	17.74	.114	6.96	4.95	128.4	11.3	1.5	23.43	
1110	17.65	.110	6.72	4.95	132.7	5.33	2.0	23.43	
1115	17.71	.109	6.73	4.91	130.4	2.13	2.5	23.43	
1120	17.60	.106	6.63	4.96	131.9	1.98	3.0	23.43	
1125	PARAMETERS STABILIZED, SAMPLES COLLECTED.								
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Coats | Project No.: 138388 | Sampling Date: 9/17/2013

Site/Location: Toccoa, GA | Sampler's Name: R. McJilton

Well ID: MW-25 | Pump Type/Model: GEOPUMP PERISTALTIC | Sample Collection Time: 1215

Total Depth (ft)[1]: 24 (14-24) | Tubing Material: .17X1/4 TL-LDPE | Sample Purge Rate (L/min)[3]: .1 L/MIN

Depth to Water (ft): 12.01 | Pump Intake Depth (ft): 19E | Sample ID: MW-25

Well Diameter (in): 2" | Start/Stop Purge Time: 1140/1210 | QA/QC Collected? NO

Well Volume (gal) = 0.041d²h: 2.06L/7.5LITERS | Purge Rate (L/min)[2]: .1L/MIN | QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet) | Total Purge Volume (L): 3.0L | Laboratory Analyses: VOCs 8260

Well Condition: GOOD | Sampling Method (check all that apply): ☑ soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide)

Purge Method: LOW FLOW/LOW VOLUME @ .1L/MIN ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1145	14.59	.105	7.77	5.45	119.4	30.6	.5	12.06	
1150	14.36	.104	3.44	5.19	135.5	5.77	1.0	12.00	
1155	14.04	.104	3.25	5.10	137.5	1.59	1.5	12.06	
1200	14.03	.102	3.34	5.23	130.2	1.39	2.0	12.06	
1205	13.00	.103	3.22	5.26	127.4	1.12	2.5	12.04	
1210	14.00	.102	3.22	5.25	131.6	1.09	3.0	12.06	
1215	PARAMETERS STABILIZED, SAMPLES COLLECTED.								
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

9-275-G
(Rev. 10-81)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. 1

Comp. by. DGD

Sta. No. SW-1

DISCHARGE MEASUREMENT NOTES

Checked by .....

Date 10-4 , 2012 Party DGD

Width ..... Area ..... Vel. ..... G. H. ..... Disch. .....

Method ..... No. secs. ..... G. H. change. ..... in ..... hrs. Susp. .....

Method coef. ..... Hor. angle coef. ..... Susp. coef. ..... Meter No. .....

Type of meter ..... Date rated ..... Tag checked .....

Meter ..... ft. above bottom of wt. Spin before meas. ..... after .....

Meas. plots ..... % diff. from ..... rating. Levels obtained .....

GAGE READINGS					
Time		Inside	ADR	Graphic	Outside
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No ..... Yes. ✓ ..... Time .....

Samples Collected

No ..... Yes. ..... Time .....

Method Used

EDI ..... EWI ..... Other. .....

SEDIMENT SAMPLES

No ..... Yes. ..... Time .....

Method Used

EDI ..... EWI ..... Other. .....

BIOLOGICAL SAMPLES

Yes. ..... Time .....

No ..... Type .....

Check bar. chain found ..... changed to ..... at .....

Wading, cable, ice, boat, upstr., downstr., side bridge. ..... feet, mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:

Flow .....

Cross section .....

Control ... metric .....

Gage operating ... N/A ..... Weather . clear .....

Intake/Orifice cleaned ..... Air ..... °C@ ..... Water ..... °C@ .....

Record removed ..... Extreme Indicator: Max. ..... Min. .....

Manometer N_2 Pressure Tank ..... Feed ..... Bbl rate ..... per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks due to thick brush. I could not reach the gage.

.....

.....

G.H. of zero flow ..... ft. Sheet No. ..... of ..... sheets

9-275-G
(Rev. 10-81)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. 1

Comp. by. DGD

Sta. No. ~~SW-1~~ SW-2 DISCHARGE MEASUREMENT NOTES Checked by .....

Coats Reach

Date 10-4 ., 2012 Party DGD

Width 3.71 Area 1.89 Vel. ~~.....~~ G.H. n/a Disch. .0897 cfs

Method Flowmate 2000 No. secs. ..... G. H. change .03 Pk in ..... hrs. Susp. .....

Method coef. ..... Hor. angle coef. ..... Susp. coef. ..... Meter No. .....

Type of meter Flowmate 2000 Date rated ..... Tag checked .....

Meter ..... ft. above bottom of wt. Spin before meas. ..... after .....

Meas. plots ..... % diff. from ..... rating. Levels obtained .....

GAGE READINGS

Time		Inside	ADR	Graphic	Outside
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No ..... Yes. ✓ ..... Time .....

Samples Collected

No ..... Yes. ✓ ..... Time 1245

Method Used

EDI ..... EWI ..... Other. .....

SEDIMENT SAMPLES

No ..... Yes. ..... Time .....

Method Used

EDI ..... EWI ..... Other. .....

BIOLOGICAL SAMPLES

Yes. ..... Time .....

No ..... Type .....

Check bar. chain found ..... changed to ..... at .....

Wading, cable, ice, boat, upstr., downstr., side bridge. ..... feet, mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:

Flow .....

Cross section REW 2.0' LEW 5.7'

Control Section .....

Gage operating ..... Weather .....

Intake/Orifice cleaned ..... Air ..... °C@ ..... Water ..... °C@ .....

Record removed ..... Extreme Indicator: Max. ..... Min. .....

Manometer N_2 Pressure Tank ..... Feed ..... Bbl rate ..... per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks .....

.....

.....

G.H. of zero flow ..... ft. Sheet No. ..... of ..... sheets

.0 .10 .20 .30 .40 .50 .60 .70 .75

River at— SW-2

Angle coef-ficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY: At point	VELOCITY: Mean in vertical	Adjusted for hor. angle or	Area	Discharge	
	.5	.5	.38	.6	+0.01	40		.01		0.19	.0019	.80
	1.0	.5	.48	.6	+0.04	40		.04		0.24	.0096	.86
	1.5	.5	.40	.6	+0.05	40		.05		0.20	+.01	
	2.0	.5	.48	.6	.003	40		.03		0.24	.0072	.90
	2.5	.5	0.50	.6	+0.06	40		.06		1.0	+.06	
	3.0	.5	0.40	.6	+0.05	40		.05		0.02	+.001	.92
											~~2.~~	.94
											.0897 CFS	.96
								.04		1.97 cf		.97
												.98
												.99
⊙												1.00
												.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85
												.80

.0 .10 .20 .30 .40 .50 .60 .70 .75

9-275-H
(Rev. 4-94)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

Meas. No. 1

Comp. by DGD

Sta. No SKA-3 **DISCHARGE MEASUREMENT NOTES** Checked by

Coats Tocca Singletree at 1300

Date 10-4, 19 2012 Party DGD

Width 4.0 Area 0.52 Vel. 0.11 ft/s G.H. Disch. 0.12 cfs

Method Manual No. secs. G.H. change in hrs. Susp.

Method coef. Hor. angle coef. Susp. coef. Meter No.

Type of meter Top set Date rated for rod, other.

Meter ft ft. above bottom of wt. Spin before meas after

Meas. plots % diff. from rating. Wading, cable, ice, boat, upstr., downstr., side bridge feet, mile, above, below gage. Levels obtained

BASE GAGE READINGS				
Time		Recorder	Inside	Outside
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

AUX. GAGE READINGS				
Time		Recorder	Inside	Outside
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

Check-bar, chain found
changed to at

Check-bar, chain found
changed to at

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%), based on following conditions: Cross section

Flow Weather clear Sunny

Other Air °F@

Gage Water °F@

Record removed Intake flushed U

Observer

Control

Remarks 8260 at 1300

G.H. of zero flow ft. Sheet No. of sheets.

.0 .10 .20 .30 .40 .50 .60 .70 .75

River at—

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY: At point	VELOCITY: Mean in vertical	Adjusted for hor. angle or ----------	Area	Discharge
	0	0	0								
	.5	.5	.27	.6			0.224 ft/s			0.135	0.0297
	1.0	.5	.27	.6			0.48			0.135	0.0648
	1.5	.5	.20	.6			0.19			0.1	0.019
	2.0	.5	.15	.6			0.05			0.075	0.00375
	2.5	.5	.12	.4			0.07			0.06	0.0042
	3.0	.5	.10	.6			0.0				
	3.5	.5	.10	.6			0.0				
	4.0	.5	0	—			—				
										0.5189	0.12cfs

.80 .85 .90 .92 .94 .96 .97 .98 .99 1.00 .99 .98 .97 .96 .94 .92 .90 .85 .80

.0 .10 .20 .30 .40 .50 .60 .70 .75

9-275-H
(Rev. 4-94)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

DISCHARGE MEASUREMENT NOTES

Meas. No. .....
Comp. by DGD
Checked by .....

Sta. No. SW-1

Date 10-4 2012 Party DGD

Width 3.0 Area 4.4ft2 Vel. 0.20ft/s G.H. ..... Disch. 0.14 cfs

Method ..... No. secs. ..... G.H. change .....in .....hrs. Susp. .....

Method coef. ..... Hor. angle coef. ..... Susp. coef. ..... Meter No. .....

Type of meter. Flomate ..... Date rated .....for rod, other.

Meter .....ft. above bottom of wt. Spin before meas. .....after .....

Meas. plots .....% diff. from .....rating. Wading, cable, ice, boat, upstr., downstr., side bridge .....feet, mile, above, below gage. Levels obtained .....

BASE GAGE READINGS

Time		Recorder	Inside	Outside
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

AUX. GAGE READINGS

Time		Recorder	Inside	Outside
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

Check-bar, chain found .....
changed to .....at .....

Check-bar, chain found .....
changed to .....at .....

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%), based on following conditions: Cross section .....

Flow ..... Weather .....

Other .....Air .....°F@ .....

Gage .....Water.....°F@ .....

..... Record removed ..... Intake flushed U L .....

Observer .....

.....

Control .....

.....

Remarks .....

.....

.....

G.H. of zero flow .....ft. Sheet No. .....of .....sheets.

.0 .10 .20 .30 .40 .50 .60 .70 .75

River at—

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY: At point	VELOCITY: Mean in vertical	Adjusted for hor. angle or ----	Area	Discharge	
	0	.5	0				0					.80
	.5	.5	1.2	.6			0.34	ft/s		0.1	0.034	.85
	1.0	.5	1.3	.6			0.47			0.15	0.071	
	1.5	.5	0	~~0~~			0.0			0	~~0~~	.90
	2.0	.5	0.1	.6			0.56	ft/s		0.05	0.028	
	2.5	.5	0.28	.6			0.09			0.14	0.006	.92
	3.0	.5	0	.6			0					.94
										0.44 ft²	0.1386	
							0.20	ft/s			0.14 cfs	.96
												.97
												.98
												.99
⊙												1.00
												.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85
												.80

.0 .10 .20 .30 .40 .50 .60 .70 .75

9-275-G
(Rev. 10-81)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. 1

Comp. by. DG

Sta. No. SOL-5 **DISCHARGE MEASUREMENT NOTES** Checked by .....

Coots Tower sample @ 1440

Date 10-4 2012 Party DSD

Width 3.5' Area 0.52 Vel. 0.14 G. H. ..... Disch. 0.076

Method ..... No. secs. ..... G. H. change. ..... in ..... hrs. Susp. .....

Method coef. ..... Hor. angle coef. ..... Susp. coef. ..... Meter No. .....

Type of meter Flowatch Date rated ..... Tag checked .....

Meter ..... ft. above bottom of wt. Spin before meas. ..... after .....

Meas. plots. ..... % diff. from. ..... rating. Levels obtained. .....

GAGE READINGS					
Time		Inside	ADR	Graphic	Outside
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No ..... Yes. ✓ Time .....

Samples Collected

No ..... Yes. ..... Time .....

Method Used

EDI ..... EWI ..... Other. .....

SEDIMENT SAMPLES

No ..... Yes. ..... Time .....

Method Used

EDI ..... EWI ..... Other. .....

BIOLOGICAL SAMPLES

Yes. ..... Time .....

No ..... Type .....

Check bar. chain found ..... changed to ..... at .....

Wading, cable, ice, boat, upstr., downstr., side bridge. ..... feet, mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:

Flow. .....

Cross section cobbles, sand .....

Control. Section. .....

Gage operating ..... Weather .....

Intake/Orifice cleaned ..... Air ..... °C@ ..... Water ..... °C@ .....

Record removed ..... Extreme Indicator: Max. ..... Min. .....

Manometer N_2 Pressure Tank ..... Feed ..... Bbl rate ..... per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks ... 2260 sample collected @ 1440 .....

.....

.....

G.H. of zero flow ..... ft. Sheet No. ..... of ..... sheets

River at—

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY: At point	VELOCITY: Mean in vertical	Adjusted for hor. angle or	Area	Discharge
	0	.5	0	—				0		0	
	.5	.5	.14	.6				0.17 ft/s		.09	.0153
	1.0	.5	0.18	.6				0.30 ft/s		.09	.027
	1.5	.5	0.18	.6				0.23 ft/s		.09	.0207
	2.0	.5	.28	.6				0.12 ft/s		0.14	.0168
	2.5	.5	.22	.6				0.06 ft/s		0.11	.0066
	3.0	.5	.10	.6				0.11 ft/s		0.05	0.0055
	3.5	.5	0	—				0		0	
											0.09 cfs
								0.14 ft/s		0.54 ft²	
⊙											

Appendix C
Ground Water and Surface Water Analytical Lab Reports

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Prepared For:

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta, GA 30339

Attention: Ms. Adria Reimer

Report Number: AWI0583
September 26, 2013
Project: Coats - Toccoa
Project #:0138388

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:

Judy Wagner
Project Manager

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-1	AWI0583-01	Surface Water	09/17/13 09:15	09/20/13 10:25
SW-2	AWI0583-02	Surface Water	09/17/13 09:40	09/20/13 10:25
SW-3	AWI0583-03	Surface Water	09/17/13 10:00	09/20/13 10:25
SW-4	AWI0583-04	Surface Water	09/17/13 10:15	09/20/13 10:25
MW-24	AWI0583-05	Ground Water	09/17/13 11:25	09/20/13 10:25
MW-17	AWI0583-06	Ground Water	09/17/13 12:05	09/20/13 10:25
MW-25	AWI0583-07	Ground Water	09/17/13 12:15	09/20/13 10:25
MW-16	AWI0583-08	Ground Water	09/17/13 13:00	09/20/13 10:25
MW-14	AWI0583-09	Ground Water	09/17/13 13:55	09/20/13 10:25
MW-2	AWI0583-10	Ground Water	09/17/13 14:00	09/20/13 10:25
MW-9	AWI0583-11	Ground Water	09/17/13 14:30	09/20/13 10:25
MW-12	AWI0583-12	Ground Water	09/17/13 14:50	09/20/13 10:25
MW-5	AWI0583-13	Ground Water	09/17/13 15:30	09/20/13 10:25
MW-19	AWI0583-14	Ground Water	09/17/13 15:45	09/20/13 10:25
MW-10	AWI0583-15	Ground Water	09/18/13 09:10	09/20/13 10:25
MW-21	AWI0583-16	Ground Water	09/18/13 09:45	09/20/13 10:25
MW-1	AWI0583-17	Ground Water	09/18/13 10:05	09/20/13 10:25
MW-23	AWI0583-18	Ground Water	09/18/13 10:55	09/20/13 10:25
MW-4	AWI0583-19	Ground Water	09/18/13 11:35	09/20/13 10:25
MW-13	AWI0583-20	Ground Water	09/18/13 12:00	09/20/13 10:25
MW-11	AWI0583-21	Ground Water	09/18/13 13:50	09/20/13 10:25
MW-22	AWI0583-22	Ground Water	09/18/13 14:00	09/20/13 10:25
MW-3	AWI0583-23	Ground Water	09/18/13 15:30	09/20/13 10:25
MW-15	AWI0583-24	Ground Water	09/18/13 15:30	09/20/13 10:25
Duplicate-01	AWI0583-25	Ground Water	09/18/13 00:00	09/20/13 10:25
MW-18	AWI0583-26	Ground Water	09/19/13 10:00	09/20/13 10:25
MW-6	AWI0583-27	Ground Water	09/19/13 10:25	09/20/13 10:25
MW-20	AWI0583-28	Ground Water	09/19/13 12:50	09/20/13 10:25
MW-7	AWI0583-29	Ground Water	09/19/13 11:20	09/20/13 10:25
Duplicate-02	AWI0583-30	Ground Water	09/19/13 00:00	09/20/13 10:25
SW-5	AWI0583-31	Surface Water	09/19/13 13:05	09/20/13 10:25
Duplicate-03	AWI0583-32	Surface Water	09/19/13 00:00	09/20/13 10:25
Trip Blank	AWI0583-33	Water	09/17/13 08:00	09/20/13 10:25

ASI

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Case Narrative

Volatile Organic Compound Analysis by Method EPA 8260:

An unpreserved vial was not received for analysis; therefore 2-CEVE was analyzed using a HCL preserved vial.

ASI

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(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-1
Date/Time Sampled: 9/17/2013 9:15:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-01
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH

ASI

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ERM
3200 Windy Hill Road, Suite 1500W
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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-1
Date/Time Sampled: 9/17/2013 9:15:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-01
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-1
Date/Time Sampled: 9/17/2013 9:15:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-01
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:09	3090463	CJH
Surrogate: Dibromofluoromethane	*101 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 10:09*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 10:09*	*3090463*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 10:09*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 10:09*	*3090463*	

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ERM
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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-2
Date/Time Sampled: 9/17/2013 9:40:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-02
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH

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Environmental Monitoring & Laboratory Analysis
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(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-2
Date/Time Sampled: 9/17/2013 9:40:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-02
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-2
Date/Time Sampled: 9/17/2013 9:40:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-02
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 10:37	3090463	CJH
Surrogate: Dibromofluoromethane	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 10:37*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 10:37*	*3090463*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 10:37*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 10:37*	*3090463*	

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-3
Date/Time Sampled: 9/17/2013 10:00:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-03
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH

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ERM
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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-3
Date/Time Sampled: 9/17/2013 10:00:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-03
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH

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ERM
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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-3
Date/Time Sampled: 9/17/2013 10:00:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-03
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:05	3090463	CJH
Surrogate: Dibromofluoromethane	*101 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 11:05*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 11:05*	*3090463*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 11:05*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 11:05*	*3090463*	

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-4
Date/Time Sampled: 9/17/2013 10:15:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-04
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-4
Date/Time Sampled: 9/17/2013 10:15:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-04
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-4
Date/Time Sampled: 9/17/2013 10:15:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-04
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 11:33	3090463	CJH
Surrogate: Dibromofluoromethane	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 11:33*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 11:33*	*3090463*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 11:33*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 11:33*	*3090463*	

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3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-24
Date/Time Sampled: 9/17/2013 11:25:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-05
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH

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Environmental Monitoring & Laboratory Analysis
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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-24
Date/Time Sampled: 9/17/2013 11:25:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-05
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH

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ANALYTICAL SERVICES, INC.

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(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-24
Date/Time Sampled: 9/17/2013 11:25:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-05
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:01	3090463	CJH
Surrogate: Dibromofluoromethane	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:01*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:01*	*3090463*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:01*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:01*	*3090463*	

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-17
Date/Time Sampled: 9/17/2013 12:05:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-06
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-17
Date/Time Sampled: 9/17/2013 12:05:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-06
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-17
Date/Time Sampled: 9/17/2013 12:05:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-06
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:30	3090463	CJH
Surrogate: Dibromofluoromethane	*101 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:30*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:30*	*3090463*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:30*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:30*	*3090463*	

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-25
Date/Time Sampled: 9/17/2013 12:15:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-07
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-25
Date/Time Sampled: 9/17/2013 12:15:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-07
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-25
Date/Time Sampled: 9/17/2013 12:15:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-07
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 12:58	3090463	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:58*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:58*	*3090463*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:58*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 12:58*	*3090463*	

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-16
Date/Time Sampled: 9/17/2013 1:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-08
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-16
Date/Time Sampled: 9/17/2013 1:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-08
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-16
Date/Time Sampled: 9/17/2013 1:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-08
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:26	3090463	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 13:26*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 13:26*	*3090463*	
Surrogate: Toluene-d8	*97 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 13:26*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 13:26*	*3090463*	

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ERM
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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-14
Date/Time Sampled: 9/17/2013 1:55:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-09
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-14
Date/Time Sampled: 9/17/2013 1:55:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-09
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
p-Isopropyltoluene	12	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH

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ERM
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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-14
Date/Time Sampled: 9/17/2013 1:55:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-09
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 13:53	3090463	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 13:53*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 13:53*	*3090463*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 13:53*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 13:53*	*3090463*	

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-2
Date/Time Sampled: 9/17/2013 2:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-10
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-2
Date/Time Sampled: 9/17/2013 2:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-10
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-2
Date/Time Sampled: 9/17/2013 2:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-10
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:21	3090463	CJH
Surrogate: Dibromofluoromethane	*101 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 14:21*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*114 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 14:21*	*3090463*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 14:21*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 14:21*	*3090463*	

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-9
Date/Time Sampled: 9/17/2013 2:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-11
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-9
Date/Time Sampled: 9/17/2013 2:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-11
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH

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ANALYTICAL SERVICES, INC.

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-9
Date/Time Sampled: 9/17/2013 2:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-11
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:17	3090496	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 10:17*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 10:17*	*3090496*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 10:17*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 10:17*	*3090496*	

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-12
Date/Time Sampled: 9/17/2013 2:50:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-12
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-12
Date/Time Sampled: 9/17/2013 2:50:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-12
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-12
Date/Time Sampled: 9/17/2013 2:50:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-12
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 14:49	3090463	CJH
Surrogate: Dibromofluoromethane	*101 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 14:49*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*114 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 14:49*	*3090463*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 14:49*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 14:49*	*3090463*	

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ERM
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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-5
Date/Time Sampled: 9/17/2013 3:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-13
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-5
Date/Time Sampled: 9/17/2013 3:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-13
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-5
Date/Time Sampled: 9/17/2013 3:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-13
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:17	3090463	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 15:17*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 15:17*	*3090463*	
Surrogate: Toluene-d8	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 15:17*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 15:17*	*3090463*	

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-19
Date/Time Sampled: 9/17/2013 3:45:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-14
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-19
Date/Time Sampled: 9/17/2013 3:45:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-14
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-19
Date/Time Sampled: 9/17/2013 3:45:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-14
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 15:46	3090463	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 15:46*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*114 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 15:46*	*3090463*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 15:46*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 15:46*	*3090463*	

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-10
Date/Time Sampled: 9/18/2013 9:10:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-15
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-10
Date/Time Sampled: 9/18/2013 9:10:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-15
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH

ANALYTICAL SERVICES, INC.

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-10
Date/Time Sampled: 9/18/2013 9:10:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-15
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	30	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:14	3090463	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 16:14*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 16:14*	*3090463*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 16:14*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 16:14*	*3090463*	

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-21
Date/Time Sampled: 9/18/2013 9:45:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-16
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-21
Date/Time Sampled: 9/18/2013 9:45:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-16
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-21
Date/Time Sampled: 9/18/2013 9:45:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-16
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 16:42	3090463	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 16:42*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 16:42*	*3090463*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 16:42*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 16:42*	*3090463*	

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-1
Date/Time Sampled: 9/18/2013 10:05:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-17
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-1
Date/Time Sampled: 9/18/2013 10:05:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-17
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-1
Date/Time Sampled: 9/18/2013 10:05:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-17
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	22	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:10	3090463	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 17:10*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 17:10*	*3090463*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 17:10*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 17:10*	*3090463*	

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ERM
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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-23
Date/Time Sampled: 9/18/2013 10:55:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-18
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-23
Date/Time Sampled: 9/18/2013 10:55:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-18
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-23
Date/Time Sampled: 9/18/2013 10:55:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-18
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	72	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 17:38	3090463	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 17:38*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 17:38*	*3090463*	
Surrogate: Toluene-d8	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 17:38*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*98 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 17:38*	*3090463*	

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-4
Date/Time Sampled: 9/18/2013 11:35:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-19
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Carbon Tetrachloride	5.4	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-4
Date/Time Sampled: 9/18/2013 11:35:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-19
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,1,1-Trichloroethane	7.3	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-4
Date/Time Sampled: 9/18/2013 11:35:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-19
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:06	3090463	CJH
Surrogate: Dibromofluoromethane	*104 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 18:06*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 18:06*	*3090463*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 18:06*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 18:06*	*3090463*	

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-13
Date/Time Sampled: 9/18/2013 12:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-20
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-13
Date/Time Sampled: 9/18/2013 12:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-20
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-13
Date/Time Sampled: 9/18/2013 12:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-20
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	52	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/23/13 9:30	9/23/13 18:34	3090463	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 18:34*	*3090463*	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*78-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 18:34*	*3090463*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 18:34*	*3090463*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*9/23/13 9:30*	*9/23/13 18:34*	*3090463*	

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-11
Date/Time Sampled: 9/18/2013 1:50:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-21
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Chloroform	14	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-11
Date/Time Sampled: 9/18/2013 1:50:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-21
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-11
Date/Time Sampled: 9/18/2013 1:50:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-21
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 10:45	3090496	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 10:45*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*117 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 10:45*	*3090496*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 10:45*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 10:45*	*3090496*	

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-22
Date/Time Sampled: 9/18/2013 2:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-22
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Chloroform	6.2	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-22
Date/Time Sampled: 9/18/2013 2:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-22
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH

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ERM
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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-22
Date/Time Sampled: 9/18/2013 2:00:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-22
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	86	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:48	3090496	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 16:48*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*120 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 16:48*	*3090496*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 16:48*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 16:48*	*3090496*	

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-3
Date/Time Sampled: 9/18/2013 3:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-23
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Carbon Tetrachloride	38	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Chloroform	52	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH

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ERM
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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-3
Date/Time Sampled: 9/18/2013 3:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-23
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH

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ERM
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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-3
Date/Time Sampled: 9/18/2013 3:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-23
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	28	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 11:41	3090496	CJH
Surrogate: Dibromofluoromethane	*105 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 11:41*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 11:41*	*3090496*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 11:41*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 11:41*	*3090496*	

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September 26, 2013

Report No.: AWI0583
Client ID: MW-15
Date/Time Sampled: 9/18/2013 3:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-24
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH

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September 26, 2013

Report No.: AWI0583
Client ID: MW-15
Date/Time Sampled: 9/18/2013 3:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-24
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-15
Date/Time Sampled: 9/18/2013 3:30:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-24
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	70	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:16	3090496	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 17:16*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*120 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 17:16*	*3090496*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 17:16*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 17:16*	*3090496*	

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Duplicate-01
Date/Time Sampled: 9/18/2013 12:00:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-25
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Duplicate-01
Date/Time Sampled: 9/18/2013 12:00:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-25
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Duplicate-01
Date/Time Sampled: 9/18/2013 12:00:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-25
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	72	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 12:37	3090496	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 12:37*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*119 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 12:37*	*3090496*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 12:37*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 12:37*	*3090496*	

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-18
Date/Time Sampled: 9/19/2013 10:00:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-26
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-18
Date/Time Sampled: 9/19/2013 10:00:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-26
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-18
Date/Time Sampled: 9/19/2013 10:00:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-26
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	14	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 17:44	3090496	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 17:44*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*119 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 17:44*	*3090496*	
Surrogate: Toluene-d8	*98 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 17:44*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 17:44*	*3090496*	

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-6
Date/Time Sampled: 9/19/2013 10:25:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-27
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-6
Date/Time Sampled: 9/19/2013 10:25:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-27
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-6
Date/Time Sampled: 9/19/2013 10:25:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-27
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 13:33	3090496	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 13:33*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*119 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 13:33*	*3090496*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 13:33*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 13:33*	*3090496*	

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-20
Date/Time Sampled: 9/19/2013 12:50:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-28
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH

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Environmental Monitoring & Laboratory Analysis
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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-20
Date/Time Sampled: 9/19/2013 12:50:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-28
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH

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ANALYTICAL SERVICES, INC.

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-20
Date/Time Sampled: 9/19/2013 12:50:00PM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-28
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:00	3090496	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:00*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*119 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:00*	*3090496*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:00*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:00*	*3090496*	

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-7
Date/Time Sampled: 9/19/2013 11:20:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-29
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-7
Date/Time Sampled: 9/19/2013 11:20:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-29
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: MW-7
Date/Time Sampled: 9/19/2013 11:20:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-29
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:28	3090496	CJH
Surrogate: Dibromofluoromethane	*103 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:28*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:28*	*3090496*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:28*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:28*	*3090496*	

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3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Duplicate-02
Date/Time Sampled: 9/19/2013 12:00:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-30
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Duplicate-02
Date/Time Sampled: 9/19/2013 12:00:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-30
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Duplicate-02
Date/Time Sampled: 9/19/2013 12:00:00AM
Matrix: Ground Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-30
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 14:56	3090496	CJH
Surrogate: Dibromofluoromethane	*104 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:56*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*119 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:56*	*3090496*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:56*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 14:56*	*3090496*	

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
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3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-5
Date/Time Sampled: 9/19/2013 1:05:00PM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-31
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-5
Date/Time Sampled: 9/19/2013 1:05:00PM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-31
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: SW-5
Date/Time Sampled: 9/19/2013 1:05:00PM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-31
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:24	3090496	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 15:24*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*120 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 15:24*	*3090496*	
Surrogate: Toluene-d8	*99 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 15:24*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 15:24*	*3090496*	

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Duplicate-03
Date/Time Sampled: 9/19/2013 12:00:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-32
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Duplicate-03
Date/Time Sampled: 9/19/2013 12:00:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-32
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Duplicate-03
Date/Time Sampled: 9/19/2013 12:00:00AM
Matrix: Surface Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-32
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 15:52	3090496	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 15:52*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*118 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 15:52*	*3090496*	
Surrogate: Toluene-d8	*101 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 15:52*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 15:52*	*3090496*	

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3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Trip Blank
Date/Time Sampled: 9/17/2013 8:00:00AM
Matrix: Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-33
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Acrolein	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Benzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Bromobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Bromoform	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Bromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
n-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
sec-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
tert-Butylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Carbon Disulfide	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Carbon Tetrachloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1-Chlorobutane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
2-Chloroethyl Vinyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Chloroform	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Chloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
2-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
4-Chlorotoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,2-Dibromo-3-chloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,2-Dibromoethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Dibromomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,1-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,2-Dichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,1-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
cis-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Trip Blank
Date/Time Sampled: 9/17/2013 8:00:00AM
Matrix: Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-33
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
trans-1,2-Dichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,2-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,3-Dichloropropane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
2,2-Dichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,1-Dichloropropene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
cis-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
trans-1,3-Dichloropropene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Ethylbenzene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Hexachlorobutadiene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
p-Isopropyltoluene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Hexachloroethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Iodomethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Methacrylonitrile	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Methyl Acrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Methyl-tert-Butyl Ether	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
2-Nitropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Propionitrile (Ethyl Cyanide)	ND	20	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
n-Propylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Styrene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Tetrachloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Tetrahydrofuran	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Toluene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,2,3-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,2,4-Trichlorobenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,1,1-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,1,2-Trichloroethane	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583
Client ID: Trip Blank
Date/Time Sampled: 9/17/2013 8:00:00AM
Matrix: Water

Project: Coats - Toccoa
Lab Number ID: AWI0583-33
Date/Time Received: 9/20/2013 10:25:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Trichloroethene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,2,3-Trichloropropane	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,2,4-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
1,3,5-Trimethylbenzene	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Vinyl Acetate	ND	10	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
m+p-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
o-Xylene	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	9/24/13 9:34	9/24/13 16:20	3090496	CJH
Surrogate: Dibromofluoromethane	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 16:20*	*3090496*	
Surrogate: 1,2-Dichloroethane-d4	*119 %*	*78-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 16:20*	*3090496*	
Surrogate: Toluene-d8	*100 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 16:20*	*3090496*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*9/24/13 9:34*	*9/24/13 16:20*	*3090496*	

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 3090463 - EPA 5030B										
Blank (3090463-BLK1)				Prepared & Analyzed: 09/23/13						
Acetone	ND	100	ug/L							
Acrolein	ND	50	ug/L							
Acrylonitrile	ND	50	ug/L							
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L							
Benzene	ND	2.0	ug/L							
Bromobenzene	ND	10	ug/L							
Bromochloromethane	ND	10	ug/L							
Bromodichloromethane	ND	10	ug/L							
Bromoform	ND	10	ug/L							
Bromomethane	ND	10	ug/L							
n-Butylbenzene	ND	10	ug/L							
sec-Butylbenzene	ND	10	ug/L							
tert-Butylbenzene	ND	10	ug/L							
Carbon Disulfide	ND	10	ug/L							
Carbon Tetrachloride	ND	2.0	ug/L							
Chlorobenzene	ND	10	ug/L							
1-Chlorobutane	ND	10	ug/L							
Chloroethane	ND	5.0	ug/L							
2-Chloroethyl Vinyl Ether	ND	10	ug/L							
Chloroform	ND	2.0	ug/L							
Chloromethane	ND	10	ug/L							
2-Chlorotoluene	ND	10	ug/L							
4-Chlorotoluene	ND	10	ug/L							
Dibromochloromethane	ND	10	ug/L							
1,2-Dibromo-3-chloropropane	ND	10	ug/L							
1,2-Dibromoethane	ND	10	ug/L							
Dibromomethane	ND	10	ug/L							
1,2-Dichlorobenzene	ND	10	ug/L							
1,3-Dichlorobenzene	ND	10	ug/L							
1,4-Dichlorobenzene	ND	10	ug/L							
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L							
Dichlorodifluoromethane	ND	10	ug/L							
1,1-Dichloroethane	ND	2.0	ug/L							
1,2-Dichloroethane	ND	2.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	2.0	ug/L							
trans-1,2-Dichloroethene	ND	2.0	ug/L							
1,2-Dichloropropane	ND	2.0	ug/L							
1,3-Dichloropropane	ND	2.0	ug/L							
2,2-Dichloropropane	ND	10	ug/L							
1,1-Dichloropropene	ND	10	ug/L							

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September 26, 2013

Report No.: AWI0583

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 3090463 - EPA 5030B										
Blank (3090463-BLK1)				Prepared & Analyzed: 09/23/13						
cis-1,3-Dichloropropene	ND	2.0	ug/L							
trans-1,3-Dichloropropene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Ethyl Methacrylate	ND	10	ug/L							
Hexachlorobutadiene	ND	10	ug/L							
p-Isopropyltoluene	ND	10	ug/L							
Hexachloroethane	ND	10	ug/L							
Iodomethane	ND	10	ug/L							
Isopropylbenzene	ND	10	ug/L							
Methacrylonitrile	ND	10	ug/L							
Methyl Acrylate	ND	10	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L							
Methylene Chloride	ND	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Methyl Methacrylate	ND	10	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L							
Methyl-tert-Butyl Ether	ND	10	ug/L							
Naphthalene	ND	10	ug/L							
2-Nitropropane	ND	10	ug/L							
Propionitrile (Ethyl Cyanide)	ND	20	ug/L							
n-Propylbenzene	ND	10	ug/L							
Styrene	ND	5.0	ug/L							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L							
Tetrachloroethene	ND	2.0	ug/L							
Tetrahydrofuran	ND	10	ug/L							
Toluene	ND	2.0	ug/L							
1,2,3-Trichlorobenzene	ND	10	ug/L							
1,2,4-Trichlorobenzene	ND	10	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
1,1,2-Trichloroethane	ND	2.0	ug/L							
Trichloroethene	ND	2.0	ug/L							
Trichlorofluoromethane	ND	10	ug/L							
1,2,3-Trichloropropane	ND	10	ug/L							
1,2,4-Trimethylbenzene	ND	10	ug/L							
1,3,5-Trimethylbenzene	ND	10	ug/L							
Vinyl Acetate	ND	10	ug/L							
Vinyl Chloride	ND	2.0	ug/L							
m+p-Xylene	ND	5.0	ug/L							
o-Xylene	ND	5.0	ug/L							
Xylenes, total	ND	5.0	ug/L							

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Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 3090463 - EPA 5030B										
Blank (3090463-BLK1)						Prepared & Analyzed: 09/23/13				
Surrogate: Dibromofluoromethane	*50*		*ug/L*	*50.000*		*100*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*54*		*ug/L*	*50.000*		*107*	*78-120*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*100*	*80-120*			
LCS (3090463-BS1)						Prepared & Analyzed: 09/23/13				
Benzene	54		ug/L	50.000		108	67-134			
Chlorobenzene	52		ug/L	50.000		103	69-122			
1,1-Dichloroethene	59		ug/L	50.000		117	58-142			
Toluene	53		ug/L	50.000		105	68-127			
Trichloroethene	57		ug/L	50.000		115	72-132			
Surrogate: Dibromofluoromethane	*50*		*ug/L*	*50.000*		*99*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*53*		*ug/L*	*50.000*		*106*	*78-120*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*99*	*80-120*			
Matrix Spike (3090463-MS1)	**Source: AWI0583-01**					Prepared & Analyzed: 09/23/13				
Benzene	48		ug/L	50.000	ND	96	67-134			
Chlorobenzene	45		ug/L	50.000	0.1	90	69-122			
1,1-Dichloroethene	53		ug/L	50.000	ND	106	58-142			
Toluene	47		ug/L	50.000	ND	93	68-127			
Trichloroethene	50		ug/L	50.000	0.6	99	72-132			
Surrogate: Dibromofluoromethane	*52*		*ug/L*	*50.000*		*103*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*58*		*ug/L*	*50.000*		*116*	*78-120*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*51*		*ug/L*	*50.000*		*101*	*80-120*			
Matrix Spike Dup (3090463-MSD1)	**Source: AWI0583-01**					Prepared & Analyzed: 09/23/13				
Benzene	47		ug/L	50.000	ND	95	67-134	1	9	
Chlorobenzene	45		ug/L	50.000	0.1	89	69-122	2	13	
1,1-Dichloroethene	51		ug/L	50.000	ND	102	58-142	3	9	
Toluene	46		ug/L	50.000	ND	92	68-127	1	9	
Trichloroethene	48		ug/L	50.000	0.6	95	72-132	3	11	
Surrogate: Dibromofluoromethane	*52*		*ug/L*	*50.000*		*104*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*58*		*ug/L*	*50.000*		*117*	*78-120*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*100*	*80-120*			

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Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Report No.: AWI0583

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 3090496 - EPA 5030B										
Blank (3090496-BLK1)				Prepared & Analyzed: 09/24/13						
Acetone	ND	100	ug/L							
Acrolein	ND	50	ug/L							
Acrylonitrile	ND	50	ug/L							
Allyl Chloride (3-Chloropropylene)	ND	10	ug/L							
Benzene	ND	2.0	ug/L							
Bromobenzene	ND	10	ug/L							
Bromochloromethane	ND	10	ug/L							
Bromodichloromethane	ND	10	ug/L							
Bromoform	ND	10	ug/L							
Bromomethane	ND	10	ug/L							
n-Butylbenzene	ND	10	ug/L							
sec-Butylbenzene	ND	10	ug/L							
tert-Butylbenzene	ND	10	ug/L							
Carbon Disulfide	ND	10	ug/L							
Carbon Tetrachloride	ND	2.0	ug/L							
Chlorobenzene	ND	10	ug/L							
1-Chlorobutane	ND	10	ug/L							
Chloroethane	ND	5.0	ug/L							
2-Chloroethyl Vinyl Ether	ND	10	ug/L							
Chloroform	ND	2.0	ug/L							
Chloromethane	ND	10	ug/L							
2-Chlorotoluene	ND	10	ug/L							
4-Chlorotoluene	ND	10	ug/L							
Dibromochloromethane	ND	10	ug/L							
1,2-Dibromo-3-chloropropane	ND	10	ug/L							
1,2-Dibromoethane	ND	10	ug/L							
Dibromomethane	ND	10	ug/L							
1,2-Dichlorobenzene	ND	10	ug/L							
1,3-Dichlorobenzene	ND	10	ug/L							
1,4-Dichlorobenzene	ND	10	ug/L							
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L							
Dichlorodifluoromethane	ND	10	ug/L							
1,1-Dichloroethane	ND	2.0	ug/L							
1,2-Dichloroethane	ND	2.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	2.0	ug/L							
trans-1,2-Dichloroethene	ND	2.0	ug/L							
1,2-Dichloropropane	ND	2.0	ug/L							
1,3-Dichloropropane	ND	2.0	ug/L							
2,2-Dichloropropane	ND	10	ug/L							
1,1-Dichloropropene	ND	10	ug/L							

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 3090496 - EPA 5030B										
Blank (3090496-BLK1)				Prepared & Analyzed: 09/24/13						
cis-1,3-Dichloropropene	ND	2.0	ug/L							
trans-1,3-Dichloropropene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Ethyl Methacrylate	ND	10	ug/L							
Hexachlorobutadiene	ND	10	ug/L							
p-Isopropyltoluene	ND	10	ug/L							
Hexachloroethane	ND	10	ug/L							
Iodomethane	ND	10	ug/L							
Isopropylbenzene	ND	10	ug/L							
Methacrylonitrile	ND	10	ug/L							
Methyl Acrylate	ND	10	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	10	ug/L							
Methylene Chloride	ND	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Methyl Methacrylate	ND	10	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	10	ug/L							
Methyl-tert-Butyl Ether	ND	10	ug/L							
Naphthalene	ND	10	ug/L							
2-Nitropropane	ND	10	ug/L							
Propionitrile (Ethyl Cyanide)	ND	20	ug/L							
n-Propylbenzene	ND	10	ug/L							
Styrene	ND	5.0	ug/L							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L							
Tetrachloroethene	ND	2.0	ug/L							
Tetrahydrofuran	ND	10	ug/L							
Toluene	ND	2.0	ug/L							
1,2,3-Trichlorobenzene	ND	10	ug/L							
1,2,4-Trichlorobenzene	ND	10	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
1,1,2-Trichloroethane	ND	2.0	ug/L							
Trichloroethene	ND	2.0	ug/L							
Trichlorofluoromethane	ND	10	ug/L							
1,2,3-Trichloropropane	ND	10	ug/L							
1,2,4-Trimethylbenzene	ND	10	ug/L							
1,3,5-Trimethylbenzene	ND	10	ug/L							
Vinyl Acetate	ND	10	ug/L							
Vinyl Chloride	ND	2.0	ug/L							
m+p-Xylene	ND	5.0	ug/L							
o-Xylene	ND	5.0	ug/L							
Xylenes, total	ND	5.0	ug/L							

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September 26, 2013

Report No.: AWI0583

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 3090496 - EPA 5030B										
Blank (3090496-BLK1)						Prepared & Analyzed: 09/24/13				
Surrogate: Dibromofluoromethane	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*59*		*ug/L*	*50.000*		*118*	*78-120*			
Surrogate: Toluene-d8	*50*		*ug/L*	*50.000*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*100*	*80-120*			
LCS (3090496-BS1)						Prepared & Analyzed: 09/24/13				
Benzene	53		ug/L	50.000		106	67-134			
Chlorobenzene	49		ug/L	50.000		97	69-122			
1,1-Dichloroethene	60		ug/L	50.000		119	58-142			
Toluene	51		ug/L	50.000		103	68-127			
Trichloroethene	55		ug/L	50.000		109	72-132			
Surrogate: Dibromofluoromethane	*52*		*ug/L*	*50.000*		*104*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*58*		*ug/L*	*50.000*		*117*	*78-120*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*100*	*80-120*			
Matrix Spike (3090496-MS1)	**Source: AWI0583-11**					Prepared & Analyzed: 09/24/13				
Benzene	47		ug/L	50.000	ND	95	67-134			
Chlorobenzene	44		ug/L	50.000	ND	89	69-122			
1,1-Dichloroethene	54		ug/L	50.000	ND	109	58-142			
Toluene	46		ug/L	50.000	ND	92	68-127			
Trichloroethene	49		ug/L	50.000	ND	97	72-132			
Surrogate: Dibromofluoromethane	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*60*		*ug/L*	*50.000*		*120*	*78-120*			
Surrogate: Toluene-d8	*50*		*ug/L*	*50.000*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*51*		*ug/L*	*50.000*		*101*	*80-120*			
Matrix Spike Dup (3090496-MSD1)	**Source: AWI0583-11**					Prepared & Analyzed: 09/24/13				
Benzene	48		ug/L	50.000	ND	95	67-134	0.6	9	
Chlorobenzene	45		ug/L	50.000	ND	89	69-122	0.5	13	
1,1-Dichloroethene	54		ug/L	50.000	ND	109	58-142	0.04	9	
Toluene	45		ug/L	50.000	ND	91	68-127	0.9	9	
Trichloroethene	49		ug/L	50.000	ND	98	72-132	0.3	11	
Surrogate: Dibromofluoromethane	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*60*		*ug/L*	*50.000*		*120*	*78-120*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*101*	*80-120*			

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2014
NC	North Carolina	381	12/31/2013
NELAC	FL DOH (Non-Pot. Water, Solids) Eff:: 07/01/2012	E87315	06/30/2014
SC	South Carolina	98011001	06/30/2014
TX	Texas	T104704397-08-TX	03/31/2014
VA	Virginia	1340	12/14/2013

ASI

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ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013

Legend

Definition of Laboratory Terms

ND - None Detected at the Reporting Limit
TIC - Tentatively Identified Compound
CFU - Colony Forming Units
SOP - Method run per ASI Standard Operating Procedure
RL - Reporting Limit
DF - Dilution Factor
***** - Analyte not included in the NELAC list of certified analytes.

Sample Information

N-Nitrosodiphenylamine breaks down to diphenylamine in the GCMS; both analytes are reported as N-Nitrososdiphenylamine. ASI is not NELAC certified for diphenylamine.

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

1,2-Diphenylhydrazine breaks down to azobenzene in the GCMS; both analytes are reported as azobenzene

Definition of Qualifiers

Note: Unless otherwise noted, all results are reported on an as received basis.

ANALYTICAL SERVICES, INC.

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110 Technology Parkway, Norcross, GA 30092
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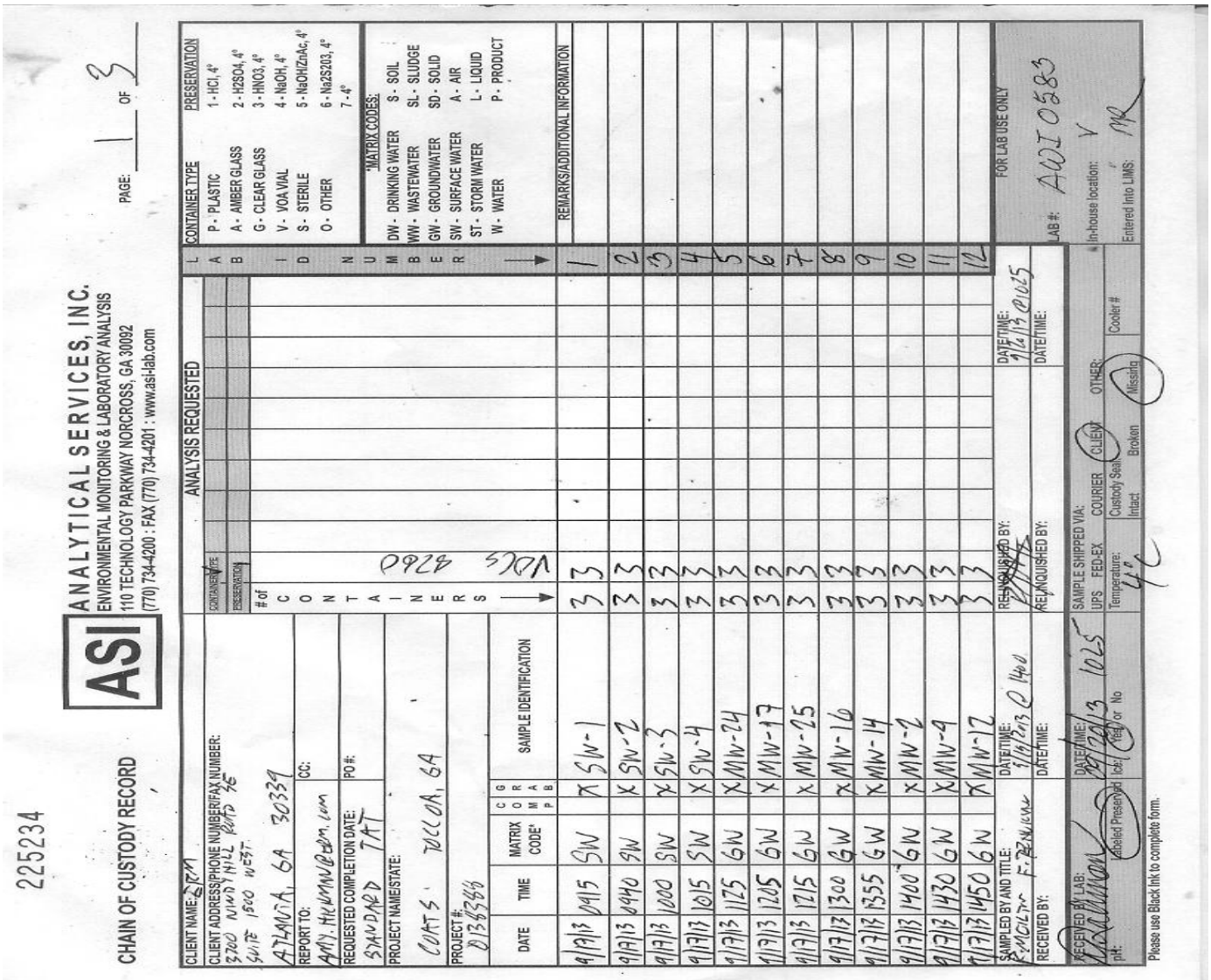
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013



ANALYTICAL SERVICES, INC.

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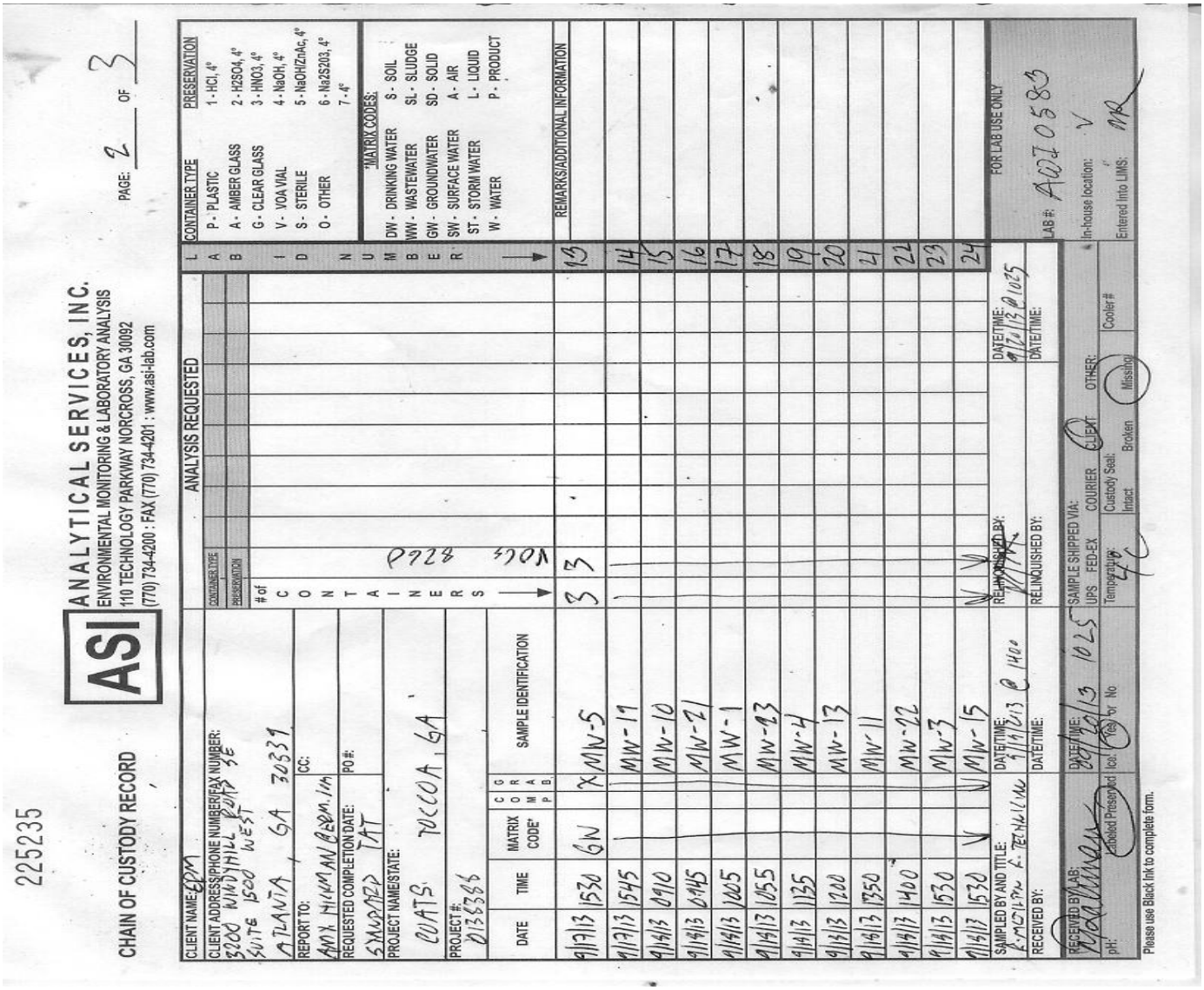
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer

September 26, 2013



ANALYTICAL SERVICES, INC.

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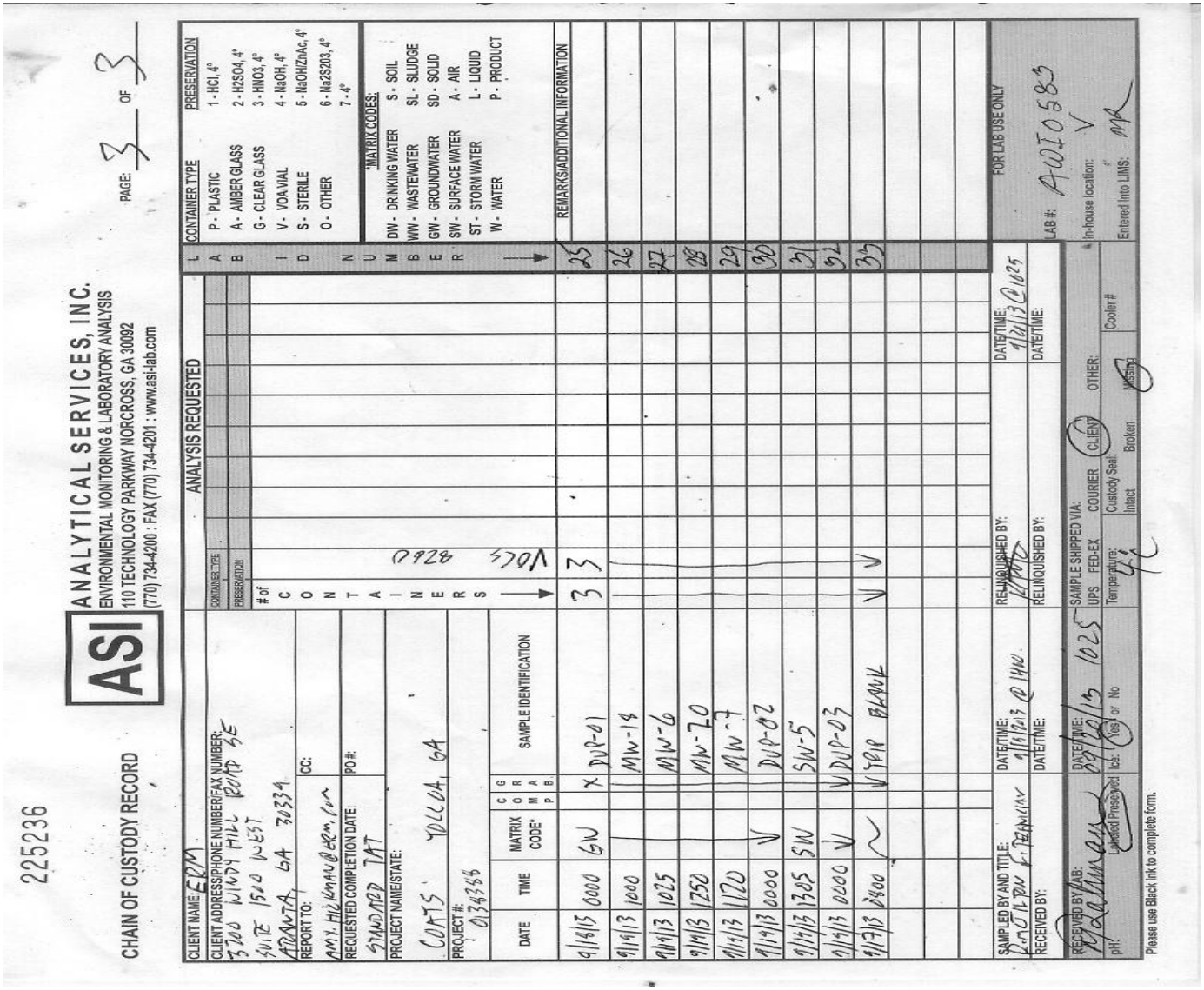
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM

September 26, 2013

3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Adria Reimer



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

LOG-IN CHECKLIST **Printed: 9/26/2013 2:55:57PM**

Attn: Ms. Adria Reimer

Client: ERM
Project: Coats - Toccoa
Date Received: 09/20/13 10:25

Work Order: AWI0583
Logged In By: Mohammad M. Rahman

OBSERVATIONS

#Samples: 33 **#Containers:** 99

Minimum Temp(C): 4.0 **Maximum Temp(C):** 4.0 **Custody Seal(s) Used:** No

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	NO
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	YES
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments:

Appendix D
BIOCHLOR Modeling Electronic Files (on Compact Disc)

Appendix E
BIOCHLOR Modeling Screenshots

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
↑ or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CHLORINATED SOLVENT: Ethenes / Ethanes

1. ADVECTION

Seepage Velocity*	Vs	20.3	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.046	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	50	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	5.E-02	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho		1.7	(kg/L)	
FractionOrganicCarbon, foc		1.0E-3	(-)	
Partition Coefficient	Koc			
PCE			(L/kg)	1.00 (-)
TCE		130	(L/kg)	1.74 (-)
DCE			(L/kg)	1.00 (-)
VC			(L/kg)	1.00 (-)
ETH			(L/kg)	1.00 (-)

Common R (used in model)* = 1.00

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000		0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	60	(yr)
Modeled Area Width*	400	(ft)
Modeled Area Length*	500	(ft)
Zone 1 Length*	500	(ft)
Zone 2 Length*	0	(ft)

L, W

Zone 2= L - Zone 1

6. SOURCE DATA TYPE: Continuous / Single Planar

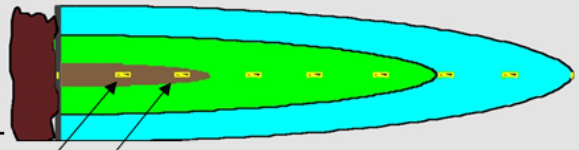
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Y1
Width* (ft) 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.42	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)		
TCE Conc. (mg/L)	.18	.028
DCE Conc. (mg/L)		
VC Conc. (mg/L)		
ETH Conc. (mg/L)		
Distance from Source (ft)	97	454
Date Data Collected	Nov 2011	

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste | Unprotect

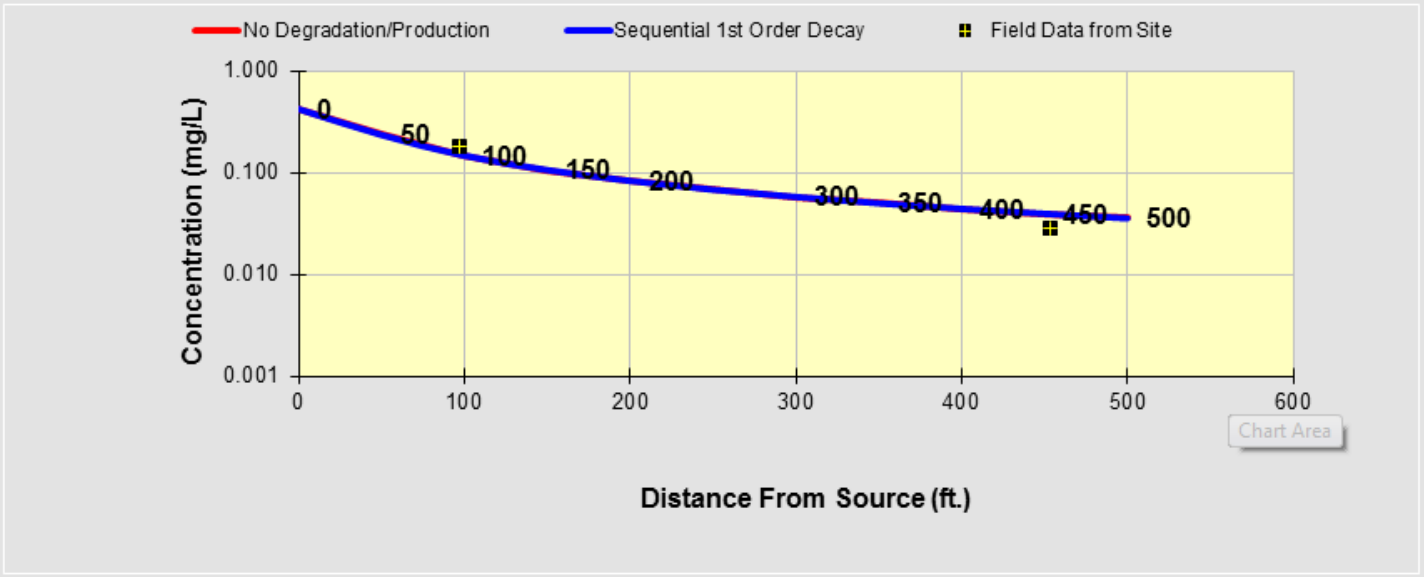
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

TCE	0	50	100	150	200	250	300	350	400	450	500
No Degradation	0.420	0.234	0.146	0.106	0.083	0.068	0.058	0.050	0.044	0.039	0.035
Biotransformation	0.4200	0.234	0.146	0.106	0.083	0.068	0.058	0.050	0.044	0.039	0.035

Monitoring Well Locations (ft)

	97.2	454									
Field Data from Site	0.180	0.028									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

60.0 Years

Log ⟺ Linear

Unprotect Sheet

Return to Input

To All

To Array

ENVIRONMENTAL RESOURCES MANAGEMENT	**NOVEMBER 2011 BIOCHLOR CALIBRATION OUTPUT SCREEN** COATS & CLARK PLANT 1 TOCCOA, GEORGIA	Appendix **E-2**

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
↑ or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CHLORINATED SOLVENT: Ethenes (●) Ethanes ( )

1. ADVECTION C

Seepage Velocity*	Vs	20.7	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.047	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	50	(ft)	Calc. Alpha x
(Alpha y) / (Alpha x)*	0.1	(-)	
(Alpha z) / (Alpha x)*	5.E-02	(-)	

3. ADSORPTION C

Retardation Factor* → R

or

Soil Bulk Density, rho	1.7	(kg/L)	
FractionOrganicCarbon, foc	1.0E-3	(-)	
Partition Coefficient	Koc		
PCE		(L/kg)	1.00 (-)
TCE	130	(L/kg)	1.74 (-)
DCE		(L/kg)	1.00 (-)
VC		(L/kg)	1.00 (-)
ETH		(L/kg)	1.00 (-)
Common R (used in model)* =			**1.74**

4. BIOTRANSFORMATION -1st Order Decay Coefficient* C

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000 ←		0.79
TCE → DCE	0.000 ←		0.74
DCE → VC	0.000 ←		0.64
VC → ETH	0.000 ←		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000 ←	
TCE → DCE	0.000 ←	
DCE → VC	0.000 ←	
VC → ETH	0.000 ←	

λ HELP

5. GENERAL C

Simulation Time*	60	(yr)	L
Modeled Area Width*	400	(ft)	W
Modeled Area Length*	500	(ft)	
Zone 1 Length*	500	(ft)	
Zone 2 Length*	0	(ft)	Zone 2=

6. SOURCE DATA TYPE: Continuous Single Planar

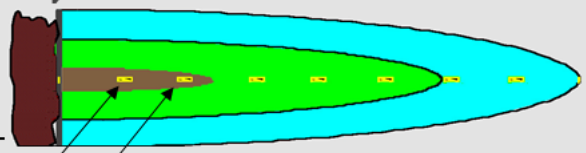
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Width* (ft) Y1: 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.36	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

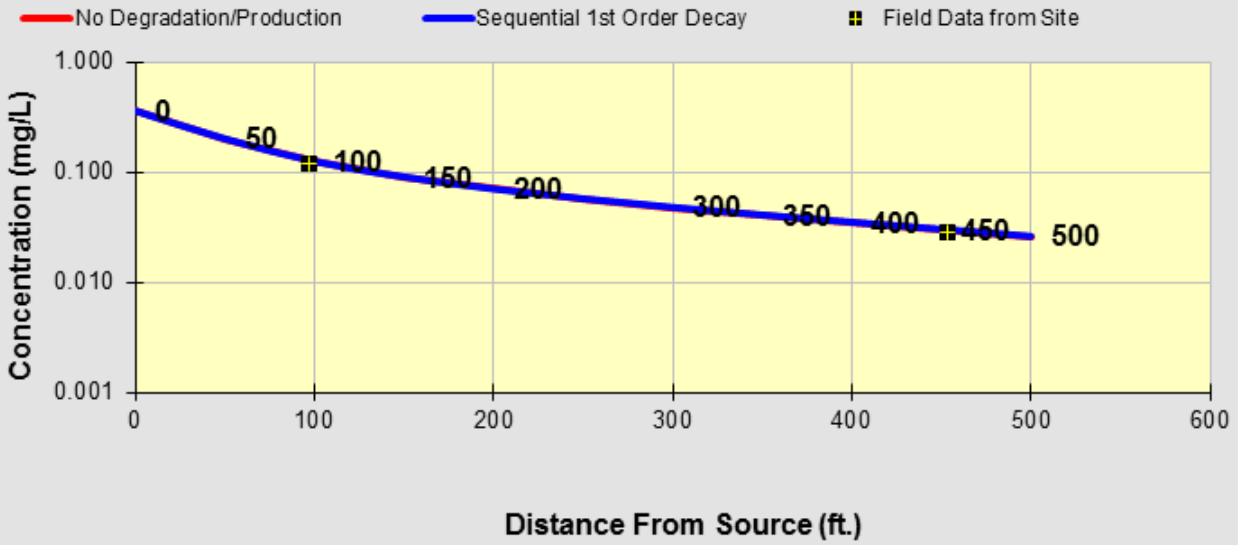
PCE Conc. (mg/L)											
TCE Conc. (mg/L)	.12	.028									
DCE Conc. (mg/L)											
VC Conc. (mg/L)											
ETH Conc. (mg/L)											
Distance from Source (ft)	97	454									
Date Data Collected	March 2012										

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste | Unprotect

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	50	100	150	200	250	300	350	400	450	500
No Degradation	0.360	0.200	0.125	0.090	0.070	0.057	0.048	0.041	0.035	0.030	0.026
Biotransformation	0.3600	0.200	0.125	0.090	0.070	0.057	0.048	0.041	0.035	0.030	0.026
	Monitoring Well Locations (ft)										
	97.2	454									
Field Data from Site	0.120	0.028									



See PCE
See TCE
See DCE
See VC
See ETH

Prepare Animation

Time:
60.0 Years
Log ⟺ Linear

Unprotect Sheet
Return to Input
To All
To Array

ENVIRONMENTAL RESOURCES MANAGEMENT

MARCH 2012 BIOCHLOR VALIDATION OUTPUT SCREEN

COATS & CLARK PLANT 1
TOCCOA, GEORGIA

Appendix
E-4

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:

115 → 1. Enter value directly....or
↑ or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C

(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	20.3	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.046	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	50	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	5.E-02	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)	
FractionOrganicCarbon, foc	1.0E-3	(-)	
Partition Coefficient	Koc		
PCE		(L/kg)	1.00 (-)
TCE	130	(L/kg)	1.74 (-)
DCE		(L/kg)	1.00 (-)
VC		(L/kg)	1.00 (-)
ETH		(L/kg)	1.00 (-)
Common R (used in model)* =			**1.74**

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000 ←		0.79
TCE → DCE	0.000 ←		0.74
DCE → VC	0.000 ←		0.64
VC → ETH	0.000 ←		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000 ←	
TCE → DCE	0.000 ←	
DCE → VC	0.000 ←	
VC → ETH	0.000 ←	

λ HELP

5. GENERAL

Simulation Time*	60	(yr)
Modeled Area Width*	400	(ft)
Modeled Area Length*	500	(ft)
Zone 1 Length*	500	(ft)
Zone 2 Length*	0	(ft)

L, W

Zone 2=

6. SOURCE DATA TYPE: Continuous / Single Planar

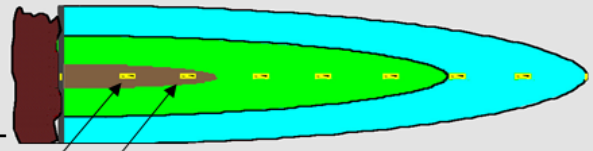
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Y1
Width* (ft) 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.32	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)		
TCE Conc. (mg/L)	.18	.028
DCE Conc. (mg/L)		
VC Conc. (mg/L)		
ETH Conc. (mg/L)		
Distance from Source (ft)	97	454
Date Data Collected	Oct 2012	

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste | Unprotect

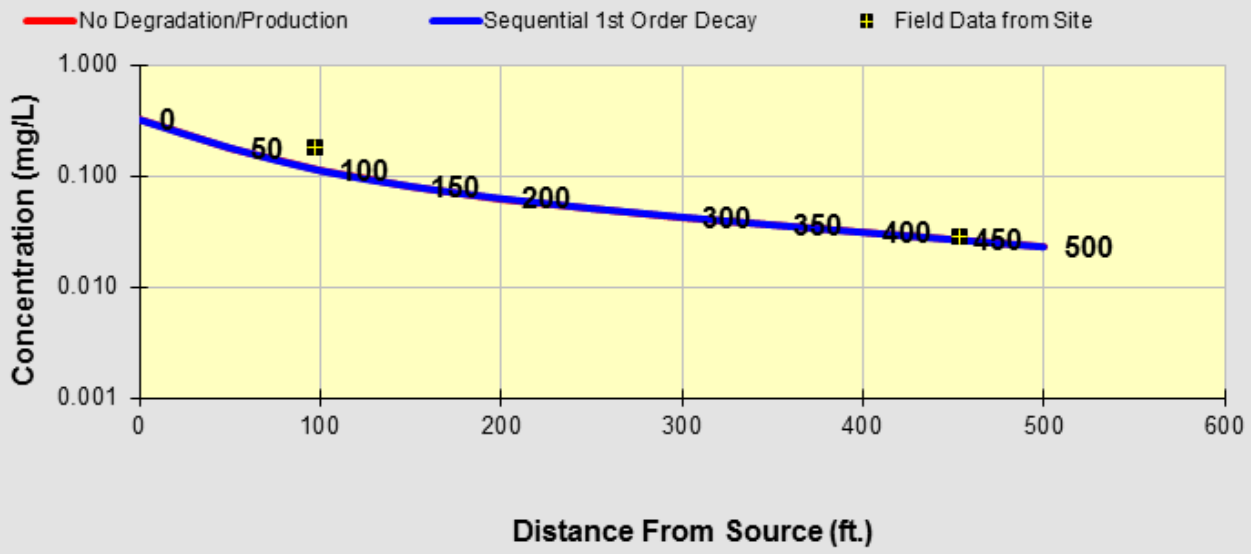
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

TCE	0	50	100	150	200	250	300	350	400	450	500
No Degradation	0.320	0.178	0.111	0.080	0.062	0.051	0.042	0.036	0.031	0.027	0.023
Biotransformation	0.3200	0.178	0.111	0.080	0.062	0.051	0.042	0.036	0.031	0.027	0.023

Monitoring Well Locations (ft)

	97.2	454									
Field Data from Site	0.180	0.028									



See PCE | See TCE | See DCE | See VC | See ETH

Prepare Animation

Time: 60.0 Years

Log ⟺ Linear

Unprotect Sheet | Return to Input | To All | To Array

ENVIRONMENTAL RESOURCES MANAGEMENT

OCTOBER 2012 BIOCHLOR VALIDATION OUTPUT SCREEN

COATS & CLARK PLANT 1
TOCCOA, GEORGIA

Appendix **E-6**

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
↑ or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION C

Seepage Velocity*	Vs	24.7	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.056	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	50	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	5.E-02	(-)

Calc. Alpha x

3. ADSORPTION C

Retardation Factor* → R

or

Soil Bulk Density, rho		1.7	(kg/L)	
FractionOrganicCarbon, foc		1.0E-3	(-)	
Partition Coefficient	Koc			
PCE			(L/kg)	1.00 (-)
TCE	130		(L/kg)	1.74 (-)
DCE			(L/kg)	1.00 (-)
VC			(L/kg)	1.00 (-)
ETH			(L/kg)	1.00 (-)

Common R (used in model)* = 1.74

4. BIOTRANSFORMATION -1st Order Decay Coefficient* C

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000		0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL C

Simulation Time*	60	(yr)
Modeled Area Width*	400	(ft)
Modeled Area Length*	500	(ft)
Zone 1 Length*	500	(ft)
Zone 2 Length*	0	(ft)

L, W

Zone 2=

6. SOURCE DATA TYPE: Continuous / Single Planar

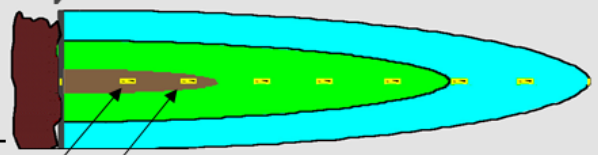
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Y1
Width* (ft) 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.42	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)		
TCE Conc. (mg/L)	.07	.052
DCE Conc. (mg/L)		
VC Conc. (mg/L)		
ETH Conc. (mg/L)		
Distance from Source (ft)	97	454
Date Data Collected	Sept 2013	

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste | Unprotect

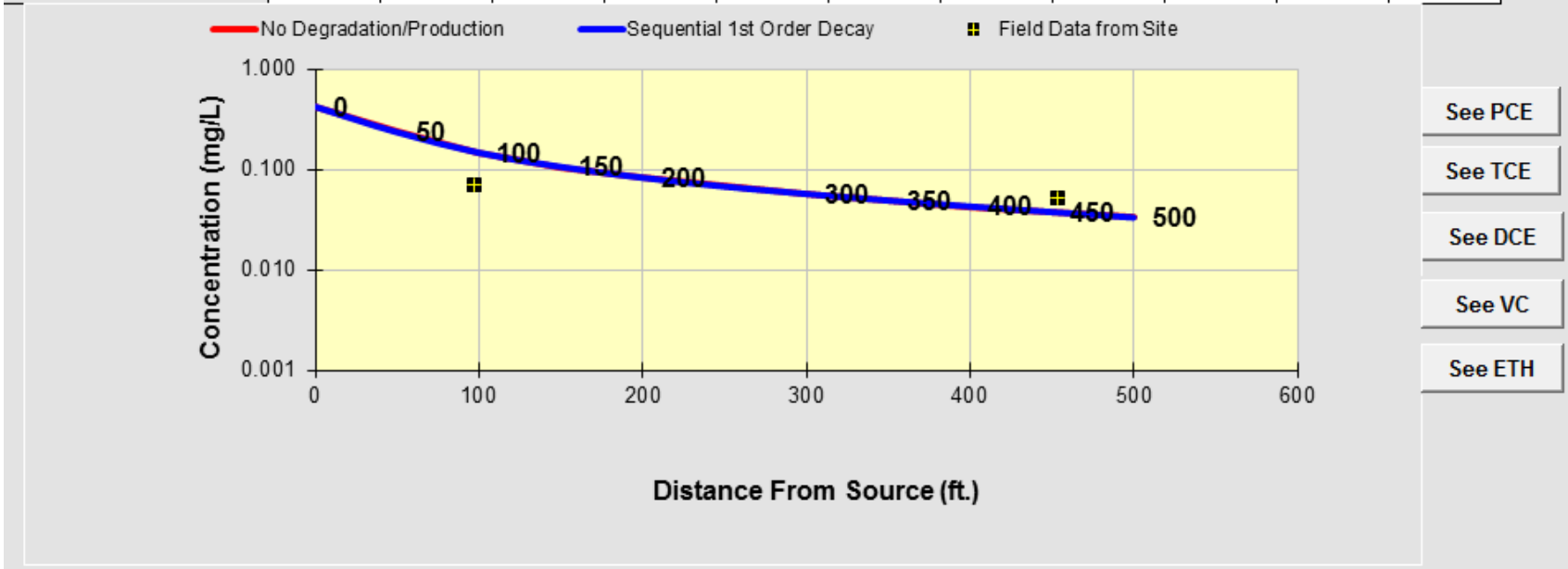
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

TCE	0	50	100	150	200	250	300	350	400	450	500
No Degradation	0.420	0.234	0.146	0.106	0.082	0.067	0.057	0.049	0.043	0.038	0.033
Biotransformation	0.4200	0.234	0.146	0.106	0.082	0.067	0.057	0.049	0.043	0.038	0.033

Monitoring Well Locations (ft)

	97.2	454									
Field Data from Site	0.070	0.052									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

60.0 Years

Log ⟺ Linear

Unprotect Sheet

Return to Input

To All

To Array

ENVIRONMENTAL RESOURCES MANAGEMENT

SEPTEMBER 2013 BIOCHLOR VALIDATION OUTPUT SCREEN

COATS & CLARK PLANT 1
TOCCOA, GEORGIA

Appendix

E-8

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
↑ or 0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	20.7	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.047	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	150	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	5.E-02	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R

or

Soil Bulk Density, rho	1.7	(kg/L)	
FractionOrganicCarbon, foc	1.0E-3	(-)	
Partition Coefficient	Koc		
PCE		(L/kg)	1.00 (-)
TCE	130	(L/kg)	1.74 (-)
DCE		(L/kg)	1.00 (-)
VC		(L/kg)	1.00 (-)
ETH		(L/kg)	1.00 (-)

Common R (used in model)* = 1.74

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000		0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	1000	(yr)
Modeled Area Width*	400	(ft)
Modeled Area Length*	1500	(ft)
Zone 1 Length*	1500	(ft)
Zone 2 Length*	0	(ft)

L, W

Zone 2=

6. SOURCE DATA TYPE: Continuous Single Planar

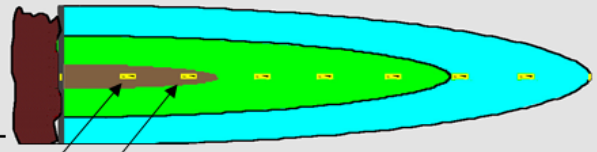
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Width* (ft) Y1: 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.55	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

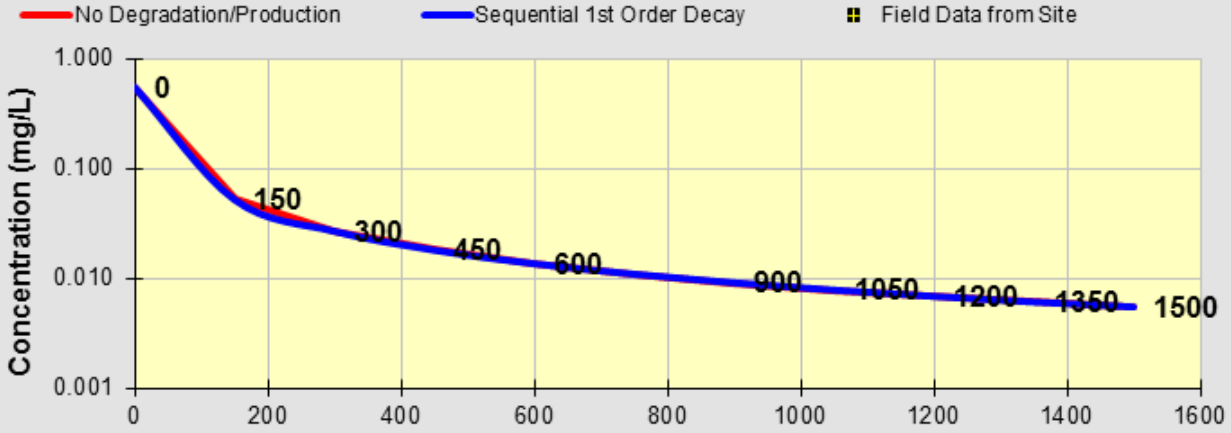
PCE Conc. (mg/L)											
TCE Conc. (mg/L)											
DCE Conc. (mg/L)											
VC Conc. (mg/L)											
ETH Conc. (mg/L)											
Distance from Source (ft)											
Date Data Collected											

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste | Unprotect

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.550	0.052	0.027	0.018	0.014	0.011	0.009	0.008	0.007	0.006	0.005
Biotransformation	0.5500	0.052	0.027	0.018	0.014	0.011	0.009	0.008	0.007	0.006	0.005
	Monitoring Well Locations (ft)										
Field Data from Site											



See PCE | See TCE | See DCE | See VC | See ETH

Prepare Animation

Time: 1,000.0 Years

Log ⟺ Linear

Unprotect Sheet | Return to Input | To All | To Array

ENVIRONMENTAL RESOURCES MANAGEMENT	**BIOCHLOR OUTPUT SCREEN FOR PROTECTION OF GROUND WATER** COATS & CLARK PLANT 1 TOCCOA, GEORGIA	Appendix **E-10**

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
↑ or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation Screening Protocol

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	20.7	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.047	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	24	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	5.E-02	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)	
FractionOrganicCarbon, foc	1.0E-3	(-)	
Partition Coefficient	Koc		
PCE		(L/kg)	1.00 (-)
TCE	130	(L/kg)	1.74 (-)
DCE		(L/kg)	1.00 (-)
VC		(L/kg)	1.00 (-)
ETH		(L/kg)	1.00 (-)
Common R (used in model)* =			**1.74**

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000		0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	1000	(yr)
Modeled Area Width*	400	(ft)
Modeled Area Length*	240	(ft)
Zone 1 Length*	240	(ft)
Zone 2 Length*	0	(ft)

L, W

Zone 2=

6. SOURCE DATA

TYPE: Continuous / Single Planar

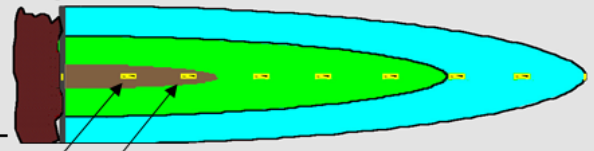
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Y1
Width* (ft) 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.625	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

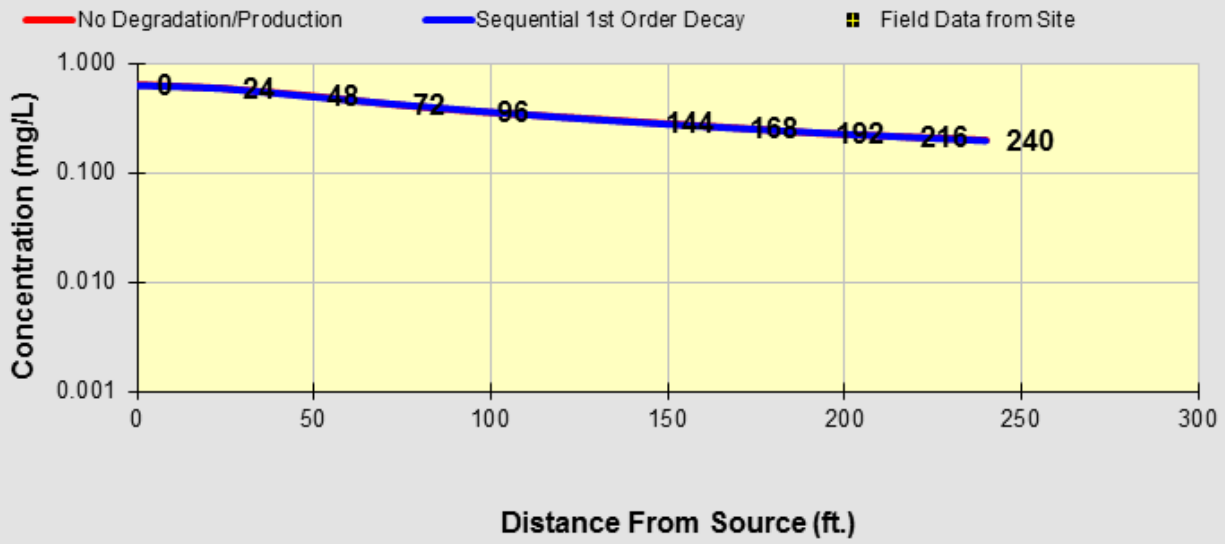
PCE Conc. (mg/L)											
TCE Conc. (mg/L)											
DCE Conc. (mg/L)											
VC Conc. (mg/L)											
ETH Conc. (mg/L)											
Distance from Source (ft)											
Date Data Collected											

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste | Unprotect

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	24	48	72	96	120	144	168	192	216	240
No Degradation	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
Biotransformation	0.6250	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
	Monitoring Well Locations (ft)										
Field Data from Site											



See PCE | See TCE | See DCE | See VC | See ETH

Prepare Animation

Time: 1,000.0 Years

Log ⟺ Linear

Unprotect Sheet | Return to Input | To All | To Array

Appendix F
Proposed Uniform Environmental Covenant

After Recording Return to:

Georgia Environmental Protection Division
Response and Remediation Program
2 Martin Luther King, Jr. Drive, SE
Suite 1462 East
Atlanta, Georgia 30334

Environmental Covenant

This instrument is an Environmental Covenant executed pursuant to the Georgia Uniform Environmental Covenants Act, OCGA § 44-16-1, *et seq.* This Environmental Covenant subjects the Property identified below to the activity and/or use limitations specified in this document. The effective date of this Environmental Covenant shall be the date upon which the fully executed Environmental Covenant has been recorded in accordance with OCGA § 44-16-8(a).

Fee Owner of Property/Grantor:	<Company Name or individual(s)> <Mailing address>
Grantee/Holder:	<Company Name or individual(s)> <Mailing address>
Grantee/Entity with express power to enforce:	State of Georgia Department of Natural Resources Environmental Protection Division 2 Martin Luther King Jr. Drive, SE Suite 1152 East Tower Atlanta, GA 30334
Parties with interest in the Property:	<Company Name or individual(s)> <Mailing address>

Property:

The property subject to this Environmental Covenant is the <property name> (hereinafter "Property"), located on <street address> in <city>, <county name> County, Georgia. This tract of land was conveyed on _____ from ____ to ____ recorded in Deed Book ___, Page ___, <county name> County Records. The area is located in Land Lot _____ of the ___th District of <county name> County, Georgia. <brief description here including acreage> A complete legal description of the area is attached as Exhibit A and a map of the area is attached as Exhibit B.

Tax Parcel Number(s):

<Tax ID parcel number> of <county name> County, Georgia

Name and Location of Administrative Records:

The corrective action at the Property that is the subject of this Environmental Covenant is described in the following document[s]:

- <list documents here>

These documents are available at the following locations:

Georgia Environmental Protection Division
Response and Remediation Program
2 MLK Jr. Drive, SE, Suite 1462 East Tower
Atlanta, GA 30334
M-F 8:00 AM to 4:30 PM excluding state holidays

<list additional locations>

Description of Contamination and Corrective Action:

[This Property has/has not been listed on the state's hazardous site inventory and has been designated as needing corrective action due to the presence of hazardous wastes, hazardous constituents, or hazardous substances regulated under state law. Contact the property owner or the Georgia Environmental Protection Division for further information concerning this Property. This notice is provided in compliance with the Georgia Hazardous Site Response Act.]

This Declaration of Covenant is made pursuant to the Georgia Uniform Environmental Covenants Act, O.C.G.A. § 44-16-1 *et seq*. by <name of Grantor>, its successors and assigns, <name of Grantee/Holder>, and the State of Georgia, Department of Natural Resources, Environmental Protection Division (hereinafter "EPD"), its successors and assigns. This Environmental Covenant is required because a release of <list regulated substances> occurred on the Property. <list regulated substances> are "regulated substances" as defined under the Georgia Hazardous Site Response Act, O.C.G.A. § 12-8-90 *et seq.*, and the rules promulgated thereunder (hereinafter "HSRA" and "Rules", respectively). The Corrective Action consists of the installation and maintenance of engineering controls (<brief description here if appropriate – for example, clay cap and groundwater monitoring system>) and institutional controls (<brief description here if appropriate – for example, limit use to non-residential activities>) to protect human health and the environment.

Grantor, <Name of Grantor> (hereinafter "<company name>"), hereby binds Grantor, its successors and assigns to the activity and use restriction(s) for the Property identified herein and grants such other rights under this Environmental Covenant in favor of the <name of Holder> and EPD. EPD shall have full right of enforcement of the rights conveyed under this Environmental Covenant pursuant to HSRA, O.C.G.A. § 12-8-90 *et seq*., and the rules promulgated thereunder. Failure to timely enforce compliance with this Environmental Covenant or the use or activity limitations contained herein by any person shall not bar subsequent enforcement by such person and shall not be deemed a waiver of the person's right to take action to enforce any non-compliance. Nothing in this Environmental Covenant shall restrict EPD from excising any authority under applicable law.

<Name of Grantor> makes the following declaration as to limitations, restrictions, and uses to which the Property may be put and specifies that such declarations shall constitute covenants to run with the land, pursuant to O.C.G.A. § 44-16-5(a); is perpetual, unless modified or terminated pursuant to the terms of this Covenant pursuant to O.C.G.A. § 44-16-9; and shall be binding on all parties and all persons claiming under them, including all current and future owners of any portion of or interest in the Property (hereinafter "Owner"). Should a transfer or sale of the Property occur before such time as this

Environmental Covenant has been amended or revoked then said Environmental Covenant shall be binding on the transferee(s) or purchaser(s).

The Environmental Covenant shall inure to the benefit of <name of Holder>, EPD, <name of Grantor> and their respective successors and assigns and shall be enforceable by the Director or his agents or assigns, <name of Holder> or its successors and assigns, <name of Grantor> or its successors and assigns, and other party(ies) as provided for in O.C.G.A. § 44-16-11 in a court of competent jurisdiction.

Activity and/or Use Limitation(s)

1. Registry. Pursuant to O.C.G.A. § 44-16-12, this Environmental Covenant and any amendment or termination thereof, may be contained in EPD's registry for environmental covenants.

2. Notice. The Owner of the Property must give thirty (30) day advance written notice to EPD of the Owner's intent to convey any interest in the Property. No conveyance of title, easement, lease, or other interest in the Property shall be consummated by the Owner without adequate and complete provision for continued monitoring, operation, and maintenance of the Corrective Action.

3. Notice of Limitation in Future Conveyances. Each instrument hereafter conveying an interest in the Property subject to this Environmental Covenant shall contain a notice of the activity and use limitations set forth in this Environmental Covenant and shall provide the recorded location of the Environmental Covenant.

4. Groundwater Limitation. The use or extraction of groundwater beneath the Property for drinking water or for any other non-remedial purposes shall be prohibited.

5. Permanent Markers. Permanent markers on one side of the Property shall be installed and maintained that delineate the restricted area as specified in Section 391-3-19-.07(10) of the Rules. Disturbance or removal of such markers is prohibited.

6. Right of Access. In addition to any rights already possessed by EPD and/or the <name of Holder>, the Owner shall allow authorized representatives of EPD and/or <name of Holder> the right to enter the Property at reasonable times for the purpose of evaluating the Corrective Action; to take samples, to inspect the Corrective Action conducted at the Property, to determine compliance with this Environmental Covenant, and to inspect records that are related to the Corrective Action.

7. Recording of Environmental Covenant and Proof of Notification. Within thirty (30) days after the date of the Director's signature, the Owner shall file this Environmental Covenant with the Recorders of Deeds for each County in which the Property is located, and send a file stamped copy of this Environmental Covenant to EPD within thirty (30) days of recording. Within that time period, the Owner shall also send a file-stamped copy to each of the following: (1) <name of Holder>, (2) each person holding a recorded interest in the Property subject to the covenant, (3) each person in possession of the real property subject to the covenant, (4) each municipality, county, consolidated government, or other unit of local government in which real property subject to the covenant is located, and (5) each owner in fee simple whose property abuts the property subject to the Environmental Covenant.

8. Termination or Modification. The Environmental Covenant shall remain in full force and effect in accordance with O.C.G.A. § 44-5-60, unless and until the Director determines that the Property is in compliance with the Type 1, 2, 3, or 4 Risk Reduction Standards, as defined in Georgia Rules of Hazardous Site Response (Rules) Section 391-3-19-.07 and removes the Property from the Hazardous Site Inventory, whereupon the Environmental Covenant may be amended or revoked in accordance with Section 391-3-19-08(7) of the Rules and O.C.G.A. § 44-16-1 *et seq*.

9. Severability. If any provision of this Environmental Covenant is found to be unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions shall not in any way be affected or impaired.

10. No Property Interest Created in EPD. This Environmental Covenant does not in any way create any interest by EPD in the Property that is subject to the Environmental Covenant. Furthermore, the act of approving this Environmental Covenant does not in any way create any interest by EPD in the Property in accordance with O.C.G.A. § 44-16-3(b).

Representations and Warranties.

Grantor hereby represents and warrants to the other signatories hereto:

a) That the Grantor has the power and authority to enter into this Environmental Covenant, to grant the rights and interests herein provided and to carry out all obligations hereunder;
b) That the Grantor is the sole owner of the Property and holds fee simple title which is free, clear and unencumbered;
c) That the Grantor has identified all other parties that hold any interest (e.g., encumbrance) in the Property and notified such parties of the Grantor's intention to enter into this Environmental Covenant;
d) That this Environmental Covenant will not materially violate, contravene, or constitute a material default under any other agreement, document or instrument to which Grantor is a party, by which Grantor may be bound or affected;
e) That the Grantor has served each of the people or entities referenced in Activity 10 above with an identical copy of this Environmental Covenant in accordance with O.C.G.A. § 44-16-4(d).
f) That this Environmental Covenant will not materially violate or contravene any zoning law or other law regulating use of the Property; and
g) That this Environmental Covenant does not authorize a use of the Property that is otherwise prohibited by a recorded instrument that has priority over the Environmental Covenant.

Notices.

Any document or communication required to be sent pursuant to the terms of this Environmental Covenant shall be sent to the following persons:

Georgia Environmental Protection Division
Branch Chief
Land Protection Branch
2 Martin Luther King Jr. Drive SE
Suite 1154 East Tower
Atlanta, GA 30334

<name and mailing address of Holder>

Grantor has caused this Environmental Covenant to be executed pursuant to The Georgia Uniform Environmental Covenants Act, on the _____ day of _____, 20___.

<NAME OF GRANTOR>

_____

[Name of Signatory]
[Title]

Dated: _____

<NAME OF HOLDER>

_____
[Name of Person Acknowledging Receipt]
[Title]

Dated: _____

STATE OF GEORGIA
ENVIRONMENTAL PROTECTION DIVISION

_____
[Name of Person Acknowledging Receipt]
[Title]

Dated: _____

[INDIVIDUAL ACKNOWLEDGMENT]

STATE OF _____
COUNTY OF _____

On this _____ day of _____, 20__, I certify that _____ personally appeared before me, and acknowledged that **he/she** is the individual described herein and who executed the within and foregoing instrument and signed the same at **his/her** free and voluntary act and deed for the uses and purposes therein mentioned.

_____
Notary Public in and for the State of
Georgia, residing at _____.
My appointment expires_____.

[CORPORATE ACKNOWLEDGMENT]

STATE OF _____
COUNTY OF _____

On this _____ day of _____, 20__, I certify that _____ personally appeared before me, acknowledged that **he/she** is the _____ of the corporation that executed the within and foregoing instrument, and signed said instrument by free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that **he/she** was authorized to execute said instrument for said corporation.

_____
Notary Public in and for the State of
Georgia, residing at _____.
My appointment expires_____.

[REPRESENTATIVE ACKNOWLEDGEMENT]

STATE OF _____
COUNTY OF _____

On this _____ day of _____, 20__, I certify that _____ personally appeared before me, acknowledged that **he/she** signed this instrument, on oath stated that **he/she** was authorized to execute this instrument, and acknowledged it as the _____ [type of authority] of _____ [name of party being represented] to be the free and voluntary act and deed of such party for the uses and purposes mentioned in the instrument.

_____
Notary Public in and for the State of
Georgia, residing at _____.
My appointment expires _____.

Exhibit A
Legal Description

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	20.3	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.046	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	50	(ft)	Calc.
(Alpha y) / (Alpha x)*	0.1	(-)	
(Alpha z) / (Alpha x)*	5.E-02	(-)	

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	1.0E-3	(-)		
Partition Coefficient	Koc			
PCE		(L/kg)	1.00	(-)
TCE	130	(L/kg)	1.74	(-)
DCE		(L/kg)	1.00	(-)
VC		(L/kg)	1.00	(-)
ETH		(L/kg)	1.00	(-)
Common R (used in model)* =			**1.00**	

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000		0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	60	(yr)	
Modeled Area Width*	400	(ft)	
Modeled Area Length*	500	(ft)	
Zone 1 Length*	500	(ft)	
Zone 2 Length*	0	(ft)	Zone 2= L - Zone 1

6. SOURCE DATA TYPE: Continuous Single Planar

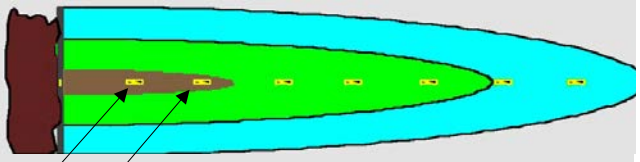
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Width* (ft) Y1: 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.42	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)											
TCE Conc. (mg/L)	.18	.028									
DCE Conc. (mg/L)											
VC Conc. (mg/L)											
ETH Conc. (mg/L)											
Distance from Source (ft)	97	454									
Date Data Collected	Nov 2011										

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESE | SEE | Paste

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	20.7	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.047	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	50	(ft)	Calc.
(Alpha y) / (Alpha x)*	0.1	(-)	
(Alpha z) / (Alpha x)*	5.E-02	(-)	

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	1.0E-3	(-)		
Partition Coefficient	Koc			
PCE		(L/kg)	1.00	(-)
TCE	130	(L/kg)	1.74	(-)
DCE		(L/kg)	1.00	(-)
VC		(L/kg)	1.00	(-)
ETH		(L/kg)	1.00	(-)
Common R (used in model)* =			**1.74**	

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000		0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	60	(yr)	
Modeled Area Width*	400	(ft)	
Modeled Area Length*	500	(ft)	
Zone 1 Length*	500	(ft)	
Zone 2 Length*	0	(ft)	Zone 2=

6. SOURCE DATA TYPE: Continuous Single Planar

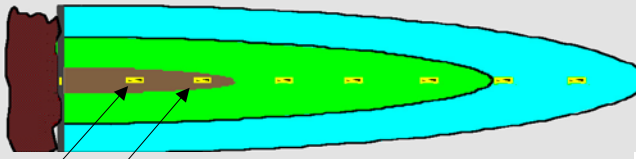
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Width* (ft) Y1: 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.36	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)											
TCE Conc. (mg/L)	.12	.028									
DCE Conc. (mg/L)											
VC Conc. (mg/L)											
ETH Conc. (mg/L)											
Distance from Source (ft)	97	454									
Date Data Collected	March 2012										

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESE | SEE | Paste

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	20.3	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.046	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	50	(ft)	Calc.
(Alpha y) / (Alpha x)*	0.1	(-)	
(Alpha z) / (Alpha x)*	5.E-02	(-)	

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	1.0E-3	(-)		
Partition Coefficient	Koc			
PCE		(L/kg)	1.00	(-)
TCE	130	(L/kg)	1.74	(-)
DCE		(L/kg)	1.00	(-)
VC		(L/kg)	1.00	(-)
ETH		(L/kg)	1.00	(-)
Common R (used in model)* =			**1.74**	

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000		0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	60	(yr)	
Modeled Area Width*	400	(ft)	
Modeled Area Length*	500	(ft)	
Zone 1 Length*	500	(ft)	
Zone 2 Length*	0	(ft)	Zone 2=

6. SOURCE DATA TYPE: Continuous Single Planar

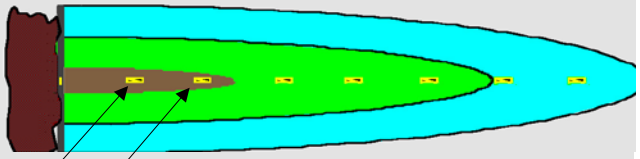
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Width* (ft) Y1: 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.32	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)		
TCE Conc. (mg/L)	.18	.028
DCE Conc. (mg/L)		
VC Conc. (mg/L)		
ETH Conc. (mg/L)		
Distance from Source (ft)	97	454
Date Data Collected	Oct 2012	

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESE | SEE | Paste

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	24.7	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.056	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	50	(ft)	Calc.
(Alpha y) / (Alpha x)*	0.1	(-)	
(Alpha z) / (Alpha x)*	5.E-02	(-)	

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	1.0E-3	(-)		
Partition Coefficient	Koc			
PCE		(L/kg)	1.00	(-)
TCE	130	(L/kg)	1.74	(-)
DCE		(L/kg)	1.00	(-)
VC		(L/kg)	1.00	(-)
ETH		(L/kg)	1.00	(-)
Common R (used in model)* =			**1.74**	

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000		0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	60	(yr)	
Modeled Area Width*	400	(ft)	
Modeled Area Length*	500	(ft)	
Zone 1 Length*	500	(ft)	
Zone 2 Length*	0	(ft)	Zone 2=

6. SOURCE DATA TYPE: Continuous Single Planar

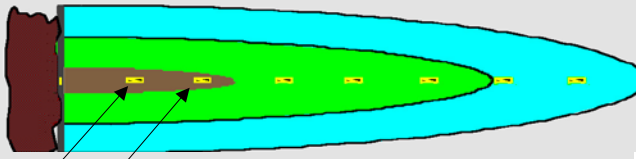
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Width* (ft) Y1: 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.42	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)											
TCE Conc. (mg/L)	.07	.052									
DCE Conc. (mg/L)											
VC Conc. (mg/L)											
ETH Conc. (mg/L)											
Distance from Source (ft)	97	454									
Date Data Collected	Sept 2013										

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESE | SEE | Paste

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	24.7	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.056	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	50	(ft)	Calc.
(Alpha y) / (Alpha x)*	0.1	(-)	
(Alpha z) / (Alpha x)*	5.E-02	(-)	

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	1.0E-3	(-)		
Partition Coefficient	Koc			
PCE		(L/kg)	1.00	(-)
TCE	130	(L/kg)	1.74	(-)
DCE		(L/kg)	1.00	(-)
VC		(L/kg)	1.00	(-)
ETH		(L/kg)	1.00	(-)
Common R (used in model)* =			**1.74**	

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000		0.79
TCE → DCE	0.000		0.74
DCE → VC	0.000		0.64
VC → ETH	0.000		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000	
TCE → DCE	0.000	
DCE → VC	0.000	
VC → ETH	0.000	

λ HELP

5. GENERAL

Simulation Time*	60	(yr)	
Modeled Area Width*	400	(ft)	
Modeled Area Length*	500	(ft)	
Zone 1 Length*	500	(ft)	
Zone 2 Length*	0	(ft)	Zone 2=

6. SOURCE DATA TYPE: Continuous Single Planar

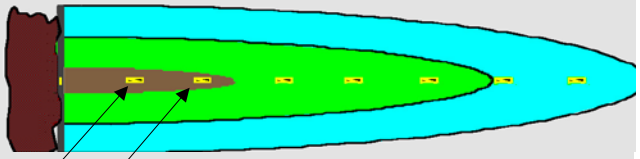
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Width* (ft) Y1: 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.42	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

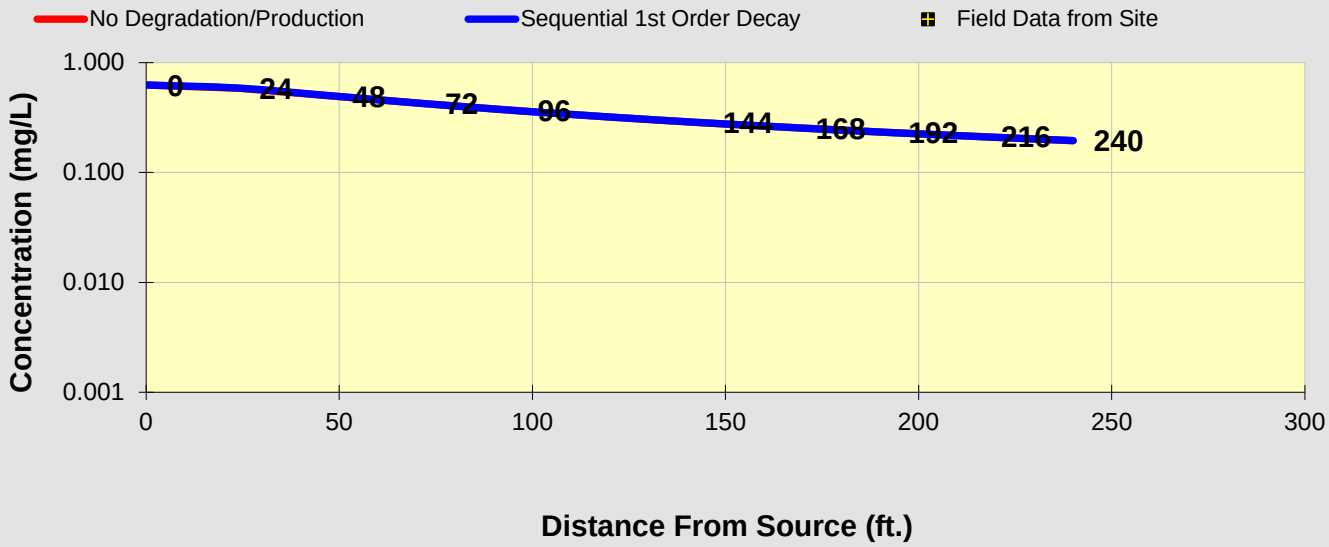
PCE Conc. (mg/L)											
TCE Conc. (mg/L)	.07	.052									
DCE Conc. (mg/L)											
VC Conc. (mg/L)											
ETH Conc. (mg/L)											
Distance from Source (ft)	97	454									
Date Data Collected	Sept 2013										

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESE | SEE | Paste

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	24	48	72	96	120	144	168	192	216	240
No Degradation	0.625	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
Biotransformation	0.6250	0.585	0.498	0.423	0.365	0.320	0.284	0.255	0.231	0.212	0.195
	Monitoring Well Locations (ft)										
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

1,000.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

Coats Doyle Street
Toccoa, GA
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in gray cells. Press Enter, then C
(To restore formulas, hit "Restore Formulas" button)
Variable* → Data used directly in model.

Test if Biotransformation is Occurring → Natural Attenuation

TYPE OF CHLORINATED SOLVENT: Ethenes ◉ Ethanes ○

1. ADVECTION

Seepage Velocity*	Vs	20.7	(ft/yr)
or			
Hydraulic Conductivity	K	1.3E-04	(cm/sec)
Hydraulic Gradient	i	0.047	(ft/ft)
Effective Porosity	n	0.3	(-)

2. DISPERSION

Alpha x*	150	(ft)	Calc.
(Alpha y) / (Alpha x)*	0.1	(-)	
(Alpha z) / (Alpha x)*	5.E-02	(-)	

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	1.0E-3	(-)		
Partition Coefficient	Koc			
PCE		(L/kg)	1.00	(-)
TCE	130	(L/kg)	1.74	(-)
DCE		(L/kg)	1.00	(-)
VC		(L/kg)	1.00	(-)
ETH		(L/kg)	1.00	(-)
Common R (used in model)* =			**1.74**	

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.000 ←		0.79
TCE → DCE	0.000 ←		0.74
DCE → VC	0.000 ←		0.64
VC → ETH	0.000 ←		0.45

Zone 2	λ (1/yr)	half-life (yrs)
PCE → TCE	0.000 ←	
TCE → DCE	0.000 ←	
DCE → VC	0.000 ←	
VC → ETH	0.000 ←	

λ HELP

5. GENERAL

Simulation Time*	1000	(yr)	
Modeled Area Width*	400	(ft)	
Modeled Area Length*	1500	(ft)	
Zone 1 Length*	1500	(ft)	
Zone 2 Length*	0	(ft)	Zone 2=

6. SOURCE DATA TYPE: Continuous Single Planar

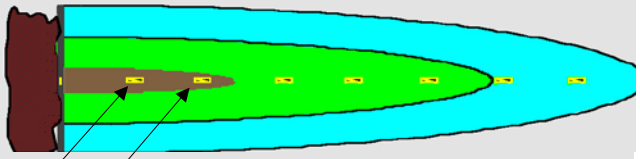
Source Options

Source Thickness in Sat. Zone* 25 (ft)

Width* (ft) Y1: 40

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE		0
TCE	.55	0
DCE		0
VC		0
ETH		0

Vertical Plane Source: Determine Source Well Location and Input Solvent Concentrations



View of Plume Looking Down

Observed Centerline Conc. at Monitoring Wells

7. FIELD DATA FOR COMPARISON

PCE Conc. (mg/L)											
TCE Conc. (mg/L)											
DCE Conc. (mg/L)											
VC Conc. (mg/L)											
ETH Conc. (mg/L)											
Distance from Source (ft)											
Date Data Collected											

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESE | *SEE* | Paste