VOLUNTARY REMEDIATION PROGRAM COMPLIANCE STATUS REPORT

139 Brampton Road
Savannah, Chatham County, Georgia
HSI Site No. 10208

Prepared for Submission to:

Georgia Department of Natural Resources
Hazardous Waste Management Branch
Suite 1462, East Tower
2 Martin Luther King Jr. Drive SE
Atlanta, Georgia 30334

Prepared by:

Amec Foster Wheeler Environment & Infrastructure, Inc.
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Atlanta, Georgia

November 4, 2016

Amec Foster Wheeler Project No. 6121-09-0220

November 4, 2016

Mr. Jason Metzger
Program Manager, Hazardous Sites Response and Remediation
Georgia Department of Natural Resources
Hazardous Waste Management Branch
Suite 1054, East Tower
2 Martin Luther King Jr. Drive SE
Atlanta, Georgia 30334

Subject: **Voluntary Remediation Plan Compliance Status Report**
139 Brampton Road
Savannah, Chatham County, Georgia
HSI Site No. 10208

Dear Mr. Metzger:

On behalf of Dale Hendrix, Sr., Trustee under Trust for Benefit of Brenda Heisey, and Rheem Manufacturing Company, Amec Foster Wheeler Environment & Infrastructure, Inc. respectfully submits this Voluntary Remediation Plan Compliance Status Report (CSR) for the subject property in the Georgia Voluntary Remediation Program (VRP). This CSR documents the delineation of soil conditions to the appropriate risk reduction standards and summarizes the current status of groundwater conditions at the subject site.

This CSR is submitted in lieu of the Ninth Semi-Annual Progress Report to begin the process of removing the subject site from the Hazardous Site Inventory (HSI). It is our intent to suspend further activities under the VRP pending EPD's decision regarding removal of the subject property from the HSI. Please contact Chuck Ferry at 404-873-4761 with any questions you may have regarding this submittal.

Sincerely,

Amec Foster Wheeler Environment & Infrastructure, Inc.

Stephen R. Foley, P.G.
Senior Geologist

Charles T. Ferry, P.E.
Senior Principal Engineer

cc: Ms. Hollister A. Hill, Troutman Sanders, LLP
Mr. Scott Bates, Rheem Manufacturing Company
Mr. Dwight Feemster, Duffy & Feemster, LLC

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CERTIFICATION STATEMENT

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 of this report with respect to the Rules for Hazardous Site Response, Rule 391-3-19-.07, I have determined that the properties affected by the release comply with the following risk reduction standards (RRS):

The subject Property complies with the Type 4 RRS for lead in soil. The subject Property complies with the Type 5 RRS for VOCs in soil and the Type 5 RRS for all constituents in groundwater subject to the execution of an Environmental Covenant.

The McDonald Ventures property complies with the Type 2 RRS mean for lead in soil. The McDonald Ventures property complies with Type 1 or 2 RRS for all constituents in groundwater.

The Norfolk Southern property complies with the Type 2 RRS mean for lead in soil. The Norfolk Southern property complies with the Type 5 RRS for all constituents in groundwater subject to continued monitoring under the Property's Environmental Covenant.

L. Dale Hendrix 11/2/16

By Mr. L. Dale Hendrix Trustee for F/B/O Brenda Heisey Date

GROUNDWATER SCIENTIST STATEMENT

I certify that I am a qualified groundwater scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared in conjunction with others working under my direction.

Mr. Stephen R. Foley, P.G.
Georgia Registration No. 1057



1.0 INTRODUCTION

This Compliance Status Report (CSR) has been prepared by Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) for the 139 Brampton Road property in Savannah, Georgia ("Property"). The Property is an approximately 11.1-acre parcel of land, identified on the Chatham County Tax Assessor's website as Tax Parcel IDs 1-0720-01-002. The Property is just over one mile west of the Savannah River, and is commercially developed with various structures which are currently leased for warehousing and for office space. Since January 15, 1980 the Property has been owned by the Trustee under Trust for Benefit of Brenda Heisey. A warranty deed with a legal description of the Property and tax plat map are included in Appendix A. Refer to Figure 1 for a Property location map. An aerial photograph of the Property and surrounding area is included as Figure 2. Adjacent property owners affected by the release at the subject Property are also shown on Figure 2, which include McDonald Ventures, LLC to the north and Norfolk Southern Railway Company to the south and east.

Historically, the Property appears to have been initially developed in the early 1960s by Savannah Steel Drum for the reconditioning and manufacturing of drums. Savannah Steel Drum operated the facility from 1963 until it was leased to Rheem Manufacturing Company (Rheem) in 1968. Rheem operated the facility in a similar manner until 1974 when Rheem ended its drum reconditioning activities and solely manufactured new drums until 1987. Georgia Drum leased the Property in 1987 and used the facility to manufacture new drums until 1994 when the Property was leased to Seaport Terminals of Georgia for warehousing and office space. Since 1994, use as a product warehouse has continued through several other commercial tenants including: Full Armor Transport, Quipco, Landmark Trucking Co. and Savannah Reload. Currently the facility warehouses wood construction products and paper products.

On August 10, 2010, Mr. Tyler Boyles of MACTEC Engineering and Consulting, Inc. (predecessor by merger to Amec Foster Wheeler) conducted a property visit and met with Mr. Dale Hendrix, Trustee Owner and Mr. Billy Groves with Savannah Reload, the tenant. According to Mr. Groves, Savannah Reload receives shipments of wood, construction and paper products by rail and in sea-land containers. The products are unloaded and stored on-site until they are transported by truck. Periodic site visits by Amec Foster Wheeler personnel since that time have confirmed similar activities.

The Property has been the subject of a number of environmental assessments conducted between 1985 and 2009 (when the Property entered the VRP) which revealed the presence of

volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and metals in soil and groundwater. The Property was listed on the Hazardous Site Inventory in June 1994 as site number 10208 due to the presence of lead in soil and tetrachloroethene (PCE) in groundwater.

1.1 PREVIOUS ASSESSMENTS

This CSR is based at least partly on information obtained from the following assessment reports and other documents.

- Preliminary Assessment, prepared by Georgia EPD for U.S. EPA, dated September 1985.
- Report of Environmental Site Assessment, prepared by Dames & Moore at the time of the lease to Georgia Drum, dated December 7, 1987.
- Preliminary Reassessment, prepared by NUS Corporation for U.S. EPA, dated May 1988.
- Site Investigation, prepared by Georgia EPD for U.S. EPA, dated September 1988.
- Georgia Drum Underground Storage Tank Corrective Action Plan, prepared by EMC Engineering Services, Inc. for Georgia Drum in March 1993.
- Letter by Georgia EPD to the responsible parties, Listing of the 139 Brampton Road property on the Hazardous Site Inventory, dated June 29, 1994.
- HSRP Release Notification, submitted by Mr. Dale Hendrix (Trustee), dated August 12, 1994.
- Letter by Georgia EPD to Mr. Dale Hendrix (Trustee), requesting Compliance Status Report, dated January 26, 1995.
- Letter by Georgia EPD to Mr. Dale Hendrix (Trustee), Reclassified Site to Class 1 and Proposed Consent Order, dated August 14, 1995.
- Letter requesting the site be “delisted” from the Hazardous Site Inventory, prepared by Golder Associates, Inc. for Adams & Ellis, former attorneys for Mr. Dale Hendrix (Trustee), dated March 13, 1996.
- Georgia EPD internal memorandum in response to request for “delisting,” dated April 4, 1996.
- Letter by Georgia EPD to Mr. Dale Hendrix (Trustee), Notice of Violation, dated July 9, 1996.
- Letter by Georgia EPD to Adams & Ellis, former attorneys for Mr. Dale Hendrix (Trustee), rejected “delisting” request, dated July 17, 1996.
- Brampton Road Additional Information and Revised Scope of Work for the Compliance Status Report, prepared by Golder Associates, Inc., dated October 3, 1996.
- Administrative Order No. EPD-HSR-038 issued by Georgia EPD to responsible parties, dated January 10, 1997.
- Letter by responsible parties complying with Administrative Order No. EPD-HSR-038, dated January 27, 1997.

- Compliance Status Report, prepared by Golder Associates, Inc. for Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company, dated June 9, 1997.
- Addendum to the Compliance Status Report, prepared by Golder Associates, Inc. for Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company, dated July 1, 1998.
- Letter by Georgia EPD to Mr. Dale Hendrix (Trustee), Notice of Deficiency following review of Compliance Status Report, dated April 7, 1999.
- Revised Compliance Status Report and Corrective Action Plan, prepared by Golder Associates, Inc. for Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company, dated May 11, 2000.
- Letter by Georgia EPD to Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company, Notice of Deficiency following review of Compliance Status Report and Corrective Action Plan, dated May 3, 2001.
- Grounds for Exception to the Notice of Deficiency and Proposal for Additional Investigation, prepared by Golder Associates, Inc. for Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company, dated May 22, 2001.
- Response to requirements of Notice of Deficiency and August 9, 2001 meeting, prepared by Golder Associates, Inc. for Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company, dated August 22, 2001.
- Letter by Georgia EPD to Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company, Final Determination to Notice of Deficiency for the Revised Compliance Status Report and Corrective Action Plan, dated February 19, 2009.
- Summary of Monitoring Well Reconnaissance, prepared by S&ME, Inc., for EnviroVac, dated April 6, 2009.
- Corrective Action Plan and Response to Final Determination Notice of Deficiency, prepared by MACTEC Engineering and Consulting, Inc. for Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company, dated June 29, 2009.
- Voluntary Remediation Plan pursuant to Georgia Voluntary Remediation Program Act, prepared by MACTEC Engineering and Consulting, Inc. for Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company, dated June 29, 2009, resubmitted December 13, 2010.
- Voluntary Remediation Program Semi-Annual Progress Report Nos. 1-8, Prepared by Amec Foster Wheeler for Mr. Dale Hendrix (Trustee) and Rheem Manufacturing Company submitted on a semi-annual basis between October 2012 and April 2015.

1.2 REGULATORY BACKGROUND

In 1985 the U.S. Environmental Protection Agency (EPA) Superfund Program evaluated the Property using the Hazard Ranking System (HRS) for listing on the National Priority List (NPL). A Preliminary Assessment (PA) screening was performed at the Property in 1985 by the Georgia EPD and the findings were reassessed in 1988 by NUS Corporation to determine if further investigation was warranted. The U.S. EPA determined that additional assessment was necessary as a result of the findings from the PA. As such, the Georgia EPD performed a Site

Inspection (SI) in 1988 which consisted of a limited assessment of on-site soils and collection of groundwater samples from an on-site production well, as well as an off-site private drinking water well located approximately 1.5 miles to the southwest of the site and a Garden City public supply well. The results of the limited soil testing revealed lead at a concentration of 1,300 milligrams per kilogram (mg/kg) in a composite surface sample. No impacts of regulated constituents were detected in the three well water samples tested by Georgia EPD. Upon completion of the SI, the U.S. EPA determined that the release to soil and groundwater at the Property did not qualify for listing on the NPL and the Property was reclassified as No Further Remedial Action Planned (NFRAP).

Unrelated to the U.S. EPA site evaluation, Dames and Moore performed a limited environmental investigation in November 1987 as part of a potential property lease transaction. The limited environmental investigation consisted of collecting twenty-six soil samples and six groundwater samples from fifteen environmental borings, as well as three surface soil samples from a drainage ditch located on the southeastern edge of the property. A number of volatile organic compounds (VOCs), metals and petroleum constituents were detected in the soil and groundwater samples, and various metals were detected in the three surface soil samples.

According to the Dames and Moore Site Assessment Report dated December 7, 1987, eight underground storage tanks (USTs) were present at the Property in 1987, including: three diesel tanks at 4,000 gallons, three solvent tanks at 5,000 gallons, one diesel tank at 8,000 gallons and one oil tank at 3,000 gallons. Property records indicate the three 5,000-gallon tanks and one 3,000-gallon tank were removed in early 1988 and the remaining four tanks were removed in mid 1992 along with approximately 200 cubic yards of impacted soil. The Georgia USTMP was notified of a release during the UST removal activities on June 11, 1992. Following the reported release to the USTMP, EMC Engineering Services, Inc., (EMC) prepared a UST Corrective Action Plan and Addendum to the Corrective Action Plan in 1993 for Georgia Drum. Results of EMC's UST investigation were provided to the Georgia Hazardous Site Response Group.

In June 1994, the Georgia EPD evaluated the soil and groundwater data from the November 1987 Dames and Moore investigation and the 1988 Site Investigation as part of the Hazardous Site Response Act using the Reportable Quantity Screening Method (RQSM). The Georgia EPD listed the Property on the Hazardous Site Inventory (HSI) as site number 10208 due to the presence of lead in soil and tetrachloroethene in groundwater at levels exceeding a reportable quantity.

On behalf of the responsible parties, Golder Associates performed numerous environmental investigations as follow-up to the Property being listed on the HSI. The results of these investigations were documented in various submittals to the Georgia EPD and are summarized herein.

On June 22, 2009, an application to the Georgia Voluntary Remediation Program (VRP) was submitted to EPD. Although EPD was unable to accept the Property into the VRP at that time, the application was resubmitted on December 13, 2010 and the Property was subsequently admitted into the VRP on October 4, 2011. Under the provisions of the VRP, Amec Foster Wheeler has conducted a series of additional soil and groundwater assessments, soil remediation and other activities as documented in the eight Semi-Annual VRP Progress Reports which have been submitted to EPD between April 2012 and October 2015. These activities are summarized herein.

2.0 PURPOSE

This VRP CSR has been prepared on behalf of Dale Hendrix, Sr., Trustee under Trust for Benefit of Brenda Heisey, and Rheem Manufacturing Company the former Rheem Manufacturing property (Property) addressed at 139 Brampton Road in Savannah, Chatham County, Georgia. This CSR is being submitted to document compliance with the provisions, purposes, standards, and policies of the VRP and to certify compliance with applicable standards for soil and groundwater based on previous soil remediation activities combined with fate and transport modeling for the purpose of delisting the site from the HSI.

3.0 CONCEPTUAL SITE MODEL

Understanding the site setting is important in evaluating the fate and transport of contaminants in the subsurface. Refer to the geologic cross sections in Figures 4 and 5.

3.1 PHYSICAL SETTING

The site topography is relatively level, ranging between elevations 15 to 20 feet above mean sea level. Buildings and driveways occupy most of the Property, with an area of heavy vegetation southeast of the developed portion of the property. A Norfolk Southern rail line and spur track form the western and southern boundaries, across which consists of wooded terrain to Dundee Canal. Adjacent to the northeast is a warehouse operated by McDonald Ventures. Northeast of the adjacent warehouse property is a tributary of Dundee Canal.

3.2 REGIONAL GEOLOGY

The Property lies in the Coastal Plain Province of Georgia, an area underlain by a wedge of unconsolidated sediments beginning at the fall line and thickening to the southeast. The Coastal Plain is relatively level topographically and is highly dissected by streams. The area is underlain by a sequence of Cretaceous and younger sedimentary rocks resting on basement rocks consisting of much older igneous, metamorphic and/or sedimentary rocks.

The subject Property is mapped as being underlain by alluvial deposits of Quaternary to recent age which consist of floodplain deposits and river terrace deposits of the nearby Savannah River. The Quaternary and recent alluvial deposits are underlain by the Hawthorne Group which locally occurs at a depth of approximately 30 to 50 feet and consists of gravel, sand and clayey sand. The Hawthorne Group is underlain by the Suwannee Limestone which consists of crystalline limestone and dolomite.

3.3 SITE SPECIFIC GEOLOGY

The numerous investigative borings completed at the Property identified the shallow subsurface material as sandy clay to an approximate elevation of 5 feet underlain by silty sand to an approximate elevation of -20 feet. Reportedly, a continuous clay unit, Berryville Clay, underlies the sandy clay and silty sand strata and several well borings appear to have encountered this clay unit. Refer to Figures 4 and 5 for cross-sections.

3.4 SITE SPECIFIC HYDROLOGY

Groundwater in the Coastal Plain Physiographic Province typically consists of an unconfined surficial aquifer, underlain by an upper confining unit and the Floridan aquifer. Locally, the surficial aquifer, is not typically used for potable drinking water purposes, and consists of Miocene and Pliocene to Recent undifferentiated sands, which are mixed and/or interbedded with clay, silt, shells or river gravel and extends to depths of approximately 90 to 100 feet below land surface. This aquifer is underlain by a confining unit, which ranges in thickness from 200 to 400 feet and consists primarily of clay.

The Floridan aquifer system is composed of three aquifers that include the Upper, Middle and Lower Floridan aquifers. The Upper Floridan aquifer is well documented as it provides an abundant supply of potable water for the area. The underlying Upper Floridan aquifer is recorded to be nearly 400 feet thick and ranges from approximately 300 to 800 feet below land surface in this area. Water supply wells are reported to be screened primarily in this aquifer. The Middle and Lower Floridan aquifers underlie the Upper Floridan aquifer. These aquifers are also used as secondary potable water sources to the Upper Floridan aquifer.

3.4.1 Groundwater Flow Direction

Typically, the water table or surficial aquifer is not a level surface, but a subdued reflection of the land surface. Depth to the surficial aquifer is variable, being dependent on many factors which include: the amount of rainfall, the permeability of the soil and the amount of groundwater being pumped in the area. Based on area topography, groundwater flow at the Property is expected to be generally to the southeast. Groundwater depths measured on August 11, 2015 during the most recent comprehensive groundwater monitoring event were used to develop the groundwater elevation contours presented on the attached potentiometric surface map, Figure 15, which illustrates an east-southeasterly flow direction toward Dundee Canal, consistent with historical data. Historic groundwater depths are summarized on Table 1.

3.4.2 Hydraulic Conductivity

As detailed in the June 1997 CSR, May 2000 Revised CSR and August 2001 Responses to Requirements of Notice of Deficiency, variable head slug tests were performed in five wells to evaluate hydraulic conductivity. MW-4 and MW-5 were screened approximately 20 feet deep in silty sands and sandy clays. MW-7 and MW-11 were screened approximately 34 to 36 feet deep in clayey sand to silty clay (reportedly the Berryville Clay). MW-12 which is located across Dundee Canal was screened in silty clay and sand. The hydraulic conductivity of the surficial aquifer

varies from an average of 1.21 ft/day in the shallow wells to 5.57 ft/day in the deeper wells. Due to the fact that groundwater contamination has been predominately found in the shallower screened wells (W-4, W-5, GW-3 and GW-9) the average hydraulic conductivity value measured for MW-4 and MW-5 was utilized in the calculation of groundwater flow velocity. The hydraulic conductivity value for MW-4 and MW-5 was 1.41 ft/day and 1.01 ft/day, respectively, with an average hydraulic conductivity value of 2.78 ft/day.

Effective porosity was assumed to be 25% which is typical for these soil conditions. The formula used to calculate the groundwater flow rate is as follows (Applied Hydrology, C.W. Fetter, 1994):

$$\text{Velocity} = \frac{K\,i}{n_e}$$

where: K = hydraulic conductivity (feet per day) = 2.78 ft/day
i = hydraulic gradient (feet per foot) = 0.006 ft/ft
n_e = effective porosity (unitless) = 0.25

Based on the data input, an estimated groundwater velocity of 0.029 feet/day, or approximately 10 feet/year was calculated.

4.0 DESCRIPTION OF RELEASE SOURCE

Results of soil and groundwater assessment activities indicate the presence of substances regulated under the Hazardous Site Response Act (HSRA) in soil and groundwater at the Property.

According to the May 11, 2000 “Revised Compliance Status Report and Corrective Action Plan” prepared by Golder Associates, the most likely source of the release at the Property was the previous operation (1963 to 1994) of drum reconditioning and manufacturing processes. All known ongoing contributions to subsurface impacts have been eliminated since 1994.

The potential for soil contamination was investigated in a series of assessments performed by Amec Foster Wheeler and others between November 1987 and March 2016. The regulated substances identified in soil at the Property include: acenaphthylene (CAS No. 208-96-8), acetone (CAS No. 67-64-1), barium (CAS No. 7440-39-3), benzene (CAS No. 71-43-2), cadmium (CAS No. 7440-43-9), chromium (CAS No. 7440-47-3), chlorobenzene (CAS No. 108-90-7), chloroethene (CAS No. 9002-86-2), cis-1,2-dichloroethene (CAS No. 156-59-2), ethylbenzene (CAS No. 100-41-4), fluoranthene (CAS No. 206-44-0), fluorene (CAS No. 86-73-7), lead (CAS No. 7439-92-1), mercury (CAS No. 7439-97-6), naphthalene (CAS No. 91-20-3), nickel (CAS No. 7440-02-0), silver (CAS No. 12595-26-5), styrene (CAS No. 100-42-5), tetrachloroethene (CAS No. 127-18-4), toluene (CAS No. 108-88-3), trans-1,2-dichloroethene (CAS No. 156-59-5), trichloroethene (CAS No. 79-01-6), vinyl chloride (CAS No. 75-01-4) and xylenes (CAS No. 133-020-7).

The regulated substances identified in groundwater at the Property include: 1,1 dichloroethane (CAS No. 75-34-3), 1,1 dichloroethene (CAS No. 75-34-4), 1,2 dichlorobenzene (CAS No. 95-50-1), 1,2 dichloroethane (CAS No. 107-06-2), 1,1,1-trichloroethane (CAS No. 71-55-6), 1,1,2-trichloroethane (CAS No. 79-00-5), 1,2 trans-dichloroethene (CAS No. 156-60-5), barium (CAS No. 7440-39-3), benzene (CAS No. 71-43-2), beryllium (CAS No. 7440-41-7), carbon tetrachloride (CAS No. 56-23-5), chlorobenzene (CAS No. 108-90-7), chloroform (CAS No. 676-6-3), ethylbenzene (CAS No. 100-41-4), lead (CAS No. 7439-92-1), mercury (CAS No. 7439-97-6), methylene chloride (CAS No. 750-9-2), naphthalene (CAS No. 91-20-3), styrene (CAS No. 100-42-5), tetrachloroethene (CAS No. 127-18-4), trichloroethene (CAS No. 790-1-6), toluene (CAS No. 108-88-3), xylenes (CAS No. 133-020-7) and vinyl chloride (CAS No. 750-1-4).

5.0 DELINEATION OF SOIL CONTAMINATION

The assessment of soil contamination was accomplished through the installation and sampling of drilled soil borings and hand auger borings by Dames and Moore, Golder Associates and Amec Foster Wheeler between 1987 and 2016. Initial sampling events included analysis of soil samples for metals and VOCs, along with some SVOCs. Subsequent sampling events generally were specific to the analysis of lead in shallow soil samples. The following paragraphs describe the sampling events. The laboratory results are summarized in Tables 2 through 7 and illustrated on Figures 6 through 8. Complete laboratory reports are provided in Appendix B. Note that the results of the 1987 assessment work were reported in a previous report prepared by Golder. However, the laboratory reports were not available.

5.1 ANALYTICAL PARAMETERS SELECTED

Soil samples collected during previous sampling activities conducted between 1987 and 2016 by Amec Foster Wheeler and others were analyzed for volatile organic compounds (VOCs, SW-846 Test Method 601/602 or 8260B) and RCRA metals (SW-846 Test Method 6010B and 7471B). A few samples were analyzed for semi volatile organic compounds (SVOCs, SW-846 test method 8270D).

5.2 SAMPLING AND ANALYSIS PROCEDURES

5.2.1 Sampling Equipment and Collection Techniques

Soil samples from direct-push (Geoprobe) borings were collected using a four-foot long stainless steel sampling tube which is lined with a polyethylene sleeve and driven into the ground to the desired sampling depth. Soil samples collected from auger borings during groundwater monitoring well installation were collected using a split-spoon sampler and the standard penetration test method. Other samples were collected using a stainless steel hand auger.

5.2.2 Soil Sample Handling and Preservation Techniques

The collected soil samples were removed from the sampling device and placed in clean sample containers supplied by the laboratory. Soil samples collected by Amec Foster Wheeler for laboratory testing of VOCs were collected in accordance with SW-846 Method 5035 (the syringe method) and preserved in the field with sodium bisulfate and methanol. Samples were collected for metals analysis in unpreserved containers. Clean nitrile gloves were worn during all sampling activities and the gloves were then discarded. Following sample collection, the samples were maintained on ice in a cooler until they were transferred to the laboratory.

5.2.3 Equipment Decontamination Procedures

Soil sampling tools and equipment, including drill rigs were decontaminated prior to beginning work on the site. During drilling operations, only clean drilling tools were used in each borehole. The split spoons and direct-push sampling tubes were decontaminated between samples and clean polyethylene liners were used for each Geoprobe sample. Clean nitrile gloves were used during the collection of all soil samples. Gloves were changed prior to the collection of each soil sample.

5.2.4 Chain-of-Custody Procedures

All collected samples were logged on a chain-of-custody form that was signed by the Amec Foster Wheeler field representative and the laboratory representative upon release of the samples to the laboratory. Chain-of-custody documentation are provided with the laboratory reports in Appendix A.

5.2.5 Laboratory Analytical Procedures

5.2.5.1 Standard Analytical Methods

Following delivery to the laboratory, selected soil samples collected by Amec Foster Wheeler were analyzed for VOCs using SW-846 Test Method 8260B and RCRA metals using SW-846 Test Method 6010C and 7471B.

5.2.5.2 Quality Control Procedures

Quality control samples were prepared and analyzed during the assessment. Duplicate soil and groundwater samples were tested. Trip blanks and field blanks were included with the samples submitted to the laboratory. The trip blanks were provided by the laboratory and consisted of 40-ml vials filled with water. Results of the trip blank analyses are included in the laboratory reports. Results of Surrogate analysis are also included in the laboratory reports. Backup QA/QC data for these samples were included in laboratory reports for each assessment phase.

The soil samples collected by Golder were submitted to either Savannah Laboratories or STL Laboratories in Savannah, Georgia. Those samples collected by Amec Foster Wheeler were submitted to Analytical Environmental Services, Inc. (AES) in Atlanta, Georgia or TestAmerica in Savannah, Georgia for laboratory analysis. Each of these labs maintains a National Environmental Laboratory Accreditation Conference (NELAC) certification for the analysis of volatile organics and metals.

5.3 BACKGROUND SOIL QUALITY

Because VOCs and SVOCs are not typical of naturally occurring substances in the Coastal Plain, naturally occurring background conditions for these constituents at the subject property were assumed to be below laboratory detection limits. The background concentrations for metals in soil were assumed to be the Type 1 RRS.

5.4 SOIL RESULTS

During the Dames and Moore November 1987 assessment, a total of twenty-six soil samples collected from nine boring locations (B-1 through B-9) were tested for the presence of regulated constituents. The following constituents were detected above the laboratory detection limit, but below their HSRA Notification Concentration (NC): acenaphthylene, fluoranthene, fluoranthene, fluorene and naphthalene in one soil sample; and benzene, ethylbenzene, toluene, and xylenes in one soil sample. Additionally, the metals barium, cadmium, chromium, lead, mercury and nickel, were detected in several soil samples above the laboratory detection limit, but below their HSRA NC.

In 1988, the Georgia EPD performed a Site Inspection (SI) which included the collection of one background soil sample and one surficial soil sample composited from four separate locations across the Property. The results of this limited soil testing are not presented herein due to the non-specific nature of the composite sample and the unknown location of the background sample.

Following the Property's listing on the HSI, Golder Associates performed several environmental investigations between February 1997 and March 1998 which included the collection of soil samples from the following borings: GW-1, GW-2, GW-3, GW-5, SL-1 through SL-50, SP-1 through SP-3, GW-1 through HW-3 and VSL-1 through VSL-7. These assessments focused primarily on the surficial lead impacts. A total of 131 soil samples have been tested for the presence of lead, with thirty-three samples containing lead concentrations in excess of the HSRA NC of 400 mg/kg. Golder collected a total of twenty-four soil samples from various locations on-site and eleven soil samples from the adjacent off-site property to the south, which were tested for the presence of VOCs. The following VOC constituents were detected above the laboratory detection limit, but below their HSRA NC, in five soil samples collected on-site: chlorobenzene, chloroethane, ethylbenzene, styrene, tetrachloroethene, toluene, and xylenes. Additionally, the VOCs acetone, ethylbenzene and xylenes were detected in one off-site soil sample above the laboratory detection limit, but below their respective HSRA NCs.

The previous soil testing activities conducted by Dames and Moore and Golder failed to fully delineate lead-impacted shallow to the default Type 1 risk reduction standard (RRS) on-site. As such, following its entry into the VRP, by Amec Foster Wheeler conducted additional shallow soil characterization to supplement the existing data and to complete the lateral and vertical delineation of lead impacted soil.

To further delineate known lead impacts and check for impacts of other regulated substances as requested in EPD's VRPA approval letter, in March 2012, Amec Foster Wheeler installed a series of twenty-eight soil test borings (EW-1, EW-2 and GP-1 through GP-26) at selected locations using a direct-push drill rig. Eight of the direct-push borings were located inside the on-site structures while the remaining twenty were outside of the buildings. With the exception of EW-1 and EW-2 which were converted to monitoring wells, the borings were generally extended to depths of 12 feet below ground surface. Soil samples were collected from the borings at two-foot intervals in the upper eight feet which is just above the documented shallow groundwater table.

The collected soil samples were stored on ice and maintained under chain-of-custody control from the time they were collected until they were released to the laboratory. A portion of each sample was collected separately in a Ziploc bag and field screened for texture, odors and stains. The samples were also scanned for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID).

The 2012 soil borings generally encountered a surface layer of stone aggregate, concrete or vegetated topsoil which was underlain by alternating silty to clayey sands. With the exception of odorous soil present in soil boring EW-2, no visual or olfactory indicators of soil impact were noted. The boreholes located inside the on-site structures were abandoned by filling with bentonite and patching the concrete, and the boreholes outside the buildings were backfilled with bentonite. Boring logs are included in Appendix C.

A total of 47 soil samples from the twenty-eight borings were selected for laboratory analysis based on the PID results, for further on-site delineation of known lead impacts and to check for impacts of other regulated substances as requested in EPD's VRPA approval letter. The soil samples were submitted to Analytical Environmental Services, Inc. (AES) in Atlanta, Georgia for testing. The samples were analyzed for various combinations of constituents based on site history, including VOCs (EPA Method 8260B), polynuclear aromatic hydrocarbons (PAHs, EPA Method 8270C) and/or metals (EPA Method 6010).

A total of 18 soil samples were analyzed for VOCs and PAHs in 2012. The laboratory testing results identified the presence of VOCs in soil samples collected from borings EW-2, GP-03, GP-05 and GP-08. All constituents detected were below their respective Soil Delineation Concentration Criteria, except tetrachloroethene (PCE) and trichloroethene (TCE) in one sample (GP-05 at a depth of 2-3 feet) which exceeded the Soil Delineation Concentration Criteria of 0.5 mg/kg. This boring (GP-05) was located under the concrete floor of the enclosed storage warehouse building leading to the former solvent tank area. The only PAH compound detected was 1-methylnaphthalene in GP-08 at a concentration of 1.2 mg/kg, which is not listed as a regulated substance.

The soil sample collected from boring GP-05 in 2012 exhibited concentrations of PCE and TCE above their respective Soil Delineation Concentration Criteria of 0.5 mg/kg. The VOC testing results from other borings in the general vicinity of GP-05 allowed the lateral delineation of PCE and TCE to be completed. However, in March 2016, Amec Foster Wheeler installed a series of Geoprobe soil borings in the area immediately surrounding boring GP-5 to further investigate the VOC impacts previously identified in this area and to more closely define the area of VOC impacts. A total of seven direct-push borings were installed surrounding GP-5. Samples were collected at a depth of 2-3 feet, corresponding to the depth of the previous sample. The testing results identified chlorinated VOCs in each of the borings. The new data, inside the building from around boring GP-05 generally defined a localized area of VOCs in soil exceeding the delineation criteria. Other lab data outside the building completed the horizontal delineation of VOCs in soil on the Property (see Figure 15).

A total of 29 soil samples were tested for the presence of lead in 2012 in order to further vertically and horizontally delineate known lead impacts on-site. For further vertical delineation, soil samples were collected from depths ranging from 1 to 3 feet at previous locations which exhibited elevated levels of lead in the soil, including GP-14, GP-15, GP-23 and GP-26. Additionally, to further define the lateral soil impacts to the north, east and south, soil samples were collected from depths of 1 to 2 feet. The results of the additional soil testing identified lead in 24 samples at concentrations ranging from 5.28 mg/kg to 534 mg/kg. Based on the soil data collected, delineation of the shallow lead impacts was completed.

In addition to the soil delineation activities, in preparation for the initial VRPA field activities, a site visit was conducted by the Trustee and Rheem to discuss the proposed field activities with the current tenant occupying the property. During that site visit the current tenant indicated that in

2006 soil from the eastern corner of the southernmost building was excavated to an approximate depth of 6 feet to facilitate construction of a loading ramp. According to the current site tenant, the excavated soil was relocated and bermed to the east along the existing tree line. The tenant indicated that a geofabric was placed in the bottom of the excavation and then backfilled with a combination of stone and sand then finished with concrete. Reports submitted to EPD in 2000, indicated that shallow impacts of lead had been detected at that time in this area at concentrations greater than the non-residential cleanup criteria. To investigate whether such lead concentrations remained after the 2006 excavation for the loading dock, one soil boring, GP-04, was advanced through the concrete loading ramp which confirmed the presence of the sandy fill and geofabric. One soil sample was collected below the loading dock fill and geofabric at a depth of 7 feet to confirm that lead concentrations were not present in excess of the non-residential cleanup criteria. Lead was detected in this soil sample at a concentration of 6.5 mg/kg, well below the non-residential cleanup criteria and consistent with background.

Since previous soil testing conducted in the area of the loading ramp identified lead impacted shallow soil which required remediation, two composite samples (SP-1 and SP-2) were collected from the excavated soil within the soil berm in March 2012. The soil berm is located along the existing tree line to the east/southeast of the existing on-site structures. The soil berm is irregularly shaped and measured approximately 200 feet long by 30 to 50 feet wide. The soil berm is surrounded by a metal reinforced silt fence to prevent runoff and is covered with vegetation. Two six-point composite samples were collected from the northeastern portion of the berm and the southwestern portion of the berm and analyzed for total lead. Lead was detected in SP-1, northeastern portion of the berm, at a concentration of 16.5 milligrams per kilogram (mg/kg) and in SP-2, southwestern portion of the berm, at a concentration of 305 mg/kg. Since the concentration of lead detected in SP-2 was greater than 100 mg/kg, SP-2 was also analyzed for lead using the Toxicity Characteristic Leaching Procedure (TCLP) and the result was 0.413 mg/L, indicating non-hazardous soil.

In March 2013, Amec Foster Wheeler installed four direct-push borings (GP-27 through GP-30) on the McDonald Ventures property and eight on-site soil test borings (GP-31 through GP-38). The purpose of these borings was to further delineate known impacts of regulated substances. The soil borings were extended to depths of 10 feet below ground surface, terminated at the approximate water table depth. In addition, two hand auger borings (HA-NS-01 and HA-NS-02) were installed on the Norfolk Southern property to the south. The hand auger borings were extended to depths of approximately four feet below grade.

Four soil samples were tested in 2013 from the McDonald Ventures property at a depth of 1 foot below ground surface and analyzed for lead (EPA Method 6010). The results of the supplemental testing on the McDonald Ventures property identified lead in three of the four samples at concentrations ranging from 17.8 mg/kg to 71 mg/kg which is below the delineation criteria of 75 mg/kg. As such, based on the existing soil data, the shallow lead impacts adequately delineated to the north.

A total of nine soil samples from the eight on-site borings were selected for laboratory analysis to further delineation known on-site impacts which exceeded the delineation criteria. A total of six soil samples collected in March 2013 were tested for the presence of lead in order to further define the lateral extent of known shallow lead impacts on-site. Soil samples were collected from a depth of 1 foot below ground surface. The results of the additional soil testing identified lead in all six samples at concentrations ranging from 6.49 mg/kg to 10.7 mg/kg. Based on the existing soil data, the shallow lead impacts have been horizontally delineated on the Property.

Based on historic soil sampling results obtained in October 1999 and March 2000, shallow lead impacts had been identified on the Norfolk Southern property at concentrations above the Soil Delineation Concentration Criteria of 75 mg/kg. To further delineate the lateral extent of shallow lead impacts, two soil test borings (HA-NS-01 and HA-NS-02) were advanced on the adjacent Norfolk Southern property to the south using a hand auger in February 2014. One soil sample was tested from each boring at a depth of 1 foot below ground surface. Lead was detected in boring HA-NS-01 at a concentration of 10.5 mg/kg and in boring HA-NS-02 at 13.5 mg/kg, well below the soil delineation criteria of 75 mg/kg. As such, based on the existing soil data, the shallow lead impacts were adequately delineated to the south.

5.5 SOIL VAPOR TESTING

Amec Foster Wheeler evaluated the potential impact of sub-slab soil gas on future indoor air quality for the industrial buildings located at the Property. The site was formerly used as a Rheem Manufacturing Facility but has been leased for warehousing of wood construction products and for office space since 1994. The surrounding area is primarily industrial/commercial. The current buildings are situated on slab foundations.

Two soil gas samples (SG-1 and SG-2) were collected inside the building, near a previous sub-slab soil sample (GP-05) that showed evidence of prior impacts from VOCs. The samples were collected from a depth of 2 feet below the foundation slab within direct-push soil borings. The

sampling tube inlets were placed at the appropriate depth and the borings were backfilled with sand and sealed with hydrated bentonite. The borings were allowed to equilibrate overnight and the soil vapor samples were collected the next day using Summa canisters. The samples were submitted to H&P Mobile Geochemistry for analysis for VOCs. Seven VOCs were detected in the two soil gas samples, including: benzene, chloroform, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE and vinyl chloride.

As described in Section 9.5, the maximum soil gas concentrations for the two samples (SG-1 and SG-2) collected were used to estimate worst-case potential exposures for industrial/commercial workers that might be exposed to indoor air vapor emissions from subsurface soil gas.

5.6 INDOOR AIR SAMPLING

Three indoor air samples were collected for analysis on August 28, 2016. These samples were collected vertically above the highest soil concentrations that have been previously observed at the building. Air samples were collected over an 8-hour period to match the current commercial/industrial land use. The samples were analyzed by Pace Analytical Services on August 30, 2016 by Method TO-15 MSV for the seven volatile compounds previously detected in the sub-slab soil gas samples. Only acetone was detected at a concentration greater than the reporting limit. This compound was detected in all three samples, but not in the blank sample. The data are summarized in Appendix E, Table E-1. These indoor air data were used as an additional line of evidence that concentrations of volatiles in the subsurface do not pose a risk for current or future site receptors (See Section 9.5).

6.0 HORIZONTAL AND VERTICAL EXTENT OF GROUNDWATER CONTAMINATION

During the course of the various assessments conducted between November 1987 and August 2015, a total of eighteen groundwater monitoring wells were installed on the Property and adjacent property. The cumulative groundwater testing results obtained during the various sampling events are summarized in Table 8 and illustrated on Figure 8. Complete laboratory reports are provided in Appendix B.

6.1 ANALYTICAL PARAMETERS SELECTED

Groundwater samples were initially analyzed for VOCs and RCRA metals. Based on the lack of regulated constituents other than VOCs, subsequent groundwater samples were typically tested for VOCs only.

6.2 MONITORING CONSTRUCTION METHODS

Groundwater assessments were conducted at the site by Dames and Moore, EMC, Golder and Amec Foster Wheeler between November 1987 and March 2000 for preparation of the original CSR prepared by Golder. Additional groundwater assessment was conducted by Amec Foster Wheeler between March 2012 and March 2016 under the VRP. A total of 25 groundwater monitoring wells and three piezometers were on the Property and the adjacent properties, seven of which (EW-1 through EW-7) were installed by Amec Foster Wheeler. The wells were completed with two-inch diameter well casings installed through the outer casing and finished as described below. Other details regarding the five wells (W-1 through W-5) installed by Dames and Moore and the three piezometers (P-1 through P-3) installed by EMC are not known.

6.2.1 Type of Well Casing Material

The monitoring wells installed on site consist of two-inch diameter Schedule 40 PVC well casing and screen with threaded joints.

6.2.2 Description of Well Intake Design

6.2.2.1 Screen Slot Size and Length

Each of the drilled wells on site was constructed with 0.01-inch factory slotted PVC well screen with either 5 or 10-foot screen lengths.

6.2.2.2 Filter Pack Materials and Length

Washed 20/30 sieve size quartz sand was used to create the filter pack around the well screen in each of the wells. The sand generally extended to a height of approximately one to two feet above the top of the screen (see boring logs in Appendix C).

6.2.2.3 Method of Filter Pack Emplacement

The sand pack in the augered wells was placed around the screen by pouring the sand through the hollow-stem augers while simultaneously raising the augers to prevent bridging of the sand within the augers. The filter pack was then sealed from above with a one to two-foot layer of hydrated bentonite clay.

6.2.2.4 Surface Seal

The wells were grouted to within approximately six inches of the ground surface with Portland cement grout (Type II well construction). These wells were then topped with lockable steel covers, either flush-mount or stick-up.

6.2.2.5 Well Development Methods and Procedures

Following installation, the wells were developed at least 24 hours following installation using a peristaltic pump. The parameters temperature, pH, specific conductivity and turbidity were periodically monitored during well development. Development continued until these parameters stabilized pursuant to EPA methodology and a minimum of five well volumes of water were removed during well development.

6.3 SAMPLING AND ANALYSIS PROCEDURES

6.3.1 Groundwater Elevation

During each groundwater monitoring event, groundwater levels were measured in each well from the top of the well or piezometer casing. As discussed in Section 5.4, a survey was conducted to measure the elevation of the top of each well casing for preparation of potentiometric surface maps (see Figures 6 and 7).

6.3.2 Well Evacuation Procedures

During subsequent well sampling events, well purging was accomplished using a peristaltic pump. During purging, the parameters temperature, pH, specific conductivity and turbidity were monitored and submitted in the previous reports. Purging continued until these parameters

stabilized pursuant to EPA methodology and a minimum of three well volumes were removed or the well went dry.

6.3.3 Groundwater Sampling, Handling and Preservation

Immediately following purging, groundwater samples were collected using a peristaltic pump and low-flow sampling procedures. Clean latex gloves were worn during all development and sampling activities and were changed between each well location.

Samples were collected in clean sample containers, supplied by the laboratory, which contained the appropriate preservative. 40ml glass vials were used for the collection of groundwater samples for VOC analysis. VOC samples obtained by Amec Foster Wheeler were collected using a peristaltic pump by allowing the tubing to fill and then sealing the end near the pump, removing the tubing from the well and allowing it to gravity drain into the VOC vials to minimize turbulence and reduce the potential for volatilization (the straw method). The vials were completely filled, with no bubbles or headspace. Samples to be tested for pesticides and herbicides were collected using a low flow peristaltic pump with the discharge line discharging directly into the sample container. Following sample collection, the bottles were stored on ice in a cooler until they were transferred to the laboratory. The samples were maintained under strict chain-of-custody control from the time they were collected until they were relinquished to the laboratory.

6.3.4 Decontamination Procedures

Decontamination procedures consisted of the use of clean, unused tubing at each sampling location. Nitrile gloves were also worn and changed between each sampling location. Tubing was disposed of after each use. No equipment was used to sample more than one well.

6.3.5 Laboratory Analytical Techniques

6.3.5.1 Analytical Procedures

The samples collected by Golder were submitted to Savanah Laboratories or Severn Trent Laboratories in Savannah, Georgia and tested for the presence of VOCs using SW-846 Test Method 8260.

Groundwater samples collected by Amec Foster Wheeler between 2012 and 2016 were submitted to either Analytical Environmental Services, Inc., Xenco Laboratories or FTS Analytical (formerly Xenco) in Atlanta, Georgia and tested for the presence of VOCs and in some instances, RCRA metals.

6.3.5.2 Quality Control Samples

The groundwater samples were maintained under chain-of-custody control and submitted to the analytical laboratory for testing. Duplicate samples and field blanks were tested. Trip blanks prepared by the laboratory were also submitted for testing. QA/QC was conducted in accordance with the laboratory analysis selected. Backup QA/QC data for these samples was included in the laboratory reports.

6.3.5.3 Chain-of-Custody Procedures

Samples collected during the assessment were delivered to the analytical laboratory under strict chain-of-custody protocol. From the time of collection until they were released to the laboratory, the samples were stored in ice-filled coolers. Chain-of-Custody records documenting the transfer of the samples to the laboratory were maintained and are included in the laboratory reports in Appendix A.

6.4 BACKGROUND GROUNDWATER QUALITY

Because the VOCs in question are not typical of naturally occurring substances in the Coastal Plain, naturally occurring background conditions for these constituents at the subject property were assumed to be below laboratory detection limits.

6.5 GROUNDWATER RESULTS

During the Dames and Moore November 1987 assessment, five groundwater monitoring wells, W-1 through W-5, were installed to characterize groundwater conditions at the site, primarily in the area immediately downgradient of the buildings. Groundwater testing indicated several VOCs, SVOCs and metals present in the groundwater. Tetrachloroethene (PCE) was present in three of the six wells, at concentrations ranging from 5.9 μg/L (micrograms per Liter) up to 1,800 μg/L (W-4).

EMC Engineering installed monitoring wells MW-1 and MW-5 in the center of the building complex in 1993, along with piezometers P-2 and P-3, located north of the building. 1,1-dichloroethane and 1,1-dichloroethene were detected in a water sample from P-2 located near the northern property boundary.

In response to the Property's listing on the HSI, Golder Associates further assessed the groundwater conditions at the Property through the installation of the following twelve groundwater monitoring wells: GW-1, GW-2 and GW-3 in February/March 1997; GW-4, GW-5

and GW-6 in March/April 1998; GW-7 though GW-11 in October 1999; and GW-12 in March 2000. Three of these wells (GW-1, GW-2 and GW-3) were installed on the southern portion of the Property and the other nine wells were installed on the adjacent property to the east and south. Groundwater testing indicated several organic constituents were present in two of the on-site wells and four of the off-site wells. It was concluded that the groundwater impacts identified in the two off-site wells east of the Dundee Canal are not associated with the on-site release because of their distance and hydrologic separation from the Property. No additional groundwater testing was conducted until March 2012, following the site's entry into the VRP.

EPD requested in an October 4, 2010 letter that the Trustee and Rheem confirm that all former monitoring wells have been properly closed and abandoned. Golder reported that the following monitoring wells were lost or damaged W-2, W-3, W-4, MW-5, W-6 and P-3. S&ME, Inc., performed a monitoring well reconnaissance in April 2009 utilizing a metal detector and manual digging tools. S&ME reported that monitoring wells MW-1, P-2, GW-2, GW-6, GW-8, GW-11 and GW-12 were not found. Pursuant to the EPD's request, Amec Foster Wheeler attempted to locate the previously abandoned wells during the March 2012 field activities. Amec Foster Wheeler located monitoring wells GW-1, W-5, GW-7 and GW-9 which were found to be in good condition. However, the remaining wells could not be located. The construction of a building covering most of the adjacent property to the north and the thick vegetative cover on the property off-site to the south and east, impeded the ability to locate the historic off-site monitoring wells.

Amec Foster Wheeler's sampling of groundwater at the site began in March 2012 while sampling on the adjacent properties began in February 2013.

In March 2012, Amec Foster Wheeler installed two groundwater monitoring wells (EW-1 and EW-2) on the Property in borings advanced with hollow-stem augers. EW-1 was installed on the northeastern portion of the Property for delineation purposes and EW-2 was installed in close proximity to W-4 which historically has exhibited the highest concentration of VOCs but which had been destroyed. The borings were advanced to a depth of fifteen feet.

The wells were constructed using two-inch diameter PVC pipe with the lower ten feet consisting of 0.01-inch slotted PVC screen. A filter pack consisting of bagged quartz sand was placed around the well screen to approximately two feet above the screen. Approximately two feet of hydrated bentonite was placed above the sand pack as a seal. The remainder of the borehole annulus was filled to the surface with cement grout. EW-1 was completed with a "stick-up" locking

steel well cover and EW-2 was completed at the surface with a locking cap and flush-mounted well cover. Boring logs and well construction details are included in Appendix C.

At least 24 hours following installation, EW-1 and EW-2 were developed to remove sediment and allow representative formation water to more easily enter the wells. In addition, the three existing on-site monitoring wells GW-1, W-5 and GW-7 were also purged prior to sampling. Groundwater quality parameters including temperature, pH, specific conductance and turbidity were monitored during development and purging and are summarized on the attached field data sheets. Well development continued until these parameters had stabilized and a minimum of three to five well volumes of water were removed. Samples were collected immediately following purging/development using the "straw" method and were placed in containers provided by the laboratory, packed on ice and were maintained under chain-of-custody control from the time they were collected until they were released to the laboratory.

The five groundwater samples were tested for the presence of VOCs (EPA Method 8260B) and metals (EPA Method 6010). In addition, three samples (EW-1, GW-1 and W-5) were tested for natural attenuation (NA) parameters.

Low concentrations of both total and dissolved barium, consistent with naturally occurring background conditions, were detected in EW-1, GW-1, EW-2 and W-5.

Several VOCs including PCE, TCE and DCE, were detected in wells EW-2 and W-5. EW-2 is located in close proximity to former well W-4 which has historically exhibited the highest concentration of PCE (1,800 µg/L in 1987). The 1997 sampling result from W-4 exhibited a much lower concentration of PCE (150 µg/L) and the 2012 sampling result from nearby EW-2 exhibited an even lower concentration of PCE (76 µg/L). This demonstrates the natural attenuation of the contaminant plume at the likely source area. Although the current PCE concentration in downgradient well W-5 had risen to 120 µg/L in 2012 compared to 16 µg/L during the 1997 sampling event, this variation is not inconsistent with the plume's migration to the east. Also, the PCE daughter product concentrations (TCE, DCE and others) had been detected during previous samplings of monitoring well W-4 and in recent sampling of monitoring wells EW-2 and W-5. This clearly indicates that biodegradation of PCE and TCE is occurring. No VOCs were detected in wells EW-1 and GW-1. The only VOC detected in GW-7 was xylenes at a concentration of 230 µg/L which was not detected during a 1999 sampling event.

In order to further assess off-site groundwater conditions on the McDonald Ventures property, in March 2013, one groundwater monitoring well (EW-3) was installed on this property. The well was constructed using 2-inch diameter PVC pipe with the lower 10 feet consisting of 0.01-inch slotted PVC screen. A filter pack consisting of bagged quartz sand was placed around the well screen to approximately two feet above the screen. Approximately two feet of hydrated bentonite was placed above the sand pack as a seal. The remainder of the borehole annulus was filled to the surface with cement grout. The well was completed at the surface with a locking cap and flush-mounted well cover.

At least 24 hours following installation, EW-3 was developed and sampled. In addition, the existing monitoring well installed in October 1999 located on the McDonald Ventures property (GW-9) was also purged and sampled. The two groundwater samples were tested for the presence of VOCs (EPA Method 8260B). VOCs were not detected in the newly installed well EW-3. Several VOCs including tetrachloroethene (PCE), trichloroethene (TCE), benzene, 1,1 dichloroethene, and 1,1 dichloroethane, were detected in the existing off-site well GW-9. In 1999, these same constituents, along with 1,2 dichloroethene, were detected in GW-9 but at higher concentrations. In conjunction with the on-site groundwater sampling conducted during in 2013, the decrease in VOC constituents in GW-9 since 1999 provided additional evidence that the groundwater contaminant plume is naturally attenuating.

In order to further assess off-site groundwater conditions, in February 2014, Amec Foster Wheeler located monitoring wells GW-4 and GW-5, which were installed by Golder Associates in April 1998 and GW-10 installed in October 1999 on the Norfolk Southern property to the south. The wells were found to be in good condition and were sampled as part of this field effort. Additionally, Amec Foster Wheeler also installed four groundwater monitoring wells (EW-4 through EW-7) in February 2014 on the Norfolk Southern property. Boring logs and well construction details are included in Appendix C.

EW-4 was installed in a boring advanced with hollow-stem augers on the Norfolk Southern property southwest of the Property to further define the lateral extent of the plume boundary in the sidegradient direction. The well was constructed using 2-inch diameter PVC pipe with the lower 10 feet consisting of 0.01-inch slotted PVC screen. A filter pack consisting of bagged quartz sand were placed around the well screen to approximately two feet above the screen. Approximately two feet of hydrated bentonite was placed above the sand pack as a seal. The

remainder of the borehole annulus was filled to the surface with cement grout. The monitoring well, EW-4, was completed at the surface with a locking cap and flush-mounted well cover.

Monitoring wells EW-5, EW-6 and EW-7 were installed on the adjacent Norfolk Southern property to the east in an attempt to define the lateral extent of the plume boundary in the downgradient direction. Due to access limitations and constraints, the wells were installed with hand augers. The wells were constructed using 2-inch diameter PVC pipe with the lower 5 feet consisting of 0.01-inch slotted PVC screen. A filter pack consisting of bagged quartz sand was placed around the well screen to approximately one foot above the screen. An approximate one foot layer of hydrated bentonite was placed above the sand pack as a seal. The remainder of the borehole annulus was filled to the surface with cement grout. The monitoring wells were completed with a "stick-up" locking steel well cover.

At least 24 hours following installation, EW-4, EW-5, EW-6 and EW-7 were developed and sampled. The existing off-site monitoring wells GW-4, GW-5 and GW-10, located on the Norfolk Southern property to the south were also purged and sampled at that time. In addition, the on-site monitoring well, GW-7, was also purged and sampled to recheck for the low levels of xylenes identified in March 2012. The seven off-site groundwater samples were tested for the presence of VOCs (EPA Method 8260B) and the on-site groundwater sample from GW-7 was tested for the presence of xylenes (EPA Method 8260B). No VOCs were detected in the off-site wells EW-4, EW-5, GW-4 and GW-5. Several VOCs including tetrachloroethene (PCE), trichloroethene (TCE), 1,1 dichloroethene, and/or 1,1 dichloroethane, were detected in the off-site wells EW-6, EW-7 and GW-10 located downgradient to the south. With the exception of 1,1 dichloroethene in EW-7, the chlorinated VOCs were all detected at concentrations below the default Type 1 RRS. 1,1 Dichloroethene was detected in EW-7 at a concentration of 10.7 micrograms per liter (µg/L) which is slightly above the default Type 1 RRS and MCL of 7 µg/L. Xylenes were not detected in the on-site well GW-7.

In August 2015, a comprehensive groundwater sampling event was performed by Amec Foster Wheeler which included all accessible monitoring wells on the subject site, the Norfolk Southern property and the McDonald Ventures property. Sampling and analysis of groundwater from five on-site wells (EW-1, EW-2, GW-1, GW-7, and W-5) and eight off-site wells (EW-3, EW-4, EW-5, EW-6, EW-7, GW-4, GW-5, and GW-10) were performed during this monitoring event.

The groundwater samples were tested for the presence of VOCs (EPA Method 8260B). In addition, groundwater samples from EW-1, GW-1, and W-5 were also analyzed for natural attenuation parameters, including: total organic carbon, ferrous iron, alkalinity, ethane, ethylene, methane, nitrate, nitrite, sulfate, sulfide, and chloride. No VOCs were detected in the on-site wells EW-1, GW-1, and GW-7 or in the off-site wells EW-3, EW-4, EW-5, GW-4 and GW-5. Several chlorinated volatile organic compounds (CVOCs) were detected in two on-site wells (EW-2, and W-5) and three off-site wells (EW-6, EW-7 and GW-10), including: PCE, TCE, cis-DCE, 1,2 dichloroethane (1,2-DCA), 1,1-dichloroethene (1,1-DCE), and 1,1 dichloroethane (1,1-DCA). Concentrations of PCE, TCE and 1,1-DCE were detected above their respective default Type 1 RRS in two on-site wells (EW-2 and W-5). Concentrations of TCE and 1,1-DCE were detected above their respective default Type 1 RRS in two off-site wells (EW-6 and EW-7). 1,1-DCE was below its default Type 2 RRS in each case.

The CVOC concentrations detected were generally comparable to those observed during the previous sampling event in 2014 with some concentrations slightly higher than previously observed while others were lower. CVOC concentrations nearest the source area were observed to have decreased the most, while those farther downgradient tended to increase somewhat, particularly among the PCE degradation products.

Natural attenuation parameters were monitored in EW-1, W-5 and GW-1. The presence of ferrous iron and methane, along with low concentrations of nitrate in two of three wells support the observation of degradation of CVOCs within the groundwater plume. These conditions are confirmed by the presence of PCE degradation products and the absence of PCE in the downgradient wells.

In March 2016, a groundwater sample was collected from EW-7, located near the downgradient boundary of the VOC plume. Low concentrations of 1,1-DCE, 1,1-DCA, cis-1,2-DCE, PCE and TCE were detected in the groundwater from EW-7. These concentrations were generally consistent with previous data collected form this well during the 2015 monitoring event.

6.6 SURFACE WATER QUALITY CONDITIONS

There is little relief on the Property with surface elevations ranging from approximately 20 feet above mean sea level along Brampton Road to elevation 15 feet east of the on-site buildings. The heavy vegetated area east and south of the Property slopes downward to below an elevation of 5 feet toward the Dundee Canal located approximately 500 feet to the southeast. Therefore,

surface drainage in the area is controlled by the Dundee Canal which merges into the Savannah River approximately 4,000 feet to the northeast of the Property. Golder Associates collected one surface water sample from the Dundee Canal in 1997 (SW-1) and one sample from its tributary northeast of the Property in 1998 (SW-2). These samples were tested for the presence of VOCs (EPA Method 8260B) and no VOCs were detected in the two surface water samples. The results are summarized in Table 9.

The testing indicates that the nearest down gradient surface water body, the Dundee Canal, and its tributary have not been impacted by releases at the Property. This is supported by fate and transport modeling discussed in Section 8.0.

7.0 SUMMARY OF REMEDIAL MEASURES COMPLETED TO DATE

It is the intent of the two responsible parties, Dale Hendrix, Sr., Trustee under Trust for Benefit of Brenda Heisey, and Rheem Manufacturing Company, to remove the Property from the HSI through implementation of an efficient Voluntary Remediation Program plan which is protective of human health and the environment. This section outlines the corrective actions completed to date to satisfy the requirements set forth in the Georgia Voluntary Remediation Program Act.

7.1 SOIL

Based on previous documentation and the RRS presented in Appendix F, extensive soil testing was conducted on site which identified lead-impacted shallow soils that required remediation. The delineated extent of lead-impacted soils exceeding the approved Type 4 RRS of 960 mg/kg is depicted on Figures 8 and 9. Final delineation was achieved at the time of soil removal through verification sampling and testing.

A Work Plan was developed by Amec Foster Wheeler for the excavation and off-site disposal of lead-impacted soil at the Property exceeding 960 mg/kg. Identified areas of lead-impacted soil were excavated to the appropriate limits as determined through previous soil testing and excavation verification sampling. Excavated material that requires off-site disposal will be placed into roll-off boxes, stockpiled with appropriate cover and erosion control, or direct loaded onto trucks for immediate transport. Verification soil samples would be collected along each sidewall and at least every 25 linear feet to demonstrate compliance. Additionally, soil samples would be collected on the floor of every isolated subsurface excavation and at a rate of at least one sample per 1,000 square feet. Soil verification samples would be analyzed for lead (EPA Method 6010) to demonstrate compliance with applicable criteria. This criteria would incorporate provisions of the Voluntary Remediation Program, including but not limited to 12-8-102(b) and 12-8-108. The actual extent of the excavated area would depend upon the results of verification sampling.

During soil removal operations, field screening for odors, stains and organic vapors was performed to identify any soils with the potential to contain VOCs or SVOC in excess of applicable RRS. Suspect soils identified through field screening would be appropriately analyzed and, if necessary, the Voluntary Remediation Program Plan would be amended.

Excavation, handling, transport, and disposal of the source material/soil would be performed using methods that (1) prevent contamination of the surrounding environment (soil, water, air), (2) are

in accordance with federal, state, and local laws, and (3) protect personnel in the excavation area and adjacent areas.

Based on previous Toxicity Characteristic Leaching Procedure (TCLP) testing completed by Golder Associates, the soil was not characteristically hazardous. Therefore, disposal in a Subtitle D facility was anticipated. Excavated impacted soil would be transported in compliance with all applicable regulations for transporting such wastes and disposed at a pre-approved disposal facility permitted to accept the designated waste.

The work involved the handling of materials containing substances that are potentially detrimental to the health and safety of construction personnel. The work was performed in compliance with applicable OSHA regulations in accordance with a project-specific Health, Safety and Emergency Response Plan.

On December 1, 2014 Amec Foster Wheeler mobilized and began implementation of the Soil Remediation Plan. The objective of the remediation effort was to remove soil exceeding the approved site-specific Type 4 RRS for lead of 960 mg/kg. These activities were concentrated in six areas (designated A-F) as depicted on Figures 10 through 12. In addition, a soil stockpile was removed that had been created during the construction of a loading dock on the east side of the building. The following table provides the dimensions of the excavated areas:

Excavation Area	Length (feet)	Width (feet)	Depth (feet)
A	20	25	2
B	20	25	2
C	75	25	1
D	10	10	2
E[1]	15	10	2
F	75	40	1
Stockpile	185	35	-

[1] Original dimensions of Area E were 10' X 10' X 2' but were expanded due to the results of one sidewall confirmation sample exceeding 960 mg/kg for lead.

Upon excavation, confirmation samples were collected along the sidewalls at least every 25 linear feet and from the floor of the excavation at the rate of one sample per 500 square feet. Confirmation soil samples were also obtained from soil exposed beneath the removed soil stockpile at a rate of one sample per 500 square feet or portion thereof.

Collected soil samples were submitted to TestAmerica Laboratories, Inc. in Savannah, Georgia and tested for lead. Laboratory results are provided as Appendix B. The results of the laboratory testing are summarized as follows:

Sample ID	Sample Date	Result (mg/kg)	Sample ID	Sample Date	Result (mg/kg)
A-BM-1	12/01/2014	140	B-BM-1	12/01/2014	3.9
A-SW-1	12/01/2014	78	B-SW-1	12/01/2014	10
A-SW-2	12/01/2014	180	B-SW-2	12/01/2014	5.8
A-SW-3	12/01/2014	57	B-SW-3	12/01/2014	4.3
A-SW-4	12/01/2014	13	B-SW-4	12/01/2014	10
C-SW-1	12/01/2014	830	F-SW-3	12/03/2014	130
C-SW-2	12/01/2014	280	F-SW-4	12/03/2014	150
C-SW-3	12/01/2014	89	F-SW-5	12/03/2014	870
C-SW-4	12/01/2014	49	F-SW-6	12/03/2014	42
C-SW-5	12/01/2014	190	F-SW-7	12/03/2014	140
C-SW-6	12/01/2014	360	F-SW-8	12/03/2014	16
C-SW-7	12/01/2014	19	F-SW-9	12/03/2014	36
C-SW-8	12/01/2014	93	F-SW-10	12/03/2014	380
C-SW-9	12/01/2014	150	F-SW-11	12/03/2014	310
C-SW-10	12/01/2014	260	F-SW-12	12/03/2014	18
C-BM-1	12/01/2014	250	F-BM-1	12/03/2014	19
C-BM-2	12/01/2014	120	F-BM-2	12/03/2014	7.7
C-BM-3	12/01/2014	20	F-BM-3	12/03/2014	8.6
C-BM-4	12/01/2014	170	F-BM-4	12/03/2014	7.5
D-BM-1	12/02/2014	110	F-BM-5	12/03/2014	11
D-SW-1	12/02/2014	5.1	F-BM-6	12/03/2014	12
D-SW-2	12/02/2014	8	SP-1	12/04/2014	11
D-SW-3	12/02/2014	18	SP-2	12/04/2014	17
D-SW-4	12/02/2014	14	SP-3	12/04/2014	3.8
E-BM-1	12/02/2014	5.7	S-B-4	12/10/2014	200
E-SW-1	12/02/2014	340	S-B-5	12/10/2014	23
E-SW-2	12/02/2014	1100*	S-B-6	12/10/2014	11
E-SW-2A	12/03/2014	39	S-B-7	12/10/2014	16
E-SW-3	12/02/2014	910	S-B-8	12/10/2014	590
E-SW-4	12/02/2014	250	S-B-9	12/11/2014	7.1
F-SW-1	12/03/2014	23	S-B-10	12/11/2014	7.6
F-SW-2	12/03/2014	660	S-B-11	12/11/2014	12

*Additional excavation and testing conducted to address exceedance of RRS

The analytical results show that the objective of the remediation effort, to remove soil exceeding the Type 4 RRS for lead of 960 mg/kg, was achieved.

The excavation for Area C was backfilled with natural stone aggregate from a commercial source to support continuing truck traffic. All other excavated areas were backfilled with off-site borrow soils. Prior to its use on-site, the borrow soils were analyzed for priority pollutants and the results were below HSRA notification concentrations.

A soil profile was submitted to the Savannah Regional Industrial Landfill and the material was accepted as non-hazardous waste. A total of 3,011 tons of non-hazardous material consisting of excavated soil and the existing soil stockpile as shown on the figures was transported from the subject property to the Savannah Regional Industrial Landfill. This work was performed in compliance with applicable regulations for transporting such wastes and disposed of at a pre-approved facility permitted to accept the designated waste. The manifests documenting the tonnage of non-hazardous waste removed from the site are attached as Appendix G.

8.0 FATE AND TRANSPORT MODELING

As documented in previous submittals, the Property and surrounding properties are zoned heavy industrial and are connected to a municipal water supply source. In 2009, Amec Foster Wheeler assessed the potential presence of drinking water wells in the area of the Property using publicly available sources of pertinent information. The locations of twenty-one potential groundwater wells, nineteen of which are industrial water supply wells, were identified within a two-mile radius of the Property. However, based on the demonstrated groundwater flow direction to the east-southeast, no drinking water wells exist in the down gradient flow path of the contaminant plume.

Additionally, the Property lies in a hydrogeologic setting where groundwater typically exists as an unconfined surficial aquifer, underlain by an upper confining unit and the Floridan aquifer. Regional hydrogeologic conditions at the Property and surrounding areas indicate the first potable water is found in the Upper Floridan aquifer at least 300 feet below the site elevation. This aquifer is separated by an approximately 200 feet thick confining unit of the Floridan aquifer.

Under the VRP, "point of exposure" means the nearest of the closest existing down gradient drinking water supply well, the likely nearest future location of a drinking water well, or a hypothetical point of drinking water exposure located at a distance of 1000 feet down gradient from the delineated site contamination. Because there is no evidence of a potential drinking water source in the down gradient flow path of the contaminant plume, the relevant “point of exposure” for modeling purposes becomes a hypothetical point of drinking water exposure located at a distance of 1,000 feet down gradient of the delineated site contamination in the surficial aquifer. However, a surface water body, Dundee Canal, is located approximately 1,100 feet southeast from the estimated source location, and it acts as a physical barrier to further migration of dissolved phase contamination. As such, the Dundee Canal was used as the location of the nearest down gradient potential receptor for the purpose of modeling contaminant transport. There is no evidence to suggest that the Dundee Canal is used as a drinking water source.

No drinking water wells have been identified in the downgradient vicinity of the Property. In addition, Chatham County Ordinance §15-616 requires property owners to connect to a government-owned public or community water system when such connection is available within two hundred (200) feet of a building or residence, or available in the public rights-of-way abutting the property, regardless of distance. As a result, properties which have access to the public water supply are required to tie into that water supply as opposed to drilling a groundwater drinking well.

As documented in the April 30, 2012 (1st) Semi-Annual Report, the BIOCHLOR software was utilized to model the fate and transport of impacted groundwater in the shallow aquifer and the potential impact to the down gradient Dundee Canal. Amec Foster Wheeler had updated the previous fate and transport model utilizing the additional off-site data collected during subsequent progress periods to further validate the predicted plume migration toward the Dundee Canal. In response to comments received from EPD, the model has been further updated and is now included in Appendix D along with supporting documentation and a discussion of findings. In summary, the groundwater fate and transport modeling predicts that local drinking water sources will not be impacted by the plume and that CVOCs will not reach Dundee Canal at concentrations exceeding Georgia In-Stream Water Quality Standards. See Appendix D for a more detailed discussion.

9.0 POTENTIAL EXPOSURE PATHWAYS AND RECEPTORS AND REMEDIATION CRITERIA

An examination of potential exposure pathways and receptors was presented in previous reports and, in part, supplemented by recent research. Based on the data collected to date, the potential exposure pathways include:

- Potential exposure to regulated constituents in soil;
- Potential exposure to regulated constituents in groundwater;
- Potential exposure to regulated constituents in surface water;
- Potential exposure to regulated constituents due to vapor intrusion from impacted soil or groundwater beneath occupied buildings.

The subject Property is zoned heavy industrial and is located in close proximity to the Georgia Port Authority – Garden City Terminal Container Port in Savannah, Georgia. The Property is commercially developed with various structures which are currently leased for warehousing of wood construction products and for office space. Nearby property uses along Brampton Road and fronting along adjacent Main Street are zoned heavy industrial and commercial. The Property is bound to the south and southeast by rail lines, beyond which is undeveloped land that is heavily vegetated and essentially inaccessible. Unauthorized access to the Property is controlled through a partial enclosure provided by a fence on the northwest and south sides of the Property and railroad lines on the south-southeast side.

In order to eliminate certain exposure pathways, engineering and institutional controls will be implemented on the Property in the form of an Environmental Covenant that will (1) restrict the use of groundwater for drinking, (2) restrict residential use of the property and (3) restrict removal of the cover barrier over the VOC-impacted soil area (i.e. building floor slab or roof). The covenant will include a provision for annual certification of continued compliance.

9.1 SOIL CRITERIA

Based on the industrial use of the Property and surrounding property, all impacted properties are non-residential and, therefore, potential receptors include industrial workers, construction workers and utility workers. The applicable non-residential RRS for all constituents detected in soil on site are presented in Appendix F.

9.1.1 Subject Property

As documented in Appendix F, the HSRA regulated constituent, lead, was detected in soil samples above the non-residential RRS. Twenty additional regulated constituents were also detected, but not at concentrations above their applicable non-residential RRS.

Based on a site-specific condition, the non-residential soil RRS for leaching have not been applied for PCE and TCE detected in the vicinity of GP-05 because impacted soils are located beneath the slab of the building, effectively capping the impacted area, thus preventing leaching of the VOCs to groundwater. For soils located beneath the building, leaching through the soil column to groundwater would not occur without percolation. The building has an intact roof and slab foundation that would prevent rainfall percolation through the soil column. The building with its roof and slab foundation serves as a cap and should be considered an engineering control. EPD will be notified if the building foundation is modified or removed. After the application of the environmental covenant, current exposure pathways for soil including direct contact and leaching to groundwater, remain incomplete for current and future site workers. For off-site properties, the overall Type 2 RRS (leaching included) will be applicable.

Because the soil to groundwater pathway will effectively be incomplete, the non-residential soil RRS are based on direct contact only (incidental ingestion, dermal contact, and inhalation exposure pathways). This is a conservative approach because site workers do not currently and will not in the future have direct contact with soils beneath the slab as long as the foundation slab remains in place. As long as the building cover remains, leaching of the VOC-impacted soil will be an incomplete pathway. The highest VOC concentrations in soil do not exceed the direct contact RRS values. Therefore, this would be considered a Type 5 soil RRS that is protective of human health and no soil remediation removal is required for VOC impacts.

Lead is the only identified COC in soil which required removal. As discussed in more detail in Section 7.1, lead impacted soils exceeding the remediation criteria were excavated from the site and properly disposed. Following soil remediation activities, no HSRA regulated constituents remain in soil above their applicable non-residential RRS. As such, the subject site satisfies non-residential RRS criteria calculated for potential exposure to soil.

9.1.2 Adjacent Properties

As documented in Appendix F, the Type 2 RRS for lead calculated for the Property is 409 mg/kg. The leaching value for Type 2 is the same as Type 4 and equals 960 mg/kg. The Type 2

RRS for lead is based on the IEUBK calculation. This calculation is presented in Appendix F-1. Soil averaging was utilized for the calculation of the off-site RRS for lead. Sufficient surface soil data (8 for Norfolk Southern (NS) and 15 for McDonald Ventures) were available to complete the mean soil calculations. All data were within the 0-2 foot interval. The NS parcel outlined by hash lines (Figure 8 in the 2016 CSR) is approximately 700 feet long and 50 to 100 feet wide and is approximately 1.2 acres in size. It includes several rail lines that would limit the time spent in this area. However, it is not unreasonable to assume that a site worker may cover this area in a working day. Therefore, it is not necessary to subdivide this exposure domain. The hash line area on the McDonald Ventures property is approximately 0.8 acre in size. It also is not necessary to subdivide this exposure domain for site workers. The mean lead concentration for the eight off-site soil samples collected from the NS property located south of the Property is 75.5 mg/kg (Tables 10 and 11 in Appendix F-1). The mean lead concentration for the 15 off-site soil samples collected from the McDonald Ventures property is 178 mg/kg (Tables 12 and 13 in Appendix F-1). Based on these calculations, the NS and McDonald Ventures properties are in compliance with Type 2 RRS mean for lead in soil.

9.2 GROUNDWATER

Amec Foster Wheeler compared recent groundwater testing data from the site to Type 1 RRS for the constituents detected in groundwater on site. Based on the 2015 groundwater testing data, the site slightly exceeds groundwater RRS for TCE. However, groundwater beneath the Property is not used for drinking water. In addition, owners of the Property, as well as surrounding properties, are prevented from using groundwater as a drinking water source due to a Chatham County Ordinance prohibiting the installation of drinking water wells in areas served by municipal water systems. The Property will comply with Type 5 RRS upon execution of an Environmental Covenant that restricts groundwater usage. For these reasons, the on-site groundwater exposure pathway is incomplete.

As reported in the May 2000 Revised CSR and CAP, the facility on the Property has been connected to a municipal water supply source since 1992. Additionally, the adjacent building on the property to the northeast is supplied by the municipal water source.

In support of the previous Voluntary Remediation Plan dated June 29, 2009, Amec Foster Wheeler assessed the potential presence of drinking water wells in the area of the site using the publicly available sources of pertinent information. The locations of twenty-one potential groundwater wells, nineteen of which are industrial water supply wells, were identified within a

two-mile radius of the Property. Based on the current predicted extent of the VOC contaminant plume and the demonstrated groundwater flow direction to the east-southeast, no drinking water wells exist in the down gradient flow path of the contaminant plume as shown on Figure 17.

As discussed in Section 3.0, the Property lies in a hydrogeologic setting where groundwater typically consists of an unconfined surficial aquifer, underlain by an upper confining unit and the Floridan aquifer. Regional hydrogeologic conditions at the Property and surrounding areas indicate the first potable water is found in the Upper Floridan aquifer at least 300 feet below the site elevation. This aquifer is separated by an approximately 200 feet thick confining unit of the Floridian aquifer. During the Georgia EPD's SI in 1988, groundwater samples were collected from an on-site production well, as well as an off-site private drinking water well and a Garden City public supply well. No impacts of regulated constituents were detected in the three groundwater samples tested by Georgia EPD. This supports the conclusion that the drinking water supply wells in the area are not hydraulically connected to the plume originating on site and do not constitute potential receptors with respect to groundwater at the Property. Therefore, the exposure pathway for human consumption of impacted groundwater is incomplete.

Based on the groundwater data obtained during previous assessments, groundwater concentrations are below the risk reduction standards for construction and utility workers in the event that ground-disturbing activities intercept groundwater in the future. Commercial/industrial workers are not expected to come into contact with groundwater. Therefore, the exposure pathway of any workers is incomplete.

Based on the information obtained, the groundwater contaminant plume is limited to the Property and portions of the adjacent McDonald Ventures and Norfolk Southern properties. Fate and transport modeling predicts the plume to be stable so that future significant migration will be negligible. Therefore, exposure to contaminated groundwater is considered unlikely for both the residential and non-residential properties in the site vicinity due to the fact that local properties are all connected to municipal water supplies. Groundwater fate and transport modeling have demonstrated the groundwater conditions will not result in exceedances of drinking water standards within 1,000 feet downgradient of the current extent of the plume or Georgia in-stream water quality standards. As such, the site is in compliance with appropriate groundwater criteria under the VRP.

9.3 NO ON-GOING SOURCE

With the removal of all USTs on-site by 1992 and the termination of the on-site manufacturing activities associated with the identified soil and groundwater impacts in 1994, the known ongoing contributions to subsurface impacts have been eliminated. Additionally, no dense non-aqueous phase liquid (DNAPL) has existed on site based on comparison of dissolved concentrations with aqueous solubility levels for the regulated substances in groundwater. The Property is currently leased for the warehousing of wood construction products, paper products and for office space. Based on previous documentation and the RRS calculations presented in Appendix F, only lead-impacted shallow soils required removal which has been satisfactorily completed.

9.4 SURFACE WATER

Common environmental receptors in the area are surface water bodies and wetland areas. Previous surface water sampling provided no evidence to show discharges of Property groundwater contaminants have impacted the nearest down gradient surface water body, the Dundee Canal or its tributary canal. In addition, groundwater fate and transport modeling indicates the potential for surface water impacts from the on-site groundwater plume is negligible.

9.5 ON-SITE VAPOR INTRUSION

Multiple lines of evidence were utilized to evaluate the potential for subsurface contaminants to migrate to indoor air and pose a potential risk for current and future on-site receptors. Amec Foster Wheeler first evaluated the potential impact of soil gas on future indoor air quality for the warehouse building on the Property currently operated by Savannah Reload. The evaluation was completed in accordance with the June 2015 USEPA *Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air* . On August 28, 2016, three indoor air samples were collected to further evaluate the potential for vapor intrusion. The indoor air sampling results are summarized in Table E-1, Appendix E and is discussed in Section 9.5.5. The soil gas risk assessment is discussed first below.

9.5.1 Exposure Assessment

In order to identify soil gas constituents of potential concern (COPCs) for the vapor intrusion pathway, the maximum detected soil gas concentration for each compound was compared to target sub-slab soil gas concentrations from USEPA's Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.1 (May 2016). The VISL screening tables are presented in Appendix E (subsection Rheem). These screening levels are presented in Table E-2 and are based on

commercial and residential exposure scenarios. In accordance with HSRA, a target carcinogenic risk of 10^{-5} and target hazard index of 0.1 was used for the screening step. Although residential exposure is not currently present or planned with future development, screening using the residential VISLs was performed to capture constituents of potential concern (COPCs) for the indoor air vapor intrusion pathway. Four constituents were identified as soil gas COPCs: chloroform, tetrachloroethene, trichloroethene, and vinyl chloride. Vinyl chloride was below the commercial VISL, but above the residential VISL. These four constituents were carried through the vapor intrusion risk evaluation.

The four VOCs in soil gas were evaluated as a potential source of volatile emissions into a current/future commercial use and building located on the property. USEPA's OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air (USEPA, 2015) was utilized as a primary guidance document for assessing vapor intrusion into current and hypothetical future site buildings. In accordance with the guidance, estimated future indoor air concentrations were calculated at the site using USEPA's Johnson and Ettinger Model for Subsurface Vapor Intrusion into Buildings (SG-ADV, Version 3.1) (the J&E Model) (USEPA, 2004). The maximum detected concentrations were conservatively used as the soil gas exposure point concentrations in the J&E Model runs.

Default and site-specific modeling parameters were used for estimating indoor air concentrations (Table E-3). The depth of the soil gas sampling locations are 2 feet below a 6-inch slab. The soil type is primarily sandy clay. Soils were classified as SC (sandy clay) for the purposes of modeling. Also, for the purposes of modeling, the dimensions of the smallest enclosed building, Warehouse B, was conservatively used as the target building size. Warehouse B is approximately 179 feet by 100.5 feet with a 32-foot ceiling and 16-foot side eaves. For the commercial land use scenario, an assumed air exchange rate of 1.5 exchanges per hour was used (mean rate for commercial buildings per Exposure Factors Handbook – 2011 Update, USEPA, 2011). Commercial/industrial workers were assumed to be exposed for 250 days per year for 25 years (USEPA, 2014).

9.5.2 Toxicity Assessment

Toxicity values [Inhalation Reference Concentrations (RfCs) and Unit Risk Factors (URFs)] used in this evaluation were obtained from the USEPA Integrated Risk Information System (IRIS, 2016) and USEPA's May 2016 Regional Screening Level Table (USEPA, 2016). The toxicity values used in this assessment are listed on Table E-4 for commercial/site workers. The RfC is used to estimate non-carcinogenic inhalation hazards. The RfC is an estimate of the daily exposure to the

human population (including sensitive subgroups such as children and the elderly) that is likely to be without an appreciable risk of deleterious effects. The estimated hazard is compared to a target hazard index (HI) of one. Cumulative hazards less than one are not likely to be associated with systemic or non-carcinogenic health risks.

Using the chemical-specific URF, the cumulative carcinogenic risk for the indoor vapor intrusion pathway was calculated and compared to a target risk of 10^{-5}. If the cumulative carcinogenic risk for site workers is less than 10^{-5}, risk is considered to be in the acceptable range under the Hazardous Site Response Act (HSRA). The URF is characterized as an upper-bound estimate designed to be protective of the majority of the human population.

9.5.3 Risk Characterization – Vapor Intrusion Modeling

The J&E Model was used to estimate indoor air concentrations with maximum detected soil gas concentrations used as the input values. These estimated indoor air concentrations were then used to assess potential indoor air exposures and calculate cumulative incremental risks and hazards related to potential vapor intrusion into the site building (Table E-4). The J&E Model output for each COPC are provided in Appendix E (subdirectory Rheem). The J&E Model incorporates both convective and diffusive mechanisms for estimating the transport of contaminant vapors emanating from the subsurface into indoor spaces located directly above the source of contamination. The model is a one-dimensional analytical solution to vapor transport into indoor spaces, relating the vapor concentration in the building to the chemical concentration at the subsurface source area.

The J&E Model assumes the structure is located above the subsurface impacts and volatile emissions will enter through the concrete floor slab. This model does not incorporate dispersion, dilution, or bioattenuation. However, in actuality, the concentrations of volatile compounds may naturally attenuate over time. The model also assumes an infinite subsurface contamination source, while the distribution under the building is not homogeneous.

Table E-4 summarizes the results of the risk calculations for commercial land use. The estimated incremental risk from vapor intrusion in indoor air is 9×10^{-7}. The estimated hazard index (HI) for vapor intrusion to indoor air from the COPCs in soil gas is 0.3. The HI is less than one and the incremental risks are less than 1×10^{-5}. Based on these results, the vapor intrusion pathway would not pose an unacceptable hazard or risk to occupational receptors working in the on-site buildings, and would not be of concern to human health in the future.

9.5.4 Qualifications

The assessment assumes site workers will be exposed over a 25-year period for 250 days per year (USEPA, 2014). These assumptions would tend to overestimate risks because commercial workers do not typically remain in the same job and location for 25 years. In addition, the detected constituents are potentially biodegradable.

9.5.5 On-Site Indoor Air Sampling

As another line of evidence, three indoor air samples were collected for analysis on August 28, 2016. These samples were collected vertically above the highest groundwater concentrations that have been previously observed at the building. Air samples were collected over an 8-hour period to match the current commercial/industrial land use. The samples were analyzed for seven previously detected volatile compounds by Pace Analytical Services on August 30, 2016 by Method TO-15 MSV. Only acetone was detected at a concentration greater than the reporting limit. This compound was detected in all three samples, but not in the blank sample. Table E-1 shows the highest detection of acetone and the highest reporting limits for the six non-detected compounds. These concentrations were compared to USEPA May 2016 Vapor Intrusion Screening Levels (VISLs) for commercial and residential land use. Acetone was well below both VISLs. None of the other constituents of potential concern detected in soil gas were detected in the indoor air samples. The reporting limits for the other six compounds were sensitive enough to allow for comparison to commercial and residential indoor air VISLs based on a target cancer risk of 10^{-5} and target hazard index of 1, which is consistent with HSRA risk reduction standards and the analytical method is judged to be sufficiently sensitive for this risk-based comparison. In conclusion, there are no indoor air constituents of potential concern detected in the three indoor air samples. These two lines of evidence (soil gas and indoor air sampling) indicate there is no risk for current or future receptors located inside the building.

9.5.6 On-Site Vapor Conclusions

In August 2016, three indoor air samples were collected. Only one volatile compound, acetone, was detected in these samples and the concentrations detected were well below health-based screening criteria. Soil gas risk calculations were completed using the March 2016 maximum detected soil gas concentrations in the J&E Model in order to estimate the indoor air concentrations for COPCs. Risk and hazard associated with estimated indoor air exposures were then calculated by estimating indoor air exposure concentrations and comparing these concentrations to inhalation toxicity benchmarks. The resulting estimated cumulative hazards and

risks indicate no unacceptable risk or hazards for occupational receptors potentially exposed via indoor air vapor emissions based on maintaining the current hard cover and current building parameters. These two lines of evidence (sub-slab soil gas and indoor air samples) indicate that there is no risk for current or future receptors inside the building.

9.6 OFF-SITE VAPOR INTRUSION

During the fourth Semi-Annual Period, Amec Foster Wheeler evaluated the potential impact of groundwater contamination on future indoor air quality for the industrial warehouse building, McDonald Ventures LLC, located on the adjacent property to north addressed at 155 Brampton Road in Savannah, Georgia.

9.6.1 Vapor Intrusion Risk Evaluation

This McDonald Ventures property is commercially developed with an approximate 200,000 square-foot office/warehouse building which appears to be currently vacant and unoccupied. The surrounding area is in close proximity to the Georgia Port Authority – Garden City Terminal Container Port and is primarily industrial/commercial. The current building is situated on slab foundations. Maximum detected groundwater concentrations were used to estimate worst-case potential exposures for current and future industrial/commercial workers that might be exposed to indoor air vapor emissions from the subsurface.

Two groundwater monitoring wells (EW-3 and GW-9) located near the McDonald Ventures warehouse were sampled in March 2013 for volatile organic compounds (VOCs). Previous groundwater sampling events occurred on the adjacent Former Rheem Manufacturing site beginning in 1987 through 2012, but these data were previously included in the risk evaluation for the Former Rheem Manufacturing Site and are side-gradient to the McDonald Ventures site. These data are not considered representative of current groundwater conditions at the McDonald Ventures site. No VOCs were detected in the sample from EW-3. Five VOCs were detected in the GW-9 groundwater sample, and these data are further considered in the indoor air risk evaluation. The maximum detected groundwater VOC concentrations are listed on Table 8 and in Table E-5 in Appendix E.

The depth of the shallow zone of groundwater is represented by W-5 (average water depth of 9.5 feet bgs), EW-5 (average water depth of 3.4 feet bgs), and EW-3 (average water depth of 6.5 feet bgs). In general, the depth to water has an average depth of approximately 6.5 feet bgs.

9.6.2 Exposure Assessment

The maximum detected groundwater concentrations were compared to target groundwater concentrations from USEPA's Vapor Intrusion Screening Level (VISL) Calculator. These screening levels are presented in Table E-5 and are based on a conservative residential exposure scenario with target carcinogenic risk of 10^{-6} and target hazard index of 1. As a result of this screening step, only one constituent exceeded the screening criteria (TCE). However, the maximum detected concentration of TCE (1.65 µg/L) only slightly exceeded the screening value of 1.6 µg/L.

9.6.3 Risk Characterization – Vapor Intrusion Modeling

As a conservative measure, all five detected constituents in groundwater were evaluated as potential sources of volatile emissions into a current/future commercial use building located on the McDonald Ventures property. The GW-IA Module of the May 2016 VISL Calculator was used to estimate risks and hazards associated with indoor air exposures with groundwater concentrations used as the input values. The GW-IA Module calculations are provided in Appendix E (subdirectory McDonald Ventures). Using the maximum detected groundwater concentrations, the risk was estimated at 5.6×10^{-7} and the hazard index at 0.06. Based on these results, the vapor intrusion pathway would not pose an unacceptable hazard or risk to occupational receptors working in the on-site building, and would not be of concern to human health in the future; no additional investigation is necessary for the vapor intrusion pathway at the McDonald Ventures property.

9.6.4 Qualifications

This assessment assumes uniform exposure across the site although groundwater concentrations vary by location. The assessment also assumes site workers will be exposed over a 25-year period for 250 days per year (USEPA, 2014). These assumptions would tend to overestimate risks because commercial/warehouse workers do not typically remain in the same job and location for 25 years. In addition, the detected constituents are potentially biodegradable.

Whether volatile constituents are actually present under this building is not defined. Monitoring wells EW-1 south of the building and EW-3 north of the building are non-detect for VOCs. Monitoring wells GW-9 is west of the building and may exhibit VOCs coming from the southeast without passing underneath the McDonald Ventures building. This risk evaluation may overestimate site-related risks from indoor air exposures for these reasons.

9.6.5 Off-Site Vapor Conclusions

Risk calculations were completed using the March 2013 maximum detected groundwater concentrations in the GW-IA Module of the VISL Calculator. The resulting estimated cumulative hazards and risks indicate no unacceptable risk or hazards for current or future occupational receptors potentially exposed via indoor air vapor.

10.0 CONCLUSIONS

Based on the findings of assessment activities and the results of corrective action, the following conclusions are presented:

- No source remains on site. All soil impacts identified above applicable RRS have been removed and the concentrations of VOCs detected in groundwater do not indicate a DNAPL condition.
- The extent of lead-impacted soil has been horizontally and vertically delineated and impacted soils within the boundaries of the site exceeding applicable RRS have been removed and properly disposed. Soil conditions are certified in compliance with Type 4 RRS for lead on the Property. VOC-impacted soils located beneath the building are certified in compliance with the Type 4 direct contact RRS provided the building remains in place over the affected area around GP-05.
- The extent of groundwater impacts has been delineated. Groundwater modeling indicates that potential drinking water receptors will not be impacted by future groundwater migration. The Property complies with Type 5 RRS for all constituents in groundwater subject to the execution of an Environmental Covenant.
- An Environmental Covenant will be implemented upon agreement with EPD so that future Property use will maintain an incomplete groundwater exposure pathway. The responsible party will also provide an annual certification that the Property use remains non-residential; that the building capping the area around GP-05 remains intact; that no drinking water well has been installed on-site; and that no drinking water well has been installed on the affected portion of the Norfolk Southern property.
- Groundwater modeling indicates that potential surface water receptors will not be impacted at concentrations above Georgia's In-Stream standards.
- On-site soil vapor testing did not identify VOCs in soil above the respective commercial screening levels based on the current site use. Groundwater testing did not identify the potential for excess exposure to vapors in the adjacent McDonald Ventures building. No structures exist on the Norfolk Southern property.
- The subject Property which comprises the HSI site listed in the EPD's HSI site summary will be eligible for delisting because the parcels are in compliance with Type 4 RRS for soil and will be in compliance with Type 5 RRS for groundwater upon filing of the Environmental Covenant.

REFERENCES

IRIS, 2016. Integrated Risk Information System, www.epa.gov/iris.

USEPA, 2004. User's Guide for Evaluating Subsurface Vapor Intrusion into Buildings, Office of Emergency and Remedial Response, February 2004.

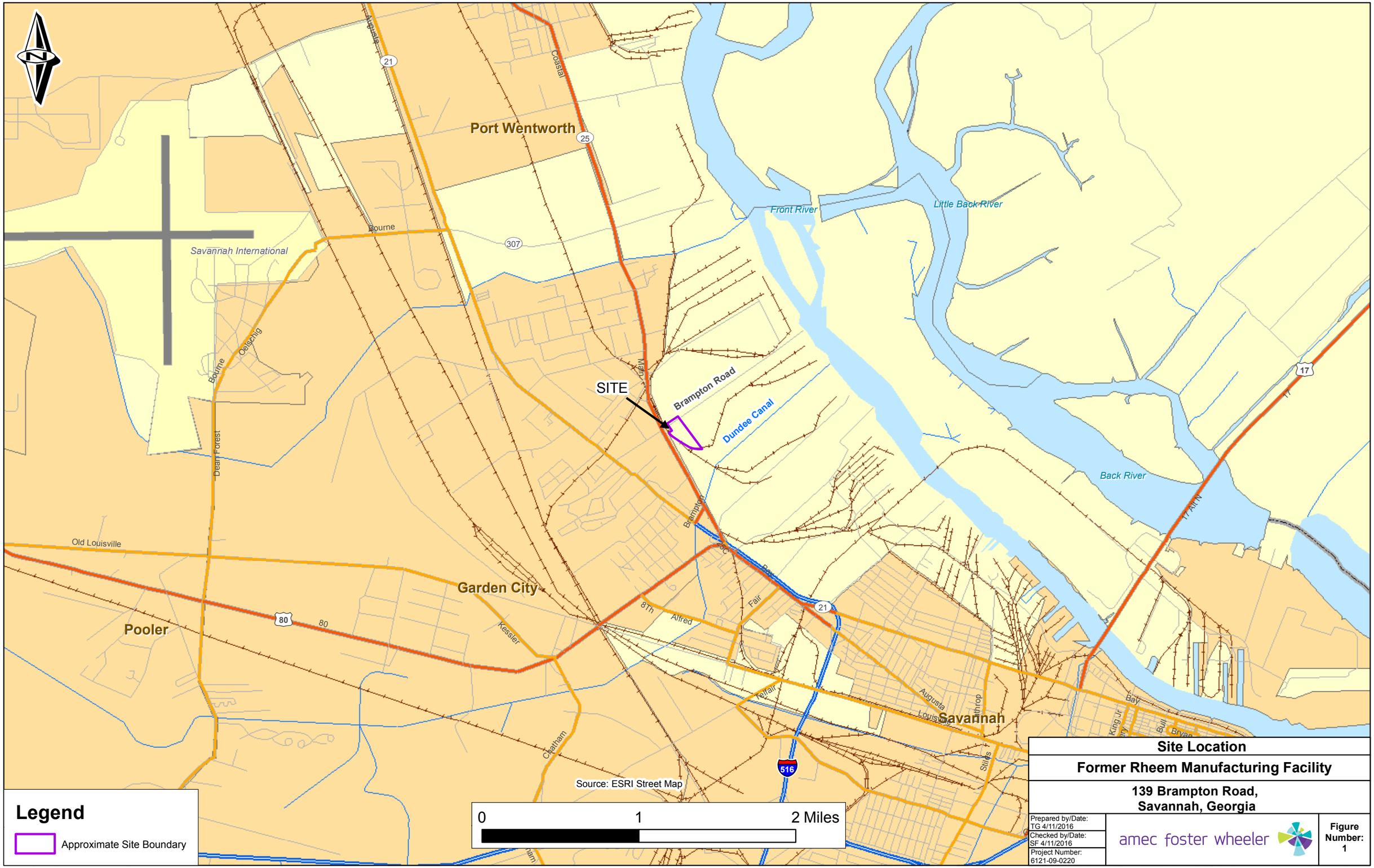
USEPA, 2011. Exposure Factors Handbook, 2011 Edition. EPA/600/R-090/052F, September 2011.

USEPA, 2014. Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors

USEPA, 2015. OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air

USEPA, 2016. Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.1 (May 2016 RSLs). https://www.epa.gov/vaporintrusion/vapor-intrusion-screening-levels-visls

FIGURES



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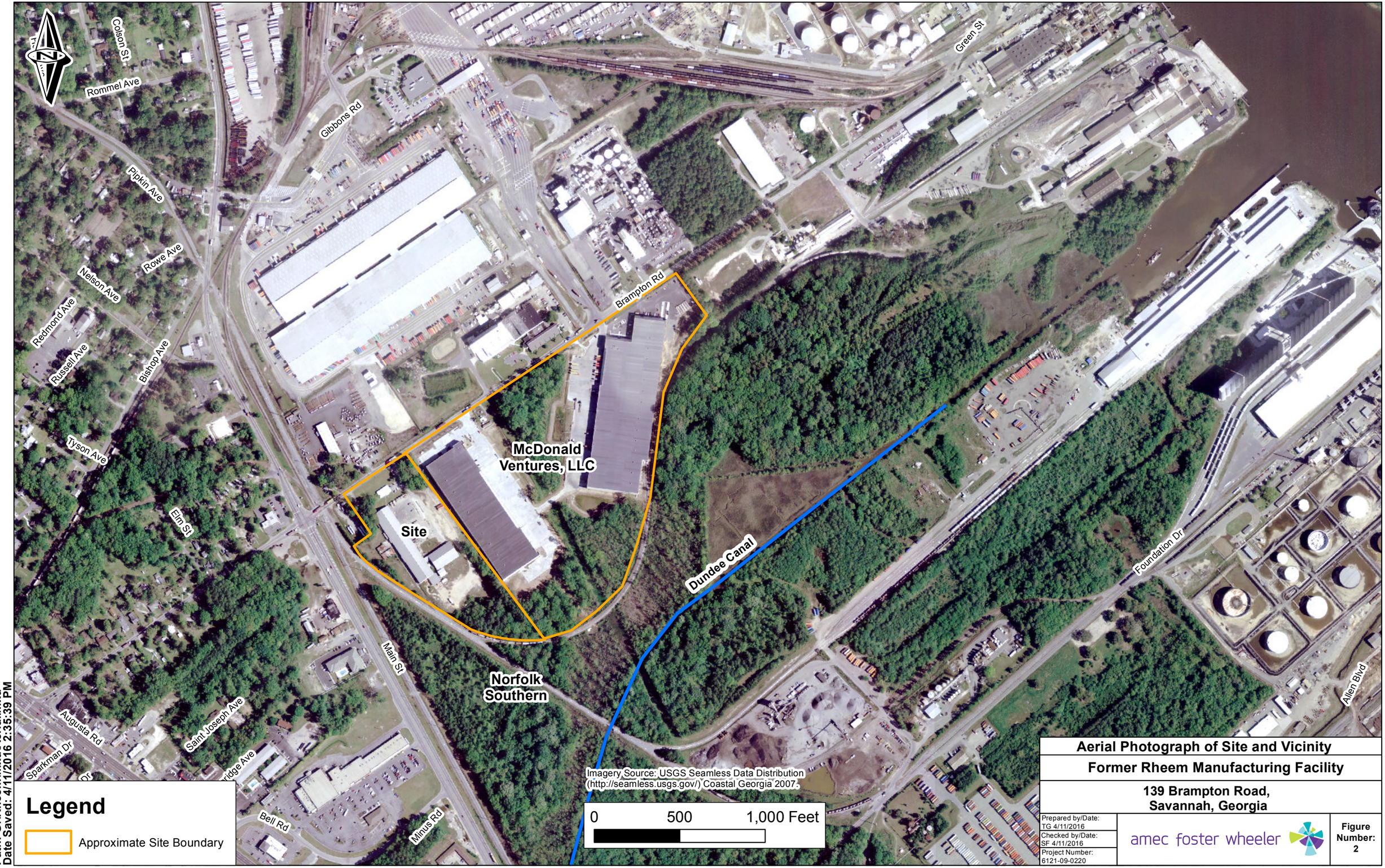
Site Location

Former Rheem Manufacturing Facility

139 Brampton Road, Savannah, Georgia

Prepared by/Date: TG 4/11/2016	amec foster wheeler
Checked by/Date: SF 4/11/2016	
Project Number: 6121-09-0220	

Figure Number: 1



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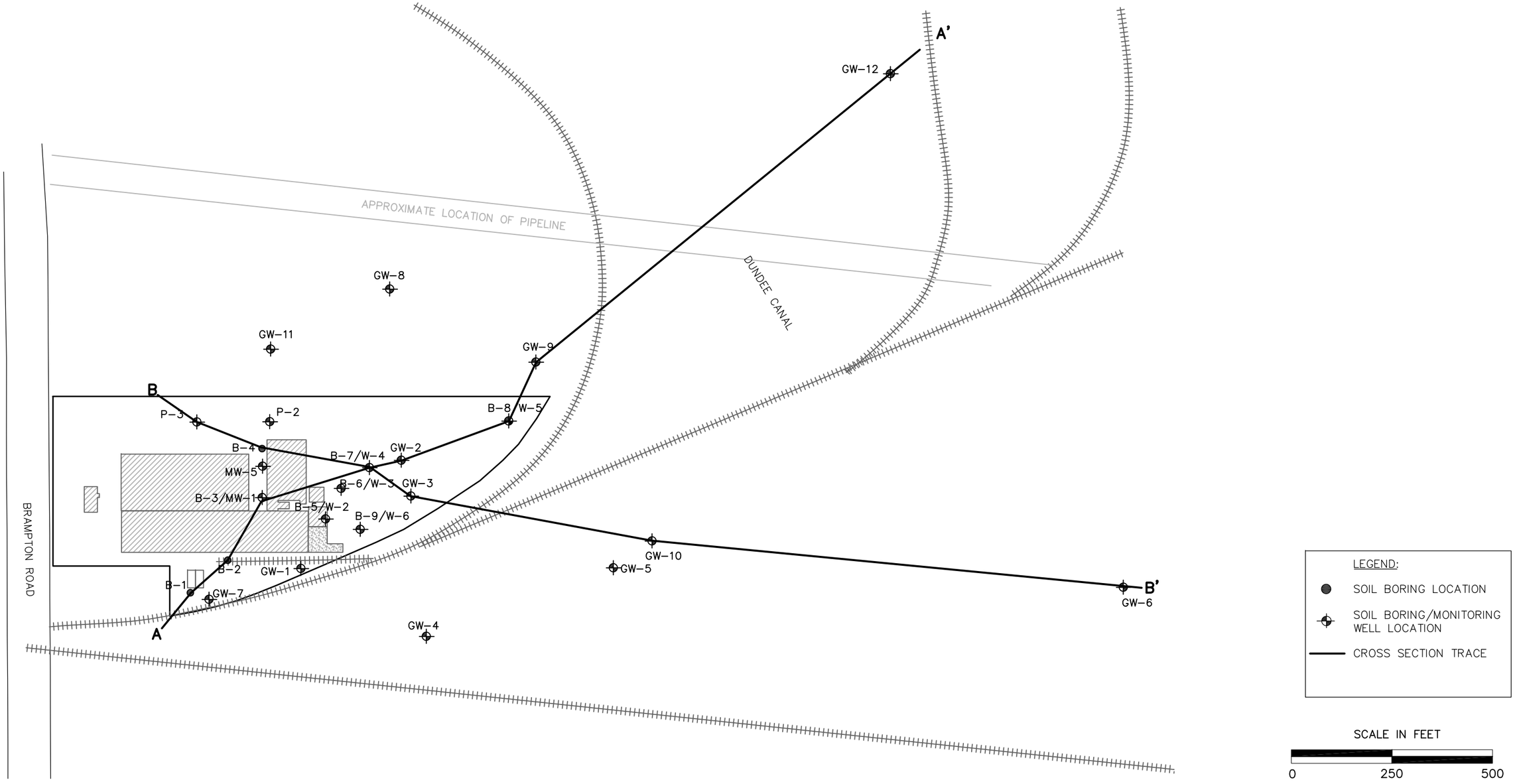
Aerial Photograph of Site and Vicinity

Former Rheem Manufacturing Facility

139 Brampton Road, Savannah, Georgia

Prepared by/Date: TG 4/11/2016	amec foster wheeler
Checked by/Date: SF 4/11/2016	Figure Number: 2
Project Number: 6121-09-0220	

J:\FORMER RHEEM\Rheem – Site.dwg – FIGURE 3 – SITE MAP X–SEC 04/25/2016



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139 BRAMPTON ROAD
SAVANNAH, GEORGIA

SITE MAP WITH CROSS SECTION TRACE

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121–09–0220	01	APRIL 2016	AS SHOWN	TG	SF	3

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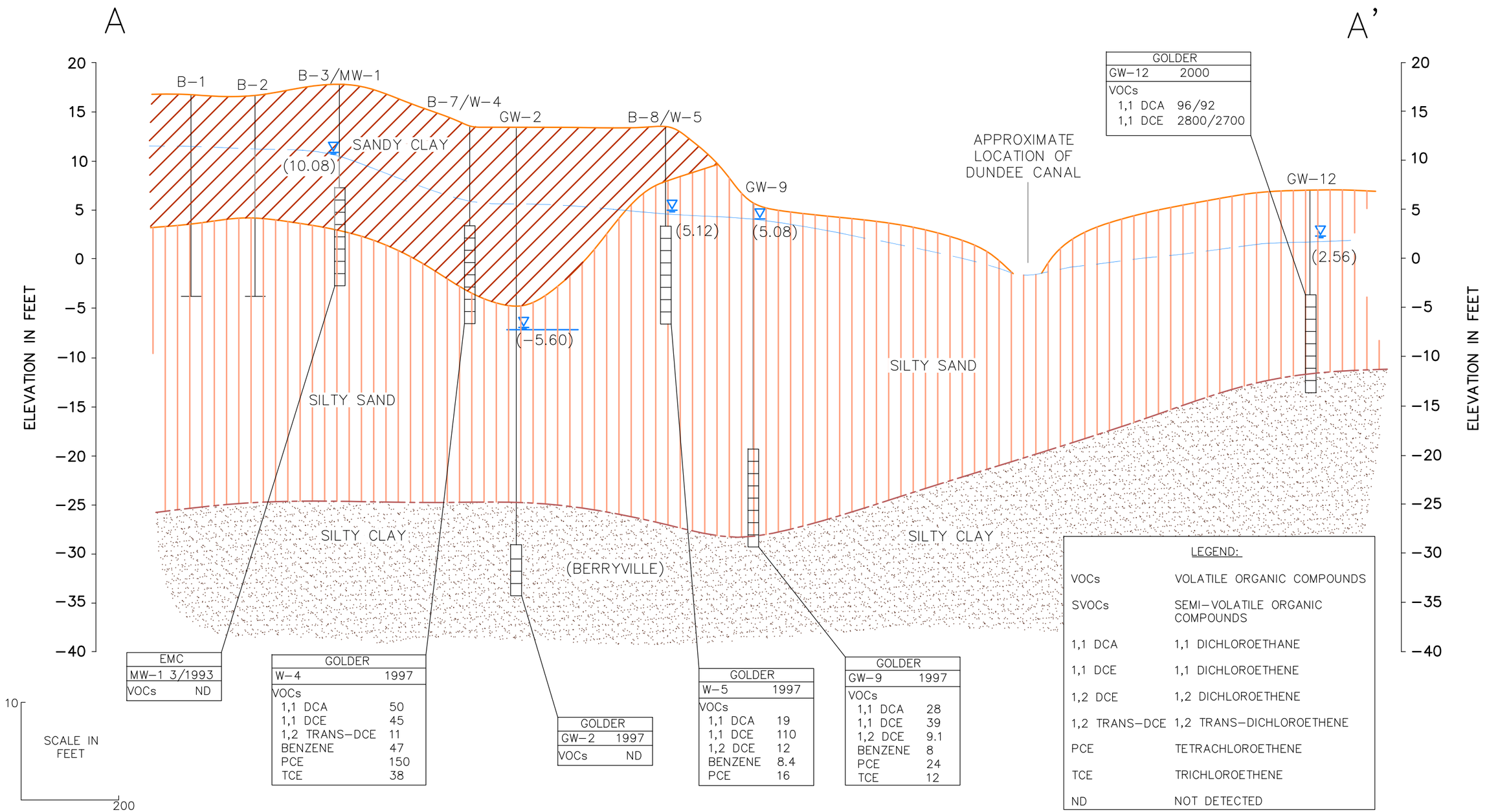

NOTE:
LABORATORY RESULTS REPORTED IN MIGROGRAMS PER LITER.

GROUNDWATER ELEVATIONS COLLECTED BY GOLDER ON MARCH 29, 2000 AND REPORTED IN THE REVISED CSR DATED MAY 2000.

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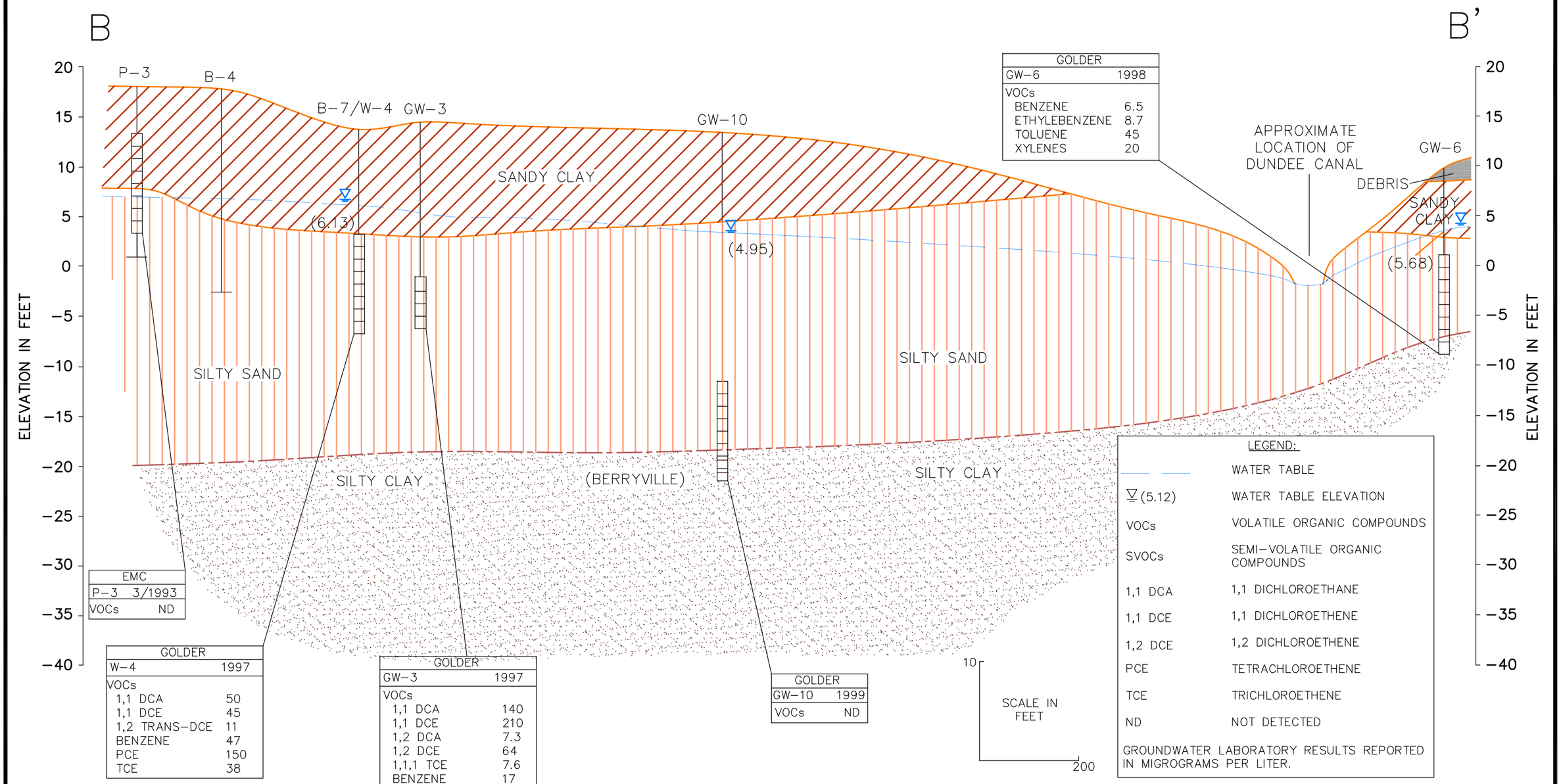
SAVANNAH, GEORGIA

GEOLOGIC CROSS SECTION
A – A'

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121-09-0220	01	APRIL 2016	AS SHOWN	TG	SF	4



GROUNDWATER ELEVATIONS COLLECTED BY GOLDER ON MARCH 29, 2000 AND REPORTED IN THE REVISED CSR DATED MAY 2000.

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FORMER RHEEM MANUFACTURING FACILITY
SAVANNAH, GEORGIA

GEOLOGIC CROSS SECTION
B – B'

Job Number	Task	Date	Scale	Drawn By	Approved By	Figure
6121-09-0220	01	APRIL 2016	AS SHOWN	TG	SF	5

J:\FORMER RHEEM\Rheem – SOIL RESULTS.dwg – Figure 7 – SOIL RESULTS 04/25/2016

DAMES & MOORE				
B–5 11/1987	3–4FT	5–6FT	9–10FT	14–15FT
VOCs	ND	NA	NA	ND
METALS				
BARIUM	NA	36	14	NA
CADMIUM	NA	0.051	0.012	NA
CHROMIUM	NA	34	65	NA
LEAD	NA	5.3	12	NA
MERCURY	NA	ND	0.04	NA
NICKEL	NA	7.5	12	NA

DAMES & MOORE				
B–6 11/1987	3–4FT	5–6FT	9–10FT	13–14FT
VOCs	ND	NA	ND	NA
METALS				
BARIUM	NA	31	NA	84
CHROMIUM	NA	16	NA	11
LEAD	NA	5.3	NA	0.83
NICKEL	NA	3.3	NA	2.5

GOLDER							
GW–2 2/1997 3.5–5FT	8.5–10FT	13.5–15FT	18.5–20FT	28.5–30FT	38.5–39.5FT	39.5–40FT	42.5–44FT
VOCs ND	ND	ND	ND	ND	ND	ND	ND

DAMES & MOORE				
B–7 11/1987	3–4FT	5–6FT	9–10FT	13–14FT
VOCs	ND	NA	NA	ND
METALS				
BARIUM	NA	7.1	450	NA
CADMIUM	NA	0.012	ND	NA
CHROMIUM	NA	53	23	NA
LEAD	NA	5.1	15	NA
NICKEL	NA	12	8	NA

DAMES & MOORE			
B–8 11/1987	5–6FT	14–15FT	19–20FT
VOCs	NA	ND	NA
METALS			
BARIUM	12	NA	93
CADMIUM	0.018	NA	0.025
CHROMIUM	30	NA	30
LEAD	8	NA	7.7
NICKEL	6	NA	4.2

DAMES & MOORE		
B–4 11/1987	9–10FT	14–15FT
VOCs		
BENZENE	ND	19
ETHYLBENZENE	ND	17
TOLUENE	ND	53
XYLENE	ND	40
METALS		
LEAD	7.2	2.8

GOLDER			
GW–3 2/1997	0–5FT	9–10.5FT	14–15.5FT
VOCs			
CHLOROBENZENE	2400	ND	ND
STYRENE	3800	780	ND
TOLUENE	1000	ND	ND
ETHYLBENZENE	14000	2800	ND
XYLENES	18000	4000	ND

DAMES & MOORE		
B–3 11/1987	9–10FT	19–20FT
SVOCs		
ACENAPHTHALENE	15	ND
ACENAPHTHYLENE	0.42	ND
FLUORANTHENE	2.4	ND
FLUORENE	13	ND
NAPHTHALENE	2	ND

DAMES & MOORE				
B–9 11/1987	5–6FT	9–10FT	14–15FT	
VOCs	NA	ND	NA	
METALS				
BARIUM	38	NA	8	
CADMIUM	0.016	NA	0.02	
CHROMIUM	25	NA	35	
LEAD	12	NA	3.3	
NICKEL	5.2	NA	16	

GOLDER				
GW–5 3/1998	0–2FT	4.5–6FT	9.5–11FT	14.5–16FT
VOCs	ND	ND	ND	ND

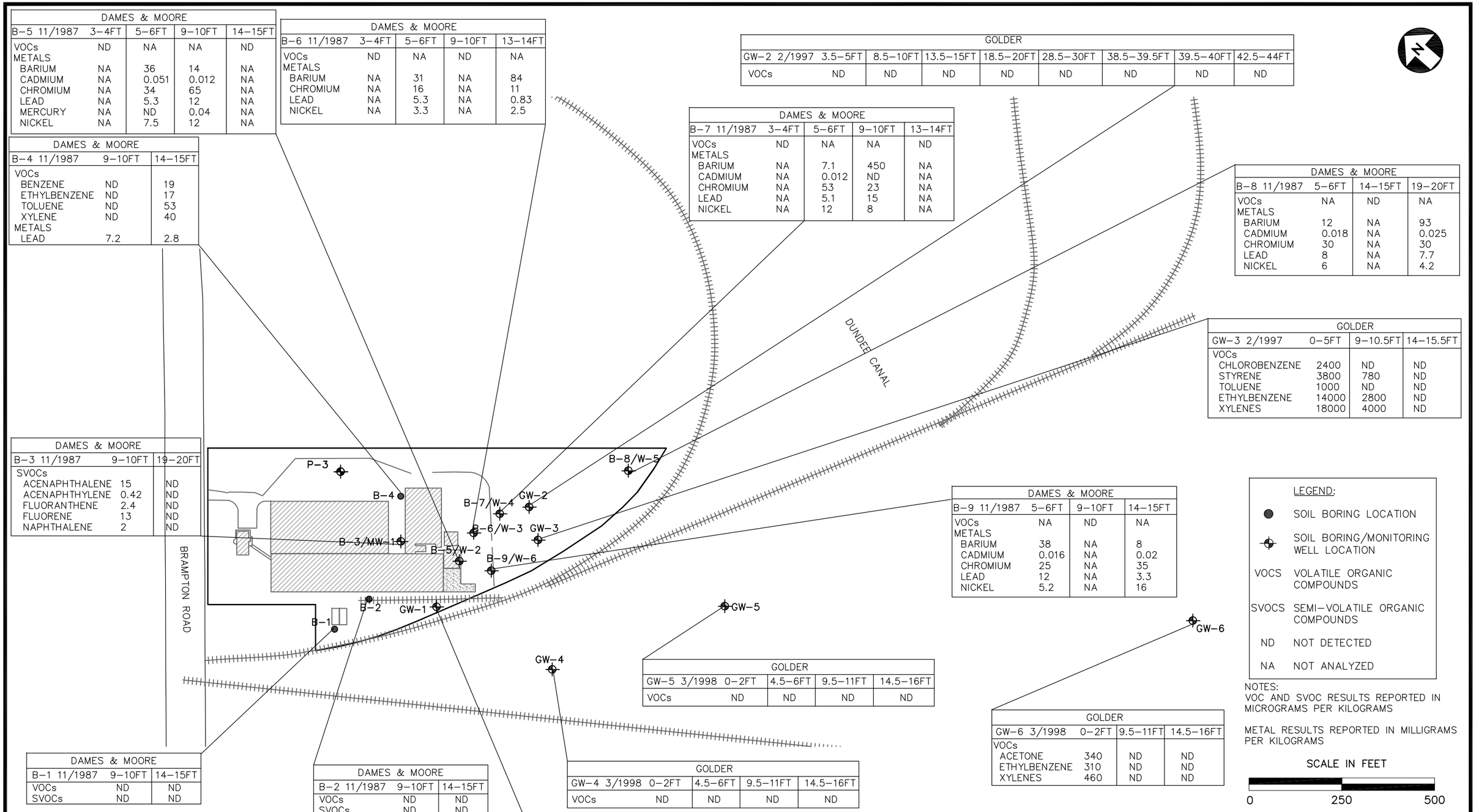
GOLDER			
GW–6 3/1998	0–2FT	9.5–11FT	14.5–16FT
VOCs			
ACETONE	340	ND	ND
ETHYLBENZENE	310	ND	ND
XYLENES	460	ND	ND

DAMES & MOORE		
B–1 11/1987	9–10FT	14–15FT
VOCs	ND	ND
SVOCs	ND	ND

DAMES & MOORE		
B–2 11/1987	9–10FT	14–15FT
VOCs	ND	ND
SVOCs	ND	ND

GOLDER				
GW–4 3/1998	0–2FT	4.5–6FT	9.5–11FT	14.5–16FT
VOCs	ND	ND	ND	ND

GOLDER				
GW–1 2/1997	4–5.5FT	9–10.5FT	14–15.5FT	18–19.5FT
VOCs	ND	ND	ND	ND



LEGEND:

- SOIL BORING LOCATION
- SOIL BORING/MONITORING WELL LOCATION
- VOCS VOLATILE ORGANIC COMPOUNDS
- SVOCS SEMI–VOLATILE ORGANIC COMPOUNDS
- ND NOT DETECTED
- NA NOT ANALYZED

NOTES:
VOC AND SVOC RESULTS REPORTED IN MICROGRAMS PER KILOGRAMS

METAL RESULTS REPORTED IN MILLIGRAMS PER KILOGRAMS

SCALE IN FEET

0 250 500

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SAVANNAH, GEORGIA

SUMMARY OF SOIL
TESTING RESULTS
1987–1998

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121–09–0220	01	APRIL 2016	AS SHOWN	TG	SF	6

AMEC		
EW-1 3/5/2012	2-4FT	
VOCs	BRL	
PAHs	BRL	
METALS		
BARIUM	60.8	
CHROMIUM	7.13	
LEAD	<5.70	

AMEC		
GP-09 3/6/2012	1-2FT	5-6FT
VOCs	BRL	BRL
PAHS	BRL	BRL
METALS		
BARIUM	25.4	77.4
CHROMIUM	7.82	11.9
LEAD	27.9	19.9

AMEC			
GP-10 3/6/2012	0-1FT	2-3FT	6-7FT
VOCs	NT	BRL	BRL
PAHS	NT	BRL	BRL
METALS			
ARSENIC	NT	8.12	<6.31
BARIUM	NT	40	31.3
CHROMIUM	NT	14.1	17.3
LEAD	24.3	16.2	8.62

AMEC			
GP-16 3/6/2012	1-2FT	6-7FT	DUP6-7FT
VOCs	BRL	BRL	BRL
PAHS	BRL	BRL	BRL
METALS			
ARSENIC	<6.18	8.15	<6.15
BARIUM	28.7	72.6	43.3
CHROMIUM	9.7	12.2	12.3
LEAD	32.7	13.7	7.33

DAMES & MOORE				
B-6 11/1987	3-4FT	5-6FT	9-10FT	13-14FT
VOCs	ND	NA	ND	NA
METALS				
BARIUM	NA	31	NA	84
CHROMIUM	NA	16	NA	11
LEAD	NA	5.3	NA	0.83
NICKEL	NA	3.3	NA	2.5

DAMES & MOORE				
B-7 11/1987	3-4FT	5-6FT	9-10FT	13-14FT
VOCs	ND	NA	NA	ND
METALS				
BARIUM	NA	7.1	450	NA
CADMIUM	NA	0.012	ND	NA
CHROMIUM	NA	53	23	NA
LEAD	NA	5.1	15	NA
NICKEL	NA	12	8	NA

GOLDER		
GW-2 2/1997	3.5-5FT	8.5-10FT
VOCs	ND	ND

AMEC		
GP-24 3/7/2012	3-4FT	
VOCs	BRL	
PAHs	BRL	
METALS		
BARIUM	70.6	
CHROMIUM	9.05	
LEAD	21.7	

AMEC		
GP-08 3/6/2012	6-7FT	
VOCs		
CYCLOHEXANE	0.025	
ETHYLBENZENE	0.034	
ISOPROPYLBENZENE	0.055	
METHYLCYCLOHEXANE	0.085	
PAHs	BRL	
1-METHYLNAPHTHALENE	1.2	
METALS		
BARIUM	34.6	
CHROMIUM	7.28	
LEAD	10.8	

GOLDER			
GW-3 2/1997	0-5FT	9-10.5FT	14-15.5FT
VOCs			
CHLOROBENZENE	2.4	ND	ND
STYRENE	3.8	0.780	ND
TOLUENE	1.0	ND	ND
ETHYLBENZENE	14.0	2.8	ND
XYLENES	18.0	4.0	ND

*APPROXIMATE DEPTH TO WATER 6.17ft TO 8.92ft

AMEC		
GP-06 3/7/2012	4-5FT	
VOCs	BRL	
PAHs	BRL	
METALS		
BARIUM	42.6	
CHROMIUM	8.15	
LEAD	<6.02	

DAMES & MOORE				
B-5 11/1987	3-4FT	5-6FT	9-10FT	14-15FT
VOCs	ND	NA	NA	ND
METALS				
BARIUM	NA	36	14	NA
CADMIUM	NA	0.051	0.012	NA
CHROMIUM	NA	34	65	NA
LEAD	NA	5.3	12	NA
MERCURY	NA	ND	0.04	NA
NICKEL	NA	7.5	12	NA

AMEC		
GP-25 3/7/2012	3-4FT	
VOCs	BRL	
PAHs	BRL	
METALS		
BARIUM	34.1	
CHROMIUM	6.58	
LEAD	6.59	

AMEC		
GP-26 3/7/2012	2-3FT	
VOCs	BRL	
PAHs	BRL	
METALS		
BARIUM	28.8	
CHROMIUM	28.3	
LEAD	11.2	

AMEC		
GP-32 3/19/2013	1FT	1-2FT
VOCs		
ACETONE	NT	0.0107
METALS		
LEAD	8	NT

AMEC		
GP-05 3/6/2012		2-3FT
VOCs		
cis 1,2 DICHLOROETHENE		1.8
TETRACHLOROETHENE		5.2
trans 1,2 DICHLOROETHENE		0.043
TRICHLOROETHENE		2.2
PAHs		BRL
METALS		
BARIUM		23
CHROMIUM		6.07
LEAD		6.58

AMEC		
GP-35 3/19/2013	2-3FT	DUP2-3FT
VOCs		
ACETONE	0.0105	0.0118

AMEC		
GP-34 3/19/2013	2-3FT	
VOCs		
ACETONE	0.0113	

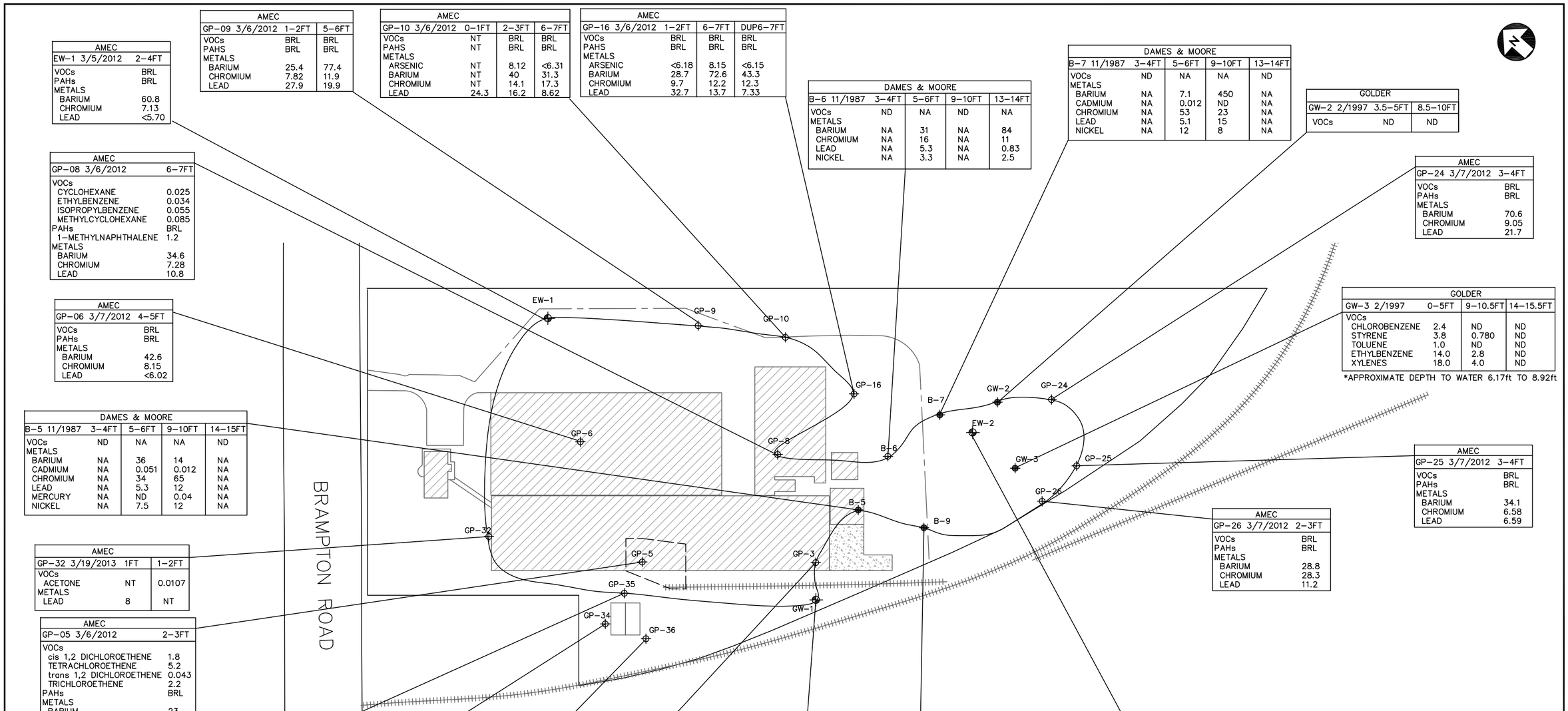
AMEC		
GP-36 3/19/2013	2-3FT	
VOCs	BRL	

AMEC		
GP-03 3/5/2012	1-2FT	6-7FT
VOCs		
1,1,1 TRICHLOROETHANE	0.017	<0.0052
PAHS	BRL	BRL
METALS		
ARSENIC	<6.49	26
BARIUM	25.8	21.8
CHROMIUM	6.87	23.9
LEAD	8.13	6.88

DAMES & MOORE				
B-9 11/1987	5-6FT	9-10FT	14-15FT	
VOCs	NA	ND	NA	
METALS				
BARIUM	38	NA	8	
CADMIUM	0.016	NA	0.02	
CHROMIUM	25	NA	35	
LEAD	12	NA	3.3	
NICKEL	5.2	NA	16	

GOLDER				
GW-1 2/1997	4-5.5FT	9-10.5FT	14-15.5FT	18-19.5FT
VOCs	ND	ND	ND	ND

AMEC		
EW-2 3/6/2012	3-4FT	5-6FT
VOCs		
1,2 DICHLOROBENZENE	0.13	<0.0067
1,3 DICHLOROBENZENE	0.0074	<0.0067
1,4 DICHLOROBENZENE	0.018	<0.0067
2 BUTANONE	0.066	<0.067
ACETONE	0.49	<0.130
BENZENE	0.014	0.019
CARBON DISULFIDE	0.011	<0.013
CHLOROBENZENE	0.096	<0.0067
ETHYLBENZENE	11	<0.0067
ISOPROPYLBENZENE	0.18	<0.0067
METHYLCYCLOHEXANE	0.027	<0.0067
TOLUENE	0.018	<0.0067
XYLENES	3.74	<0.0067
PAHS	BRL	BRL
METALS		
ARSENIC	<5.38	7.61
BARIUM	72.1	64
CHROMIUM	102	16.2
LEAD	466	12.5
MERCURY	0.491	<0.132



SCALE IN FEET

0 100 200

LEGEND:

- SOIL BORING LOCATION (AMEC)
- SOIL BORING LOCATION (OTHERS)
- ABANDONED MONITORING WELL LOCATION
- EXISTING MONITORING WELL LOCATION
- VOCS VOLATILE ORGANIC COMPOUNDS
- SVOCS SEMI-VOLATILE ORGANIC COMPOUNDS
- ND NOT DETECTED
- NA NOT ANALYZED
- BRL BELOW LABORATORY REPORTING LIMITS
- APPROXIMATE EXTENT OF VOCs LESS THAN SOIL DELINEATION CRITERIA
- LOCATION OF VOCs GREATER THAN THE SOIL DELINEATION CONCENTRATION CRITERIA

NOTES:
RESULTS REPORTED IN MILLIGRAMS PER KILOGRAMS

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REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED
DRAWN TJB
CHECKED CTF
IN CHARGE CTF
DATE APRIL 2014

139 BRAMPTON ROAD
SAVANNAH, GEORGIA

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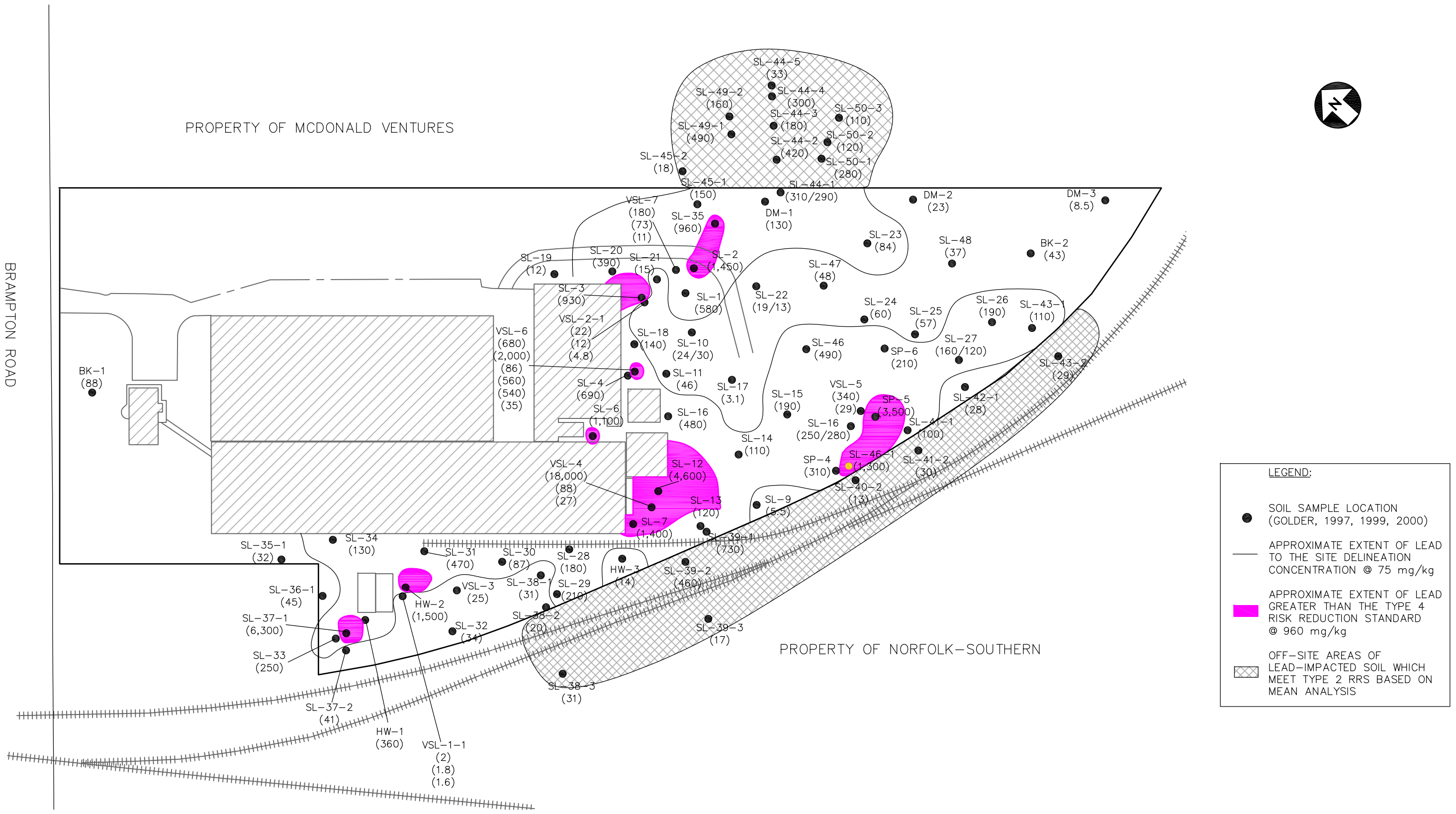
SUMMARY OF SOIL TEST RESULTS

SCALE AS SHOWN
CONTRACT 6121-09-0220
FIGURE NO. 7 | REV | PAGE NO

J:\FORMER RHEEM\Rheem – Lead IMPACTED SOIL.dwg – Figure 2 – Site Plan 04/29/2016



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MANUFACTURING FACILITY
SAVANNAH, GEORGIA

EXTENT OF LEAD IMPACTED SOIL

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121–09–0220	01	APRIL 2016	AS SHOWN	TG	SF	8

AMECFW		
EW-1	3/8/2012	8/13/15
VOCs	BRL	BRL
METALS		
BARIUM, TOTAL	74	NT
BARIUM, DISSOLVED	68.5	NT

EMC	
P-3	3/1993
VOCs	ND

	EMC	GOLDER
P-2	3/1993	1999
VOCs		
1,1 DICHLOEOETHANE	65.5	33
1,1 DICHLOROETHENE	90.7	23

	DAMES & MOORE		GOLDER	
W-4	11/6/1987	11/19/1987	1997	1997-DUP
VOCs				
1,1 DICHLOROETHANE	130	88	50	48
1,1 DICHLOROETHENE	36	130	45	43
trans 1,2 DICHLOROETHENE	30	30	11	10
BENZENE	14	15.5	47	47
CARBON TETRACHLORIDE	ND	6.2	ND	ND
TETRACHLOROETHENE	1,800	1,000	150	140
TRICHLOROETHENE	40	39	38	37
VINYL CHLORIDE	ND	ND	ND	ND
SVOCs				
1,2 DICHLOROBENZENE	ND	1.1	NT	NT
METALS				
BARIUM	520	520	NT	NT

W-5	DAMES & MOORE	EMC	GOLDER	AMECFW	
	11/6/1987	3/1993	1997	3/8/2012	8/13/15
VOCs					
1,1 DICHLOROETHANE	9.7	127.7	19	28	16.3
1,1 DICHLOROETHENE	44	ND	110	70	48.6
1,2 DICHLOROETHANE	ND	ND	12	<5.0	1.93
cis 1,2 DICHLOROETHENE	ND	ND	<5.0	6.3	4.38
trans 1,2 DICHLOROETHENE	ND	ND	<5.0	<5.0	<1.0
1,1,2 TRICHLOROETHANE	ND	ND	7	<5.0	<1.0
BENZENE	ND	ND	8.4	<5.0	<1.0
TETRACHLOROETHENE	12	26.6	16	120	59.5
TRICHLOROETHENE	ND	ND	<5.0	57	34.0
VINYL CHLORIDE	ND	ND	<10	<2.0	<1.0
METALS					
BARIUM, TOTAL	200	NT	NT	33.3	NT
BARIUM, DISSOLVED	NT	NT	NT	31.8	NT
NICKEL	30	NT	NT	NT	NT

	GOLDER	AMECFW	TYPE 1	TYPE 2
GW-9	1999	3/20/2013		
VOCs				
1,1 DICHLOROETHANE	28	6.14	4000	25
1,1 DICHLOROETHENE	39	15	7	100
1,2 DICHLOROETHENE	9.1	<1.0	5	1.6
BENZENE	8	1.22	5	4.5
TETRACHLOROETHENE	24	5.51	5	19
TRICHLOROETHENE	12	1.65	5	1

NOT FOUND FOR 2015 SAMPLING EVENT

GOLDER	
GW-8	1999
VOCs	
CHLOROFORM	1.3

AMECFW		
EW-3	3/20/2013	8/11/15
VOCs	BRL	BRL

AMECFW				
EW-6	2/12/2014	8/12/15	TYPE 1	TYPE 2
VOCs				
1,1 DICHLOROETHANE	2.16	8.29	4,000	25
1,1 DICHLOROETHENE	2.82	13.2	7	108

AMECFW		
EW-5	2/12/2014	8/12/15
VOCs	BR	BRL

AMECFW				
EW-7	2/12/2014	8/12/15	TYPE 1	TYPE 2
VOCs				
1,1 DICHLOROETHANE	3.72	5.06	4,000	25
1,1 DICHLOROETHENE	10.7	14.4	7	100
TRICHLOROETHENE	4.34	7.4	5	1
CIS-1,2-DICHLOROETHENE	<1.0	6.19	70	31

AMECFW				
EW-2	3/8/2012	8/13/15		
VOCs				
1,1 DICHLOROETHANE	5.7	3.79		
1,1 DICHLOROETHENE	7.7	6.34		
cis 1,2 DICHLOROETHENE	16	10.5		
METHYL TERT-BUTYL ETHER	5.1	<2.0		
TETRACHLOROETHENE	76	31.2		
TRICHLOROETHENE	51	21.0		
METALS				
BARIUM, TOTAL	74.1	NT		
BARIUM, DISSOLVED	56.5	NT		

EMC	GOLDER
MW-5	3/1993	1997
VOCs		
1,1 DICHLOEOETHANE	ND	5.4

EMC	
MW-1	3/1993
VOCs	ND

DAMES & MOORE	
W-3	11/6/1987
VOCs	
1,1 DICHLOROETHANE	20
1,1 DICHLOROETHENE	8.8
1,2 DICHLOROETHANE	51
trans 1,2 DICHLOROETHENE	100
1,1,1 TRICHLOROETHANE	9
BENZENE	12
CHLOROBENZENE	11
TRICHLOROETHENE	95
VINYL CHLORIDE	3.6
SVOCs	
1,2 DICHLOROBENZENE	40
METALS	
BARIUM	280
LEAD	40
NICKEL	50

AMECFW		
EW-4	2/12/2014	8/11/15
VOCs	BRL	BRL

GOLDER		AMECFW			
GW-10	1999	2/13/2013	8/12/15	TYPE 1	TYPE 2
VOCs					
TETRACHLOROETHENE	<5.0	1.17	4.44	5	19
TRICHLOROETHENE	<5.0	2.55	3.0	5	1
CIS-1,2-DICHLOROETHENE	<5.0	<5.0	1.23	70	31

GOLDER		AMECFW	
GW-5	1998	2/13/2014	8/12/15
VOCs	ND	BRL	BRL

GOLDER		AMECFW	
GW-4	1998	2/13/2014	8/12/15
VOCs	ND	BRL	BRL

GOLDER		AMECFW	
GW-7	1999	3/8/2012	2/13/2014	8/13/15
VOCs				
XYLENES	68	230	<2.0	<2.0
METALS	NT	BRL	NT	NT

GOLDER		AMECFW	
GW-1	1997	3/8/2012	8/13/15
VOCs			
TETRACHLOROETHENE	23	<5.0	<1.0
TRICHLOROETHENE	11	<5.0	<1.0
METALS			
BARIUM, TOTAL	NT	34.1	NT
BARIUM, DISSOLVED	NT	26.2	NT

	DAMES & MOORE	EMC
W-2	11/6/1987	3/1993
VOCs		
1,1 DICHLOROETHANE	24	41
1,1 DICHLOROETHENE	25	485
trans 1,2 DICHLOROETHENE	93	ND
1,1,1 TRICHLOROETHANE	18	40
BENZENE	ND	15
ETHYLBENZENE	12	ND
METHYLENE CHLORIDE	6.7	ND
TETRACHLOROETHENE	5.9	ND
TRICHLOROETHENE	7.7	ND
TOLUENE	19	ND
VINYL CHLORIDE	24	22.8
METALS		
BARIUM	350	NT
BERYLLIUM	NT	3
LEAD	20	NT
MERCURY	ND	7
NICKEL	80	NT

DAMES & MOORE	EMC	
W-6	11/6/1987	3/1993
VOCs		
1,1 DICHLOROETHANE	3	ND
1,2 TRANS-DICHLOROETHENE	3.9	ND
TRICHLOROETHENE	17	6.6
METALS		
BARIUM	520	NT
LEAD	10	NT

GOLDER	
GW-3	1997
VOCs	
1,1 DICHLOROETHANE	140
1,1 DICHLOROETHENE	210
1,2 DICHLOROETHANE	7.3
cis/trans 1,2 DICHLOROETHENE	64
1,1,1 TRICHLOROETHANE	7.6
BENZENE	17
CHLOROBENZENE	18
ETHYLBENZENE	21
STYRENE	5.9
TETRACHLOROETHENE	400
TRICHLOROETHENE	49
XYLENES	24

CONSTITUENT	MAXIMUM CONTAMINANT LEVEL RRS, UG/L	TYPE 2	IN STREAM WATER QUALITY STANDARD, UG/L
TETRACHLOROETHENE	5	19	3.3
TRICHLOROETHENE	5	1	30
CIS-1,2-DICHLOROETHENE	70	31	NOT ESTABLISHED
1,1-DICHLOROETHANE	7,000	4,025	NOT ESTABLISHED
1,1-DICHLOROETHENE	7	100	7,100

LEGEND:
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- VOCS VOLATILE ORGANIC COMPOUNDS
- SVOCS SEMI-VOLATILE ORGANIC COMPOUNDS
- ND NOT DETECTED
- NT NOT TESTED
- BRL BELOW LABORATORY REPORTING LIMITS
- DELINEATION OF TOTAL VOC IN GROUNDWATER

NOTES:
RESULTS REPORTED IN MICROGRAMS PER LITER

SCALE IN FEET
0 40 80

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GW-12 GW-8 EW-3 GW-9 EW-5 EW-6 EW-7 GW-11 EW-1 P-3 P-2 W-5 GW-2 W-4 MW-5 MW-1 W-3 EW-2 GW-3 W-2 W-6 GW-1 GW-7 EW-4 GW-10 GW-5 GW-6 GW-4

ESTIMATED CURRENT EXTENT OF VOC PLUME

PROPERTY OF MCDONALD VENTURES

DUNDEE CANAL

BRAMPTON ROAD

PROPERTY OF NORFOLK SOUTHERN

DESIGNED	S. FOLEY
DRAWN	t. GLADSTONE
CHECKED	S. FOLEY
IN CHARGE	C. FERRY
DATE	1/30/2016

139 BRAMPTON ROAD
SAVANNAH, GA.

amec foster wheeler
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CUMMULATIVE SUMMARY OF HISTORIC GROUNDWATER TEST RESULTS

SCALE	AS SHOWN
CONTRACT	6121-09-0220
DWG. NO.	9
REV	
PAGE NO	

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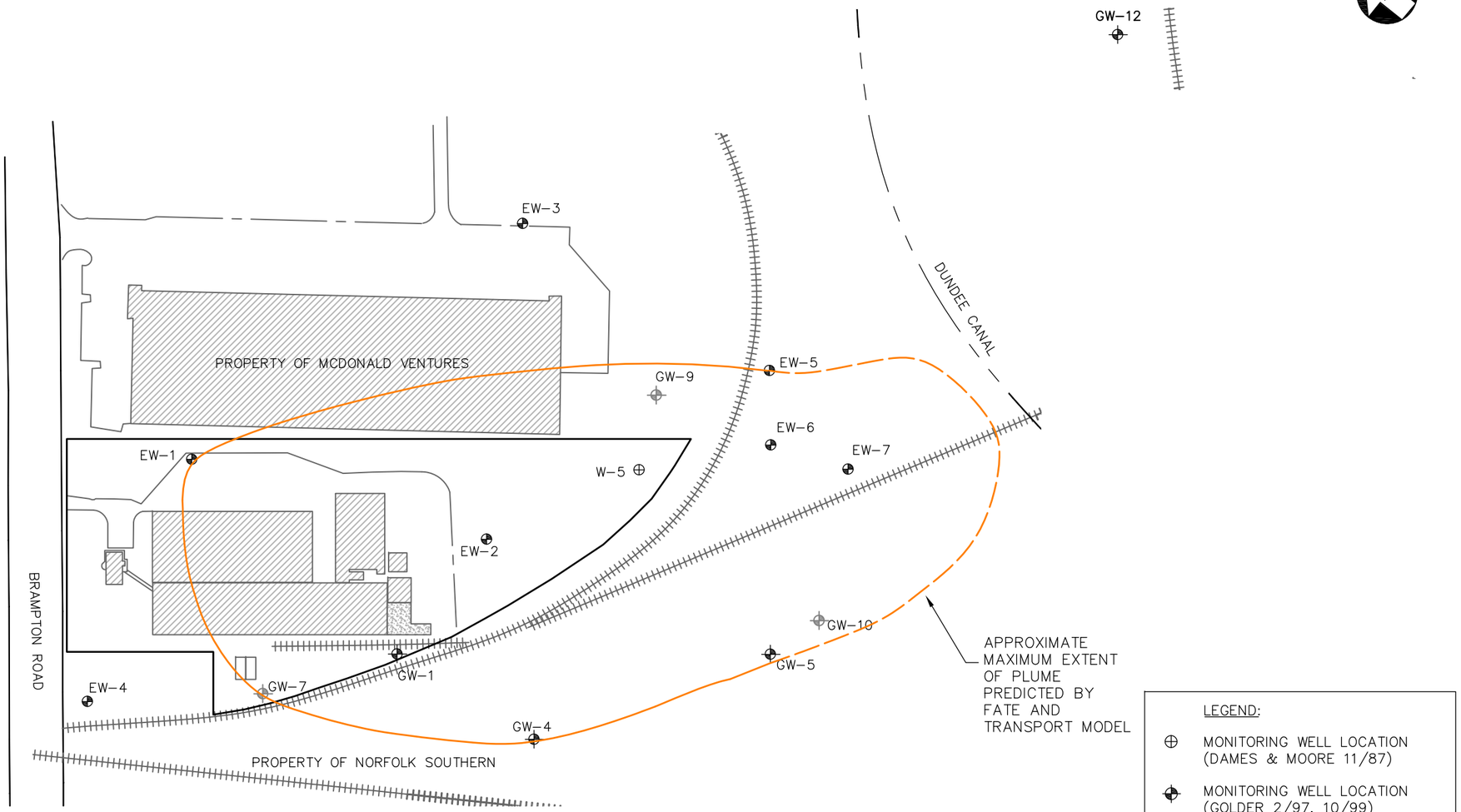
J:\FORMER RHEEM\Rheem – GW–POT 2015.dwg – ESTIMATED MAXIMUM EXTENT 04/25/2016



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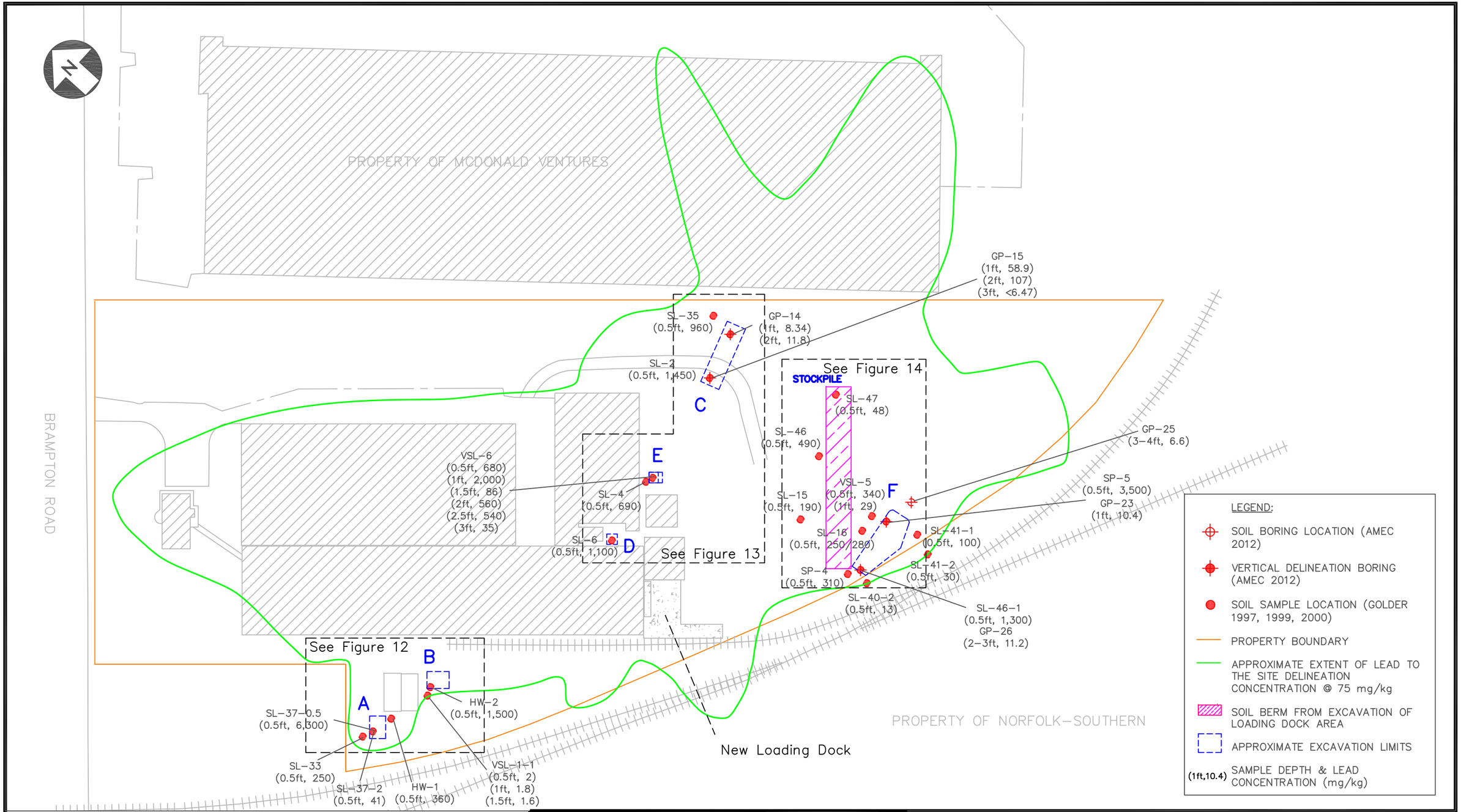
ESTIMATED MAXIMUM EXTENT OF CVOC PLUME AFTER 50 YEARS

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121–09–0220	01	FEB 2016	AS SHOWN	TG	SF	10

J:\FORMER RHEEM\Figure 1B Lead Chem Boxes_2.dwg — Figure 1B — LEAD 04/27/2016



SCALE IN FEET

0 100 200

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PRE-REMEDIATION OF LEAD IMPACTED SOIL

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121-09-0220	11	MARCH 2015	AS SHOWN	ASF		11

J:\FORMER RHEEM\Figure 1B Lead Chem Boxes_2.dwg – CHEM BOXES A & B 04/25/2016

Location	Area B
Sample ID	B-SW-3
Depth(ft)	1
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	4.3

B

Location	Area B
Sample ID	B-SW-1
Depth(ft)	1
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	10

Location	Area A
Sample ID	A-SW-3
Depth(ft)	1
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	57

A

Location	Area B
Sample ID	B-SW-2
Depth(ft)	1
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	5.8

Location	Area A
Sample ID	A-SW-1
Depth(ft)	1
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	78

Location	Area B
Sample ID	B-SW-4
Depth(ft)	1
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	10

Location	Area B
Sample ID	B-BM-1
Depth(ft)	2
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	3.9

Location	Area A
Sample ID	A-BM-1
Depth(ft)	2
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	140

Location	Area A
Sample ID	A-SW-2
Depth(ft)	1
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	180

Location	Area A
Sample ID	A-SW-4
Depth(ft)	1
Sample Date	12/1/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	13

LEGEND:

- PROPERTY BOUNDARY
- APPROXIMATE EXTENT OF LEAD TO THE SITE DELINEATION CONCENTRATION @ 75 mg/kg
- APPROXIMATE EXCAVATION LIMITS

SCALE IN FEET

0 30 60

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SOIL REMEDIATION AREAS A & B WITH CONFIRMATION SAMPLE RESULTS

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121-09-0220	11	MARCH 2015	AS SHOWN	ASF		12

J:\FORMER RHEEM\Figure 1B Lead Chem Boxes_2.dwg – CHEM BOXES D E & C 04/25/2016

Location		Area C
Sample ID		C-SW-8
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	93

Location		Area C
Sample ID		C-BM-3
Depth(ft)		1
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	20

Location		Area C
Sample ID		C-SW-9
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	150

Location		Area C
Sample ID		C-SW-10
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	260

Location		Area C
Sample ID		C-BM-4
Depth(ft)		1
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	170

Location		Area C
Sample ID		C-BM-2
Depth(ft)		1
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	120

Location		Area C
Sample ID		C-SW-5
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	190

Location		Area C
Sample ID		C-SW-7
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	19

Location		Area C
Sample ID		C-SW-4
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	49

Location		Area C
Sample ID		C-SW-6
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	360

Location		Area C
Sample ID		C-SW-3
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	89

C

Location		Area C
Sample ID		C-SW-1
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	830

Location		Area C
Sample ID		C-BM-1
Depth(ft)		1
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	250

Location		Area C
Sample ID		C-SW-2
Depth(ft)		0.5
Sample Date		12/1/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	280

Location		Area E
Sample ID		E-BM-1
Depth(ft)		2
Sample Date		12/2/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	5.7

Location		Area E
Sample ID		E-SW-3
Depth(ft)		1
Sample Date		12/2/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	910

Excavation Widened

Location		Area E	
Sample ID		E-SW-2	E-SW-2A
Depth(ft)		1	1
Sample Date		12/2/2014	12/3/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)	Result (mg/kg)
RCRA METALS			
Lead	960	1100	39

Location		Area E
Sample ID		E-SW-1
Depth(ft)		1
Sample Date		12/2/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	340

Location		Area E
Sample ID		E-SW-4
Depth(ft)		1
Sample Date		12/2/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	250

E

Location		Area D
Sample ID		D-SW-3
Depth(ft)		1
Sample Date		12/2/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	18

Location		Area D
Sample ID		D-SW-1
Depth(ft)		1
Sample Date		12/2/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	5.1

Location		Area D
Sample ID		D-SW-4
Depth(ft)		1
Sample Date		12/2/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	14

Location		Area D
Sample ID		D-SW-2
Depth(ft)		1
Sample Date		12/2/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	8

Location		Area D
Sample ID		D-BM-1
Depth(ft)		2
Sample Date		12/2/2014
Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	110

D

LEGEND:

- PROPERTY BOUNDARY
- APPROXIMATE EXTENT OF LEAD TO THE SITE DELINEATION CONCENTRATION @ 75 mg/kg
- APPROXIMATE EXCAVATION LIMITS

SCALE IN FEET

0 30 60

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SAVANNAH, GEORGIA

SOIL REMEDIATION AREAS C, D, & E WITH CONFIRMATION SAMPLE RESULTS

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121-09-0220	11	MARCH 2015	AS SHOWN	ASF		13

J:\FORMER RHEEM\Figure 1B Lead Chem Boxes_2.dwg – CHEM BOXES F & STOCKPILE 04/25/2016

STOCKPILE

Location	Stockpile
Sample ID	S-B-9
Depth(ft)	0
Sample Date	12/11/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	7.1

Location	Stockpile
Sample ID	S-B-8
Depth(ft)	0
Sample Date	12/10/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	590

Location	Stockpile
Sample ID	S-B-7
Depth(ft)	0
Sample Date	12/10/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	16

Location	Stockpile
Sample ID	S-B-6
Depth(ft)	0
Sample Date	12/10/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	11

Location	Stockpile
Sample ID	S-B-5
Depth(ft)	0
Sample Date	12/10/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	23

Location	Stockpile
Sample ID	S-B-4
Depth(ft)	0
Sample Date	12/10/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	200

Location	Stockpile
Sample ID	SP-3
Depth(ft)	0
Sample Date	12/4/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	3.8

Location	Stockpile
Sample ID	SP-2
Depth(ft)	0
Sample Date	12/4/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	17

Location	Stockpile
Sample ID	SP-1
Depth(ft)	0
Sample Date	12/4/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	11

Location	Stockpile
Sample ID	S-B-11
Depth(ft)	0
Sample Date	12/11/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	12

Location	Stockpile
Sample ID	S-B-10
Depth(ft)	0
Sample Date	12/11/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	7.6

Location	Area F
Sample ID	F-SW-2
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	660

Location	Area F
Sample ID	F-SW-3
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	130

Location	Area F
Sample ID	F-SW-4
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	150

Location	Area F
Sample ID	F-SW-5
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	870

Location	Area F
Sample ID	F-SW-6
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	42

Location	Area F
Sample ID	F-SW-7
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	140

Location	Area F
Sample ID	F-BM-6
Depth(ft)	1
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	12

Location	Area F
Sample ID	F-SW-8
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	16

Location	Area F
Sample ID	F-BM-5
Depth(ft)	1
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	11

Location	Area F
Sample ID	F-SW-9
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	36

Location	Area F
Sample ID	F-BM-4
Depth(ft)	1
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	7.5

Location	Area F
Sample ID	F-SW-10
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	380

Location	Area F
Sample ID	F-SW-1
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	23

Location	Area F
Sample ID	F-BM-1
Depth(ft)	1
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	19

Location	Area F
Sample ID	F-SW-12
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	18

Location	Area F
Sample ID	F-BM-2
Depth(ft)	1
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	7.7

Location	Area F
Sample ID	F-SW-11
Depth(ft)	0.5
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	310

Location	Area F
Sample ID	F-BM-3
Depth(ft)	1
Sample Date	12/3/2014

Constituent	Type 4 RRS (mg/kg)	Result (mg/kg)
RCRA METALS		
Lead	960	8.6

F

LEGEND:

- PROPERTY BOUNDARY
- APPROXIMATE EXTENT OF LEAD TO THE SITE DELINEATION CONCENTRATION @ 75 mg/kg
- SOIL BERM FROM EXCAVATION OF LOADING DOCK AREA
- APPROXIMATE EXCAVATION LIMITS

SCALE IN FEET

0 30 60

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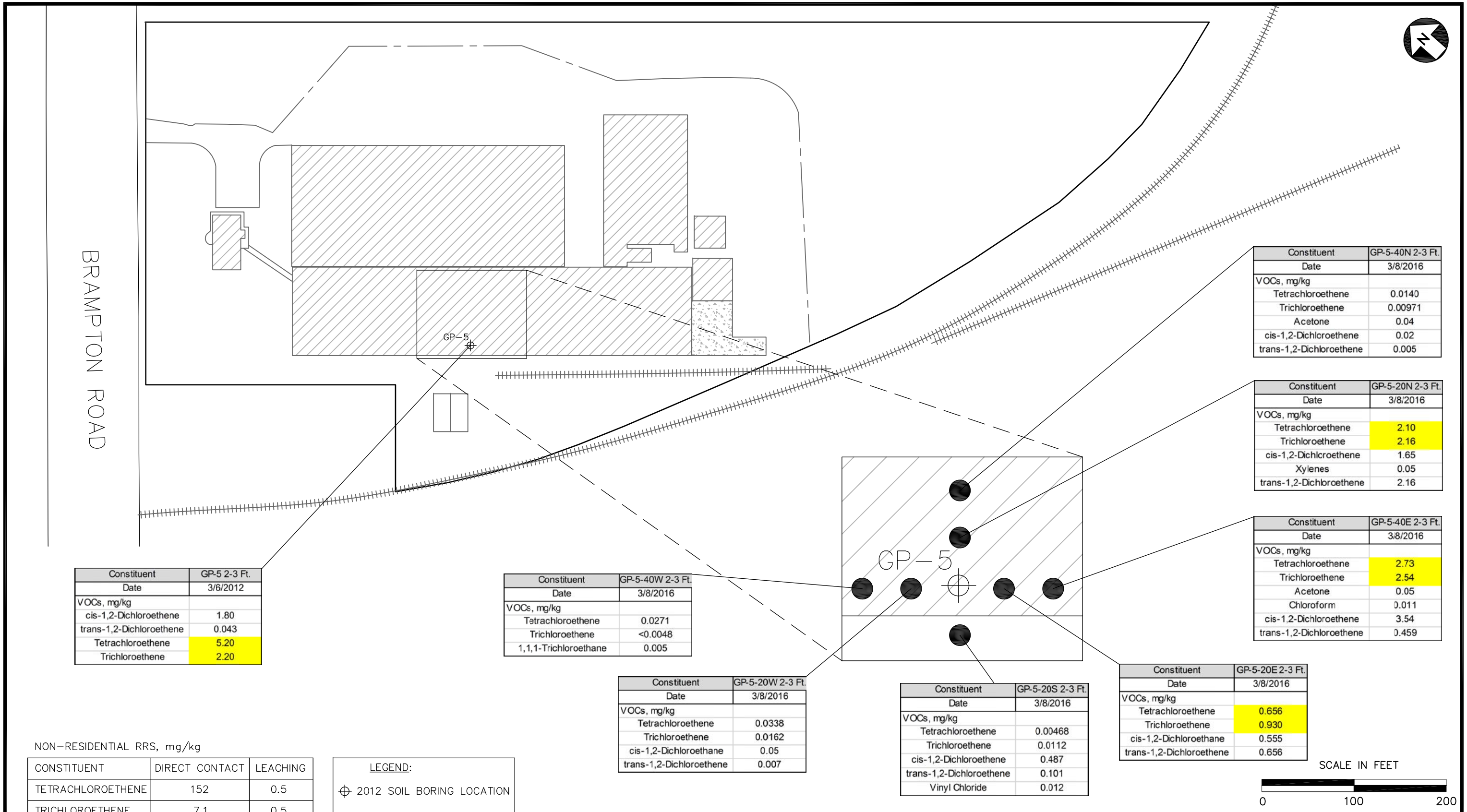
2677 BUFORD HIGHWAY
ATLANTA, GA 30324
TEL: (404) 873-4761

139 BRAMPTON ROAD
SAVANNAH, GEORGIA

SOIL REMEDIATION AREAS F & STOCKPILE WITH CONFIRMATION SAMPLE RESULTS

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121-09-0220	11	MARCH 2015	AS SHOWN	ASF		14



Constituent	GP-5-40N 2-3 Ft.
Date	3/8/2016
VOCs, mg/kg	
Tetrachloroethene	0.0140
Trichloroethene	0.00971
Acetone	0.04
cis-1,2-Dichloroethene	0.02
trans-1,2-Dichloroethene	0.005

Constituent	GP-5-20N 2-3 Ft.
Date	3/8/2016
VOCs, mg/kg	
Tetrachloroethene	2.10
Trichloroethene	2.16
cis-1,2-Dichlcroethene	1.65
Xylenes	0.05
trans-1,2-Dichloroethene	2.16

Constituent	GP-5-40E 2-3 Ft.
Date	3/8/2016
VOCs, mg/kg	
Tetrachloroethene	2.73
Trichloroethene	2.54
Acetone	0.05
Chloroform	0.011
cis-1,2-Dichloroethene	3.54
trans-1,2-Dichloroethene	0.459

Constituent	GP-5 2-3 Ft.
Date	3/6/2012
VOCs, mg/kg	
cis-1,2-Dichloroethene	1.80
trans-1,2-Dichloroethene	0.043
Tetrachloroethene	5.20
Trichloroethene	2.20

Constituent	GP-5-40W 2-3 Ft.
Date	3/8/2016
VOCs, mg/kg	
Tetrachloroethene	0.0271
Trichloroethene	<0.0048
1,1,1-Trichloroethane	0.005

Constituent	GP-5-20W 2-3 Ft.
Date	3/8/2016
VOCs, mg/kg	
Tetrachloroethene	0.0338
Trichloroethene	0.0162
cis-1,2-Dichloroethane	0.05
trans-1,2-Dichloroethene	0.007

Constituent	GP-5-20S 2-3 Ft.
Date	3/8/2016
VOCs, mg/kg	
Tetrachloroethene	0.00468
Trichloroethene	0.0112
cis-1,2-Dichloroethene	0.487
trans-1,2-Dichloroethene	0.101
Vinyl Chloride	0.012

Constituent	GP-5-20E 2-3 Ft.
Date	3/8/2016
VOCs, mg/kg	
Tetrachloroethene	0.656
Trichloroethene	0.930
cis-1,2-Dichloroethane	0.555
trans-1,2-Dichloroethene	0.656

SCALE IN FEET

0 100 200

NON-RESIDENTIAL RRS, mg/kg

CONSTITUENT	DIRECT CONTACT	LEACHING
TETRACHLOROETHENE	152	0.5
TRICHLOROETHENE	7.1	0.5

VALUES EXCEED LEACHING BUT NOT DIRECT CONTACT RISK REDUCTION STANDARDS

LEGEND:

⊕ 2012 SOIL BORING LOCATION

● 2016 SOIL BORING LOCATION

NOTES: RESULTS REPORTED IN MILLIGRAMS PER KILOGRAMS

amec foster wheeler
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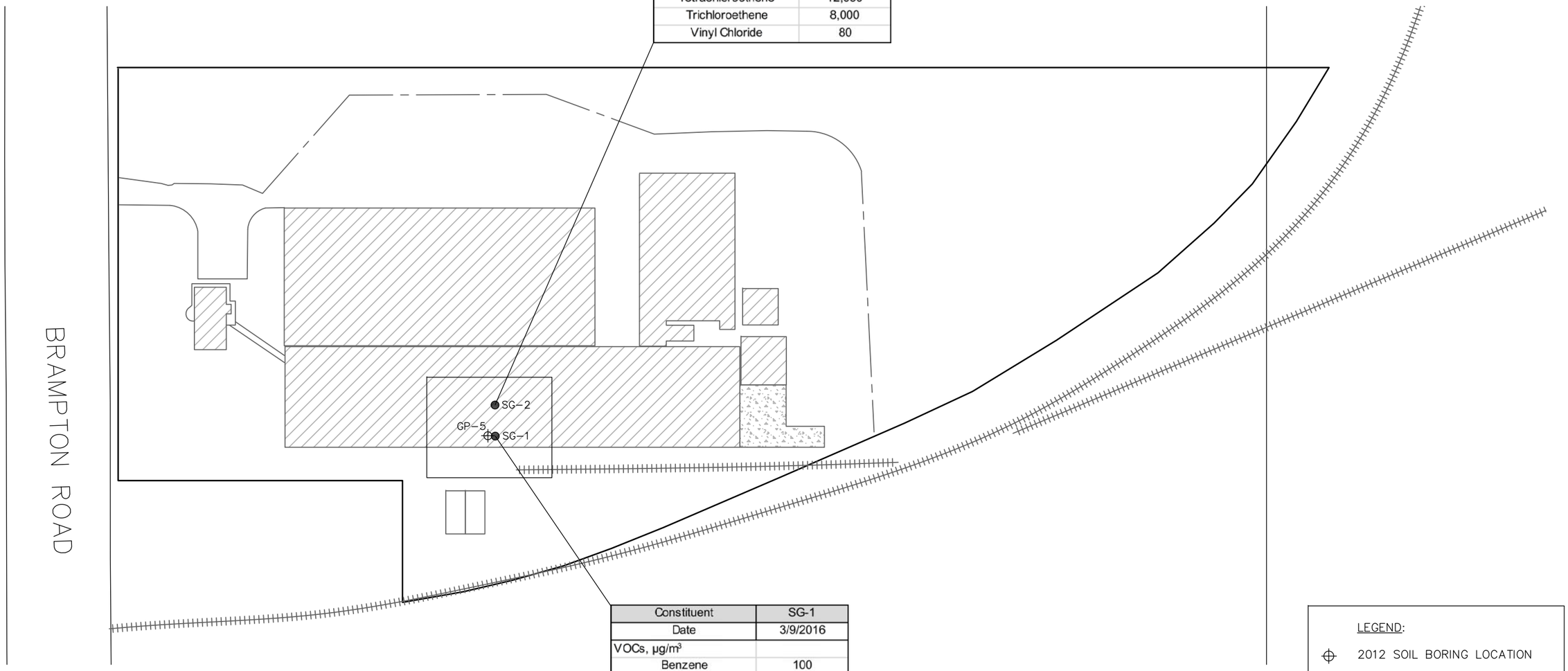
FORMER RHEEM
MANUFACTURING FACILITY
SAVANNAH, GEORGIA

MARCH 2016
VOC IMPACTED SOIL
DELINEATION DATA

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121-09-0220	01	APRIL 2016	AS SHOWN	CB	SF	15

Constituent	SG-2
Date	3/9/2016
VOCs, µg/m³	
cis-1,2-Dichloroethene	51,000
Trans-1,2-Dichloroethene	5,900
Tetrachloroethene	12,000
Trichloroethene	8,000
Vinyl Chloride	80



Constituent	SG-1
Date	3/9/2016
VOCs, µg/m³	
Benzene	100
Chloroform	610
cis-1,2-Dichloroethene	340,000
Trans-1,2-Dichloroethene	42,000
Tetrachloroethene	800,000
Trichloroethene	460,000
Vinyl Chloride	340

SCALE IN FEET

0 100 200

LEGEND:

2012 SOIL BORING LOCATION

SOIL VAPOR BORING LOCATION

VOCS VOLATILE ORGANIC COMPOUNDS

NOTES:
RESULTS REPORTED IN MICROGRAMS PER CUBIC METER OF AIR.

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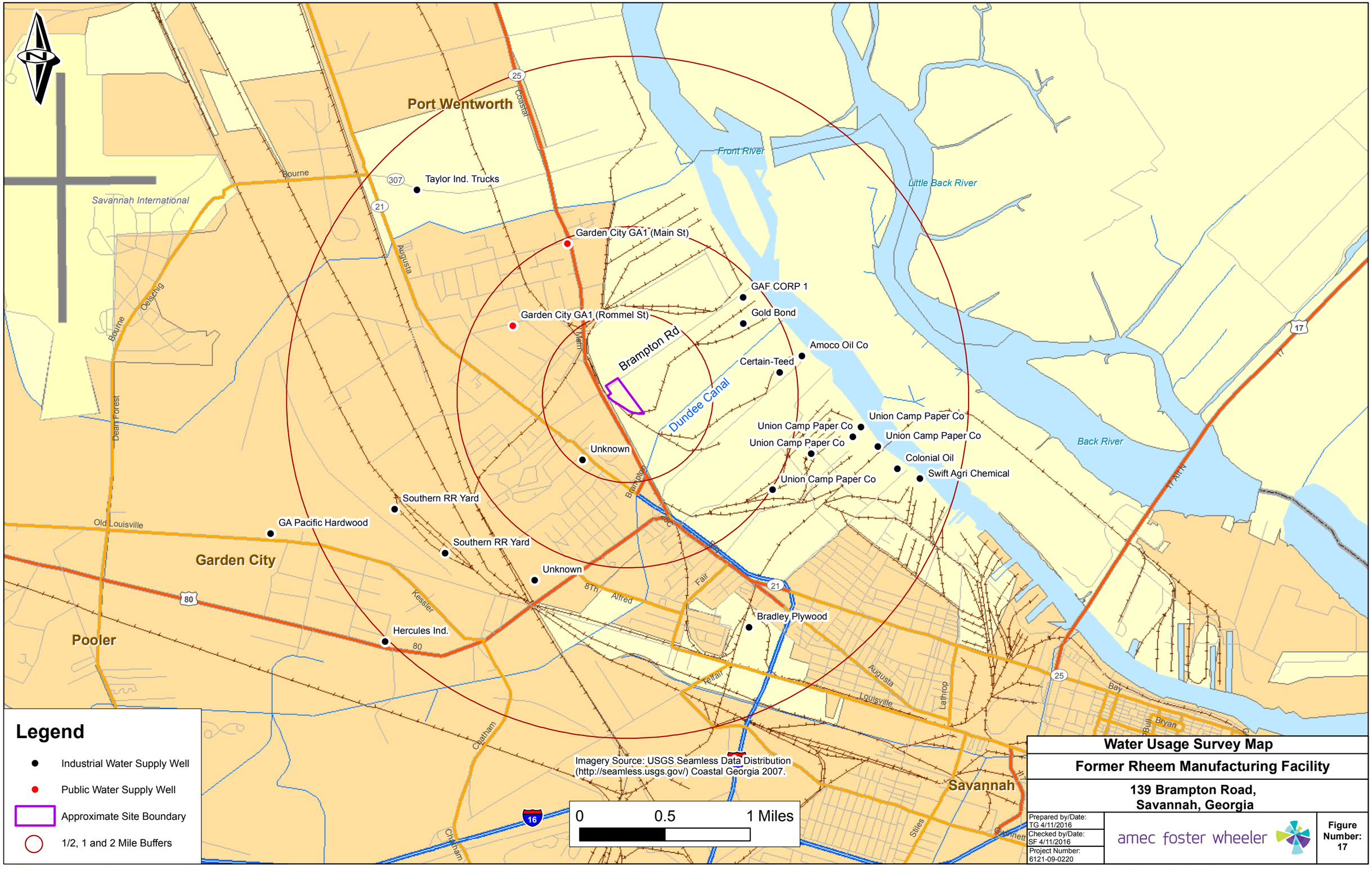
FORMER RHEEM MANUFACTURING FACILITY
SAVANNAH, GEORGIA

MARCH 2016
SOIL VAPOR
TESTING DATA

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121-09-0220	01	APRIL 2016	AS SHOWN	CB	SF	16



Legend

- Industrial Water Supply Well
- Public Water Supply Well
- Approximate Site Boundary
- 1/2, 1 and 2 Mile Buffers

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Water Usage Survey Map

Former Rheem Manufacturing Facility

**139 Brampton Road,
Savannah, Georgia**

Prepared by/Date: TG 4/11/2016	amec foster wheeler
Checked by/Date: SF 4/11/2016	
Project Number: 6121-09-0220	

Figure Number: 17

TABLES

139 BRAMPTON ROAD
SAVANNAH, GA

TABLE 1 - GROUNDWATER ELEVATION MEASUREMENTS

Well ID	Measurement Date	Ground Surface Elev. (ft)	Top of Casing Elev. (ft)	Well Screen Interval (ft)	Depth to Water, FT	Groundwater Elev. (ft)
Monitoring Wells Located On-Site						
W-5	3/27/1997	12.91	13.10	15-20	9.34	3.76
	4/1/1998				7.71	5.39
	10/7/1999				9.03	4.07
	3/29/2000				9.55	3.55
	3/8/2012				9.95	3.15
	3/20/2013				9.64	3.46
	2/13/2014				9.99	3.11
	8/13/2015				10.51	2.59
GW-1	3/27/1999	13.83	16.53	15-20	11.61	4.92
	4/1/1998				10.03	6.50
	10/7/1999				11.04	5.49
	3/29/2000				11.79	4.74
	3/8/2012				12.72	3.81
	3/20/2013				12.41	4.12
	2/13/2014				12.71	3.82
	8/13/2015				12.37	4.16
**GW-7	10/7/1999	15.78	15.78	24-34	10.1	5.68
	3/29/2000				10.88	4.90
	3/8/2012				11.02	4.76
	3/20/2013				10.73	5.05
	2/13/2014				11.03	4.75
					11.51	4.27
EW-1	3/8/2012	12.95	16.00	5-15	12.2	3.80
	3/20/2013				11.16	4.84
	2/13/2014				11.48	4.52
	8/13/20015				11.51	4.49
EW-2	3/8/2012	12.46	12.46	5-15	8.92	3.54
	3/20/2013				8.65	3.81
	2/13/2014				8.96	3.50
	8/11/2015				8.56	3.90

139 BRAMPTON ROAD
SAVANNAH, GA

TABLE 1 - GROUNDWATER ELEVATION MEASUREMENTS

Well ID	Measurement Date	Ground Surface Elev. (ft)	Top of Casing Elev. (ft)	Well Screen Interval (ft)	Depth to Water, FT	Groundwater Elev. (ft)
Monitoring Wells Located Off-Site						
GW-4	4/1/1998	15.91	16.04	8.5-18.5	9.62	6.42
	10/7/1999				9.25	6.79
	3/29/2000				11.45	4.59
	2/13/2014				12.27	3.77
	8/12/2015				12.1	3.94
GW-5	4/1/1998	16.90	16.78	9.2-19.2	10.4	6.38
	10/7/1999				9.82	6.96
	3/29/2000				11.62	5.16
	2/13/2014				13.75	3.03
	8/12/2015				13.88	2.90
**GW-9	10/7/1999	4.29	4.48	24-34	0.94	3.54
	3/29/2000				1.05	3.43
	3/8/2012				1.67	2.81
	3/20/2013				1.54	2.94
	2/13/2014				1.79	2.69
**GW-10	10/7/1999	13.09	13.13	24-34	8.6	4.53
	3/29/2000				9.55	3.58
	2/13/2014				10.04	3.09
	8/12/2015				10.74	2.39
EW-3	3/20/2013	9.27	9.15	3-13	6.99	2.16
	2/13/2014				5.68	3.47
	8/11/2015				6.97	2.18
EW-4	2/13/2014	17.16	17.15	4-14	10.28	6.87
	8/11/2015				8.87	8.28
EW-5	2/13/2014	-0.145	3.18	3-8	3.27	-0.09
	8/12/2015				3.60	-0.42
EW-6	2/13/2014	1.43	4.06	3-8	3.05	1.01
	8/12/2015				3.22	0.84
EW-7	2/13/2014	1.46	4.99	4-9	4.20	0.79
	8/12/2015				5.13	-0.14

** - Deep wells installed approximately 2ft into clay confining layer

The wells were resurveyed with a Trimble R5800 GPS Unit and Trimble S3 Total Station as part of this effort.

139 BRAMPTON ROAD SITE
SAVANNAH, GEORGIA

TABLE 2 - SUMMARY OF SOIL TESTING RESULTS , NOVEMBER 1987

Sample ID	Sed-1	Sed-2	Sed-3	B1-1	B1-2	B2-1	B2-2	B3-1	B3-2	B4-5	B4-6	B5-2	B5-3	B5-5	B5-6
Depth (feet)				9-10	14-15	9-10	14-15	9-10	19-20	9-10	14-15	3-4	5-6	9-10	14-15
Date	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87
METALS (mg/kg)															
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	130	31	45	NA	NA	NA	NA	NA	NA	NA	NA	NA	36	14	NA
Cadmium	0.4	0.24	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.051	0.012	NA
Chromium	38	40	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	34	65	NA
Lead	**130**	23	8.5	NA	NA	NA	NA	NA	NA	7.2	2.8	NA	5.3	12	NA
Mercury	0.15	0.08	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.04	NA
Nickel	5.8	8.6	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.5	12	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORINATED VOLATILES (ug/kg)															
EPA 601/602	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND
OTHER ORGANICS (ug/kg)															
Acenaphthalene	ND	ND	ND	ND	ND	ND	ND	15	ND	NA	NA	NA	NA	NA	NA
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	0.42	ND	NA	NA	NA	NA	NA	NA
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	2.4	ND	NA	NA	NA	NA	NA	NA
Fluorene	ND	ND	ND	ND	ND	ND	ND	13	ND	NA	NA	NA	NA	NA	NA
Naphthalene	ND	ND	ND	ND	ND	ND	ND	2	ND	NA	NA	NA	NA	NA	NA
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	19	NA	ND	NA	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	17	NA	ND	NA	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	53	NA	ND	NA	ND
Xylene	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	40	NA	ND	NA	ND

Notes:
mg/kg - milligrams per kilograms
ug/kg - micrograms per kilograms
NA - not analyzed
ND - not detected

139 BRAMPTON ROAD SITE
SAVANNAH, GEORGIA

TABLE 2 - SUMMARY OF SOIL TESTING RESULTS, NOVEMBER 1987 (CONTINUED)

Sample ID	B6-2	B6-3	B6-5	B6-6	B7-2	B7-3	B7-5	B7-6	B8-3	B8-6	B8-7	B9-3	B9-5	B9-6
Depth	3-4	5-6	9-10	13-14'	3-4'	5-6'	9-10'	13-14'	5-6'	14-15'	19-20'	5-6'	9-10'	14-15'
Date	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87	11/1/87
METALS (mg/kg)														
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	31	NA	84	NA	7.1	450	NA	12	NA	93	38	NA	8
Cadmium	NA	ND	NA	ND	NA	0.012	ND	NA	0.018	NA	0.025	0.016	NA	0.02
Chromium	NA	16	NA	11	NA	53	23	NA	30	NA	30	25	NA	35
Lead	NA	5.3	NA	0.83	NA	5.1	15	NA	8	NA	7.7	12	NA	3.3
Mercury	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND
Nickel	NA	3.3	NA	2.5	NA	12	8	NA	6	NA	4.2	5.2	NA	16
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORINATED VOLATILES (ug/kg)														
EPA 601/602	ND	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA
OTHER ORGANICS (ug/kg)														
Acenaphthalene	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ND	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA
Ethylbenzene	ND	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA
Toluene	ND	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA
Xylene	ND	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA

Notes:
mg/kg - milligrams per kilograms
ug/kg - micrograms per kilograms
NA - not analyzed
ND - not detected

139 BRAMTON ROAD SITE
SAVANNAH, GEORGIA

TABLE 3 - SHALLOW SOIL LEAD EVALUATION DATA, 1997-1998*

Sample ID	Lead (mg/kg)	Sample ID	Lead (mg/kg)	Sample ID	Lead (mg/kg)
SL-1	580	SL-30	87	SL-47	48
SL-2	1400	SL-31	470	SL-48	37
SL-3	930	SL-32	34	SL-49	490
SL-4	690	SL-33	250		160
SL-5	1100	SL-34	130	SL-49 (dupe)	460
SL-6	480	SL-35	960	SL-50	280
SL-7	1400	SL-35A	32		120
SL-8	1300	SL-36	45		110
SL-9	5.5	SL-37	6300	SP-1	310
SL-10	24		41	SP-2	350
SL-10 (dup)	30	SL-37 (dup)	3500	SP-3	210
SL-11	46	SL-38	31	SL-BK1	88
HW-1	360		20	SL-BK2	43
HW-2	1500		31	VSL-1	2
HW-3	14	SL-38 (dupe)	31		1.8
SL-12	4600	SL-39	730		1.6
SL-13	120		460	VSL-2	22
SL-14	110		17		12
SL-15	190	SL-40	1300		4.8
SL-16	250		13	VSL-3	25
SL-16 (dup)	280	SL-41	100	VSL-4	18000
SL-17	3.1		30		88
SL-18	140	SL-42	28		27
SL-19	12	SL-43	110	VSL-4 (dup)	30
SL-20	390		29	VSL-5	340
SL-21	15	SL-44	310		29
SL-22	19		420	VSL-6	680
SL-22 (dup)	13		180		2000
SL-23	84		300		86
SL-24	60		33		560
SL-25	57	SL-44 (dup)	290		540
SL-26	190		31		35
SL-27	160	SL-45	150	VSL-7	180
SL-27 (dup)	120		18		73
SL-28	180	SL-46	490		11
SL-29	210				

Notes:
* Single samples are from depth of 6 inches, mutliple samples are at 6 inches intervals starting at a depth of 6 inches.
mg/kg - milligrams per kilograms

139 BRAMPTON ROAD
SAVANNAH, GEORGIA

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation Concentration Criteria	EW-01	EW-2		GP-01	GP-02	GP-03	
Sample Date		3/5/2012	3/6/2012	3/6/2012	3/5/2012	3/5/2012	3/5/2012	3/5/2012
Sample Depth		2-4	3-4	5-6	1-2	1-2	1-2	6-7
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	20	<0.0061	<0.0054	<0.0067	NA	NA	**0.017**	<0.0052
1,2-Dichlorobenzene	60	<0.0061	**0.13**	<0.0067	NA	NA	<0.0062	<0.0052
1,3-Dichlorobenzene	60	<0.0061	**0.0074**	<0.0067	NA	NA	<0.0062	<0.0052
1,4-Dichlorobenzene	7.5	<0.0061	**0.018**	<0.0067	NA	NA	<0.0062	<0.0052
1,4-Dioxane	4.9	<0.180	<0.160	<0.200	NA	NA	<0.190	<0.160
2-Butanone	200	<0.061	**0.066**	<0.067	NA	NA	<0.062	<0.052
Acetone	400	<0.120	**0.49**	<0.130	NA	NA	<0.120	<0.100
Benzene	0.5	<0.0061	**0.14**	**0.019**	NA	NA	<0.0062	<0.0052
Carbon Disulfide	400	<0.012	**0.011**	<0.013	NA	NA	<0.012	<0.010
Chlorobenzene	10	<0.0061	**0.096**	<0.0067	NA	NA	<0.0062	<0.0052
cis-1,2-Dichloroethene	7	<0.0061	<0.0054	<0.0067	NA	NA	<0.0062	<0.0052
Cyclohexane	20	<0.0061	<0.0054	<0.0067	NA	NA	<0.0062	<0.0052
Ethylbenzene	70	<0.0061	**11**	<0.0067	NA	NA	<0.0062	<0.0052
Isopropylbenzene	21.88	<0.0061	**0.18**	<0.0067	NA	NA	<0.0062	<0.0052
Methylcyclohexane	NR	<0.0061	**0.027**	<0.0067	NA	NA	<0.0062	<0.0052
Tetrachloroethene	0.5	<0.0061	<0.0054	<0.0067	NA	NA	<0.0062	<0.0052
Toluene	100	<0.0061	**0.018**	<0.0067	NA	NA	<0.0062	<0.0052
trans-1,2-Dichloroethene	10	<0.0061	<0.0054	<0.0067	NA	NA	<0.0062	<0.0052
Trichloroethene	0.5	<0.0061	<0.0054	<0.0067	NA	NA	<0.0062	<0.0052
Xylenes, mixture	1,000	<0.0061	**3.74**	<0.0067	NA	NA	<0.0062	<0.0052
Polyaromatic Hydrocarbons (PAHs)								
1-Methylnaphthalene	NR	<0.390	<0.390	<0.440	NA	NA	<0.430	<0.400
Metals								
Arsenic	20	<5.70	<5.38	**7.61**	NA	NA	<6.49	**26**
Barium	1,000	**60.8**	**72.1**	**64**	NA	NA	**25.8**	**21.8**
Cadmium	2	<2.85	<2.69	<3.05	NA	NA	<3.25	<2.89
Chromium	100	**7.13**	**102**	**16.2**	NA	NA	**6.87**	**23.9**
Lead	75	<5.70	**466**	**12.5**	**11.9**	**5.28**	**8.13**	**6.88**
Mercury	0.5	<0.117	**0.491**	<0.132	NA	NA	<0.129	<0.120
Selenium	2	<5.70	<5.38	<6.10	NA	NA	<6.49	<5.78
Silver	2	<2.85	<2.69	<3.05	NA	NA	<3.25	<2.89

Notes:

Bold - Constituent has been detected at or above the reporting limit

NA - Not Analyzed

NR - Not a regulated substance

139 BRAMPTON ROAD
SAVANNAH, GEORGIA

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation Concentration Criteria	GP-04	GP-05	GP-06	GP-07		GP-08	GP-09	
Sample Date		3/5/2012	3/6/2012	3/7/2012	3/7/2012	3/7/2012	3/6/2012	3/6/2012	3/6/2012
Sample Depth		7	2-3	4-5	1	2	6-7	1-2	5-6
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (VOCs)									
1,1,1-Trichloroethane	20	NA	<0.0066	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
1,2-Dichlorobenzene	60	NA	<0.0066	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
1,3-Dichlorobenzene	60	NA	<0.0066	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
1,4-Dichlorobenzene	7.5	NA	<0.0066	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
1,4-Dioxane	4.9	NA	<0.200	<0.170	NA	NA	<0.190	<0.170	<0.210
2-Butanone	200	NA	<0.066	<0.058	NA	NA	<0.064	<0.058	<0.069
Acetone	400	NA	<0.130	<0.120	NA	NA	<0.130	<0.120	<0.140
Benzene	0.5	NA	<0.0066	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
Carbon Disulfide	400	NA	<0.013	<0.012	NA	NA	<0.013	<0.012	<0.014
Chlorobenzene	10	NA	<0.0066	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
cis-1,2-Dichloroethene	7	NA	**1.8**	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
Cyclohexane	20	NA	<0.0066	<0.0058	NA	NA	**0.025**	<0.0058	<0.0069
Ethylbenzene	70	NA	<0.0066	<0.0058	NA	NA	**0.034**	<0.0058	<0.0069
Isopropylbenzene	21.88	NA	<0.0066	<0.0058	NA	NA	**0.055**	<0.0058	<0.0069
Methylcyclohexane	NR	NA	<0.0066	<0.0058	NA	NA	**0.085**	<0.0058	<0.0069
Tetrachloroethene	0.5	NA	**5.2**	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
Toluene	100	NA	<0.0066	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
trans-1,2-Dichloroethene	10	NA	**0.043**	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
Trichloroethene	0.5	NA	**2.2**	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
Xylenes, mixture	1,000	NA	<0.0066	<0.0058	NA	NA	<0.0064	<0.0058	<0.0069
Polyaromatic Hydrocarbons (PAHs)									
1-Methylnaphthalene	NR	NA	<0.370	<0.410	NA	NA	**1.2**	<0.380	<0.420
Metals									
Arsenic	20	NA	<5.58	<6.02	NA	NA	<5.97	<5.59	<6.18
Barium	1,000	NA	**23**	**42.6**	NA	NA	**34.6**	**25.4**	**77.4**
Cadmium	2	NA	<2.79	<3.01	NA	NA	<2.99	<2.79	<3.09
Chromium	100	NA	**6.07**	**8.15**	NA	NA	**7.28**	**7.82**	**11.9**
Lead	75	**6.54**	**6.58**	<6.02	<5.46	<5.59	**10.8**	**27.9**	**19.9**
Mercury	0.5	NA	<0.111	<0.124	NA	NA	<0.121	<0.115	<0.126
Selenium	2	NA	<5.58	<6.02	NA	NA	<5.97	<5.59	<6.18
Silver	2	NA	<2.79	<3.01	NA	NA	<2.99	<2.99	<3.09

Notes:

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139 BRAMPTON ROAD
SAVANNAH, GEORGIA

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation Concentration Criteria	GP-10			GP-11		GP-12			GP-13
Sample Date		3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012
Sample Depth		0-1	2-3	6-7	0-1	1-2	0-1	1-2	0-1	1-2
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (VOCs)										
1,1,1-Trichloroethane	20	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	60	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	7.5	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
1,4-Dioxane	4.9	NA	<0.250	<0.170	NA	NA	NA	NA	NA	NA
2-Butanone	200	NA	<0.083	<0.057	NA	NA	NA	NA	NA	NA
Acetone	400	NA	<0.170	<0.110	NA	NA	NA	NA	NA	NA
Benzene	0.5	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Carbon Disulfide	400	NA	<0.017	<0.011	NA	NA	NA	NA	NA	NA
Chlorobenzene	10	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Cyclohexane	20	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Ethylbenzene	70	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Isopropylbenzene	21.88	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Methylcyclohexane	NR	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Toluene	100	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	10	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Xylenes, mixture	1,000	NA	<0.0083	<0.0057	NA	NA	NA	NA	NA	NA
Polyaromatic Hydrocarbons (PAHs)										
1-Methylnaphthalene	NR	NA	<0.370	<0.440	NA	NA	NA	NA	NA	NA
Metals										
Arsenic	20	NA	**8.12**	<6.31	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	**40**	**31.3**	NA	NA	NA	NA	NA	NA
Cadmium	2	NA	<2.70	<3.16	NA	NA	NA	NA	NA	NA
Chromium	100	NA	**14.1**	**17.3**	NA	NA	NA	NA	NA	NA
Lead	75	**24.3**	**16.2**	**8.62**	**9.67**	**23.8**	**40**	**38.4**	**462**	**534**
Mercury	0.5	NA	<0.112	<0.133	NA	NA	NA	NA	NA	NA
Selenium	2	NA	<5.39	<6.31	NA	NA	NA	NA	NA	NA
Silver	2	NA	<2.70	<3.16	NA	NA	NA	NA	NA	NA

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139 BRAMPTON ROAD
SAVANNAH, GEORGIA

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation Concentration Criteria		GP-14		GP-15			GP-16	
Sample Date		3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012
Sample Depth		2-3	1	2	1	2	3	1-2	6-7
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (VOCs)									
1,1,1-Trichloroethane	20	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
1,2-Dichlorobenzene	60	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
1,3-Dichlorobenzene	60	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
1,4-Dichlorobenzene	7.5	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
1,4-Dioxane	4.9	NA	NA	NA	NA	NA	NA	<0.170	<0.230
2-Butanone	200	NA	NA	NA	NA	NA	NA	<0.057	<0.077
Acetone	400	NA	NA	NA	NA	NA	NA	<0.110	<0.150
Benzene	0.5	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Carbon Disulfide	400	NA	NA	NA	NA	NA	NA	<0.011	<0.015
Chlorobenzene	10	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
cis-1,2-Dichloroethene	7	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Cyclohexane	20	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Ethylbenzene	70	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Isopropylbenzene	21.88	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Methylcyclohexane	NR	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Tetrachloroethene	0.5	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Toluene	100	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
trans-1,2-Dichloroethene	10	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Trichloroethene	0.5	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Xylenes, mixture	1,000	NA	NA	NA	NA	NA	NA	<0.0057	<0.0077
Polyaromatic Hydrocarbons (PAHs)									
1-Methylnaphthalene	NR	NA	NA	NA	NA	NA	NA	<0.420	<0.430
Metals									
Arsenic	20	NA	NA	NA	NA	NA	NA	<6.18	**8.15**
Barium	1,000	NA	NA	NA	NA	NA	NA	**28.7**	**72.6**
Cadmium	2	NA	NA	NA	NA	NA	NA	<3.09	<2.97
Chromium	100	NA	NA	NA	NA	NA	NA	**9.7**	**12.2**
Lead	75	**11.3**	**8.34**	**11.8**	**58.9**	**107**	<6.47	**32.7**	**13.7**
Mercury	0.5	NA	NA	NA	NA	NA	NA	<0.127	<0.128
Selenium	2	NA	NA	NA	NA	NA	NA	<6.18	<5.94
Silver	2	NA	NA	NA	NA	NA	NA	<3.09	<2.97

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139 BRAMPTON ROAD
SAVANNAH, GEORGIA

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation Concentration Criteria	DUP-1 GP-16	GP-17		GP-18		GP-19	
Sample Date		3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012
Sample Depth		6-7	1	2	1	2	1	2
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	20	<0.0071	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	60	<0.0071	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	60	<0.0071	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	7.5	<0.0071	NA	NA	NA	NA	NA	NA
1,4-Dioxane	4.9	<0.210	NA	NA	NA	NA	NA	NA
2-Butanone	200	<0.071	NA	NA	NA	NA	NA	NA
Acetone	400	<0.140	NA	NA	NA	NA	NA	NA
Benzene	0.5	<0.0071	NA	NA	NA	NA	NA	NA
Carbon Disulfide	400	<0.014	NA	NA	NA	NA	NA	NA
Chlorobenzene	10	<0.0071	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	7	<0.0071	NA	NA	NA	NA	NA	NA
Cyclohexane	20	<0.0071	NA	NA	NA	NA	NA	NA
Ethylbenzene	70	<0.0071	NA	NA	NA	NA	NA	NA
Isopropylbenzene	21.88	<0.0071	NA	NA	NA	NA	NA	NA
Methylcyclohexane	NR	<0.0071	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	<0.0071	NA	NA	NA	NA	NA	NA
Toluene	100	<0.0071	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	10	<0.0071	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	<0.0071	NA	NA	NA	NA	NA	NA
Xylenes, mixture	1,000	<0.0071	NA	NA	NA	NA	NA	NA
Polyaromatic Hydrocarbons (PAHs)								
1-Methylnaphthalene	NR	<0.410	NA	NA	NA	NA	NA	NA
Metals								
Arsenic	20	<6.15	NA	NA	NA	NA	NA	NA
Barium	1,000	**43.3**	NA	NA	NA	NA	NA	NA
Cadmium	2	<3.07	NA	NA	NA	NA	NA	NA
Chromium	100	**12.3**	NA	NA	NA	NA	NA	NA
Lead	75	**7.33**	**15.6**	**10.5**	**375**	**8.91**	**30.6**	**32.5**
Mercury	0.5	<0.125	NA	NA	NA	NA	NA	NA
Selenium	2	<6.15	NA	NA	NA	NA	NA	NA
Silver	2	<3.07	NA	NA	NA	NA	NA	NA

Notes:

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139 BRAMPTON ROAD
SAVANNAH, GEORGIA

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation Concentration Criteria	GP-20	GP-21	DUP-2 GP-21	GP-22	GP-23	GP-24	GP-25	GP-26
Sample Date		**3/7/2012**	**3/7/2012**	**3/7/2012**	**3/7/2012**	**3/7/2012**	**3/7/2012**	**3/7/2012**	**3/7/2012**
Sample Depth		**1**	**1**	**1**	**1**	**2**	**3-4**	**3-4**	**2-3**
Units		**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds (VOCs)									
1,1,1-Trichloroethane	20	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
1,2-Dichlorobenzene	60	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
1,3-Dichlorobenzene	60	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
1,4-Dichlorobenzene	7.5	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
1,4-Dioxane	4.9	NA	NA	NA	NA	NA	<0.160	<0.190	<0.190
2-Butanone	200	NA	NA	NA	NA	NA	<0.053	<0.064	<0.062
Acetone	400	NA	NA	NA	NA	NA	<0.110	<0.130	<0.120
Benzene	0.5	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Carbon Disulfide	400	NA	NA	NA	NA	NA	<0.011	<0.013	<0.012
Chlorobenzene	10	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
cis-1,2-Dichloroethene	7	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Cyclohexane	20	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Ethylbenzene	70	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Isopropylbenzene	21.88	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Methylcyclohexane	NR	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Tetrachloroethene	0.5	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Toluene	100	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
trans-1,2-Dichloroethene	10	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Trichloroethene	0.5	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Xylenes, mixture	1,000	NA	NA	NA	NA	NA	<0.0053	<0.0064	<0.0062
Polyaromatic Hydrocarbons (PAHs)									
1-Methylnaphthalene	NR	NA	NA	NA	NA	NA	<0.380	<0.370	<0.420
Metals									
Arsenic	20	NA	NA	NA	NA	NA	<5.61	<5.25	<6.02
Barium	1,000	NA	NA	NA	NA	NA	**70.6**	**34.1**	**28.8**
Cadmium	2	NA	NA	NA	NA	NA	<2.80	<2.63	<3.01
Chromium	100	NA	NA	NA	NA	NA	**9.05**	**6.58**	**28.3**
Lead	75	<5.35	**25.2**	**36.4**	<5.55	**10.4**	**21.7**	**6.59**	**11.2**
Mercury	0.5	NA	NA	NA	NA	NA	<0.114	<0.111	<0.125
Selenium	2	NA	NA	NA	NA	NA	<5.61	<5.25	<6.02
Silver	2	NA	NA	NA	NA	NA	<2.80	<2.63	<3.01

Notes:

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NA - Not Analyzed
NR - Not a regulated substance

139 BRAMPTON ROAD
SAVANNAH, GEORGIA

TABLE 5 - SUMMARY OF ON-SITE SOIL TEST RESULTS, MARCH 2013

Sample ID	Soil Delineation Concentration Criteria	GP-31	GP-32	GP-32	GP-33	GP-34	GP-35
Sample Date		3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Sample Depth		1	1	1-2	1	2-3	2-3
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	20	NA	NA	<0.00492	NA	<0.00510	<0.00519
1,2-Dichlorobenzene	60	NA	NA	<0.00492	NA	<0.00510	<0.00519
1,3-Dichlorobenzene	60	NA	NA	<0.00492	NA	<0.00510	<0.00519
1,4-Dichlorobenzene	7.5	NA	NA	<0.00492	NA	<0.00510	<0.00519
1,4-Dioxane	4.9	NA	NA	<0.0984	NA	<0.102	<0.104
2-Butanone	200	NA	NA	<0.0492	NA	<0.0510	<0.0519
Acetone	400	NA	NA	**0.0107**	NA	**0.0113**	**0.0105**
Benzene	0.5	NA	NA	<0.00492	NA	<0.00510	<0.00519
Carbon Disulfide	400	NA	NA	<0.00492	NA	<0.00510	<0.00519
Chlorobenzene	10	NA	NA	<0.00492	NA	<0.00510	<0.00519
cis-1,2-Dichloroethene	7	NA	NA	<0.00492	NA	<0.00510	<0.00519
Cyclohexane	20	NA	NA	<0.00492	NA	<0.00510	<0.00519
Ethylbenzene	70	NA	NA	<0.00492	NA	<0.00510	<0.00519
Isopropylbenzene	21.88	NA	NA	<0.00492	NA	<0.00510	<0.00519
Methylcyclohexane	NR	NA	NA	<0.00492	NA	<0.00510	<0.00519
Tetrachloroethene	0.5	NA	NA	<0.00492	NA	<0.00510	<0.00519
Toluene	100	NA	NA	<0.00492	NA	<0.00510	<0.00519
trans-1,2-Dichloroethene	10	NA	NA	<0.00492	NA	<0.00510	<0.00519
Trichloroethene	0.5	NA	NA	<0.00492	NA	<0.00510	<0.00519
Xylenes, mixture	1,000	NA	NA	<0.00984	NA	<0.0102	<0.0104
Polyaromatic Hydrocarbons (PAHs)							
1-Methylnaphthalene	NR	NA	NA	NA	NA	NA	NA
Metals							
Arsenic	20	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA
Cadmium	2	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA
Lead	75	**6.86**	**8**	NA	**6.49**	NA	NA
Mercury	0.5	NA	NA	NA	NA	NA	NA
Selenium	2	NA	NA	NA	NA	NA	NA
Silver	2	NA	NA	NA	NA	NA	NA

Notes:

Bold - Constituent has been detected at or above the reporting limit.

NA - Not Analyzed

NR - Not a regulated substance

Prepared By: Tyler Boyles
Checked By: Karyl Harwell

139 BRAMPTON ROAD
SAVANNAH, GEORGIA

TABLE 5 - SUMMARY OF ON-SITE SOIL TEST RESULTS, MARCH 2013

Sample ID	Soil Delineation Concentration Criteria	DUP-2 GP-35	GP-36	GP-37	GP-38	DUP-1 GP-38
Sample Date		3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Sample Depth		2-3	2-3	1	1	1
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	20	<0.00558	<0.00566	NA	NA	NA
1,2-Dichlorobenzene	60	<0.00558	<0.00566	NA	NA	NA
1,3-Dichlorobenzene	60	<0.00558	<0.00566	NA	NA	NA
1,4-Dichlorobenzene	7.5	<0.00558	<0.00566	NA	NA	NA
1,4-Dioxane	4.9	<0.112	<0.113	NA	NA	NA
2-Butanone	200	<0.0558	<0.0566	NA	NA	NA
Acetone	400	**0.0118**	<0.0113	NA	NA	NA
Benzene	0.5	<0.00558	<0.00566	NA	NA	NA
Carbon Disulfide	400	<0.00558	<0.00566	NA	NA	NA
Chlorobenzene	10	<0.00558	<0.00566	NA	NA	NA
cis-1,2-Dichloroethene	7	<0.00558	<0.00566	NA	NA	NA
Cyclohexane	20	<0.00558	<0.00566	NA	NA	NA
Ethylbenzene	70	<0.00558	<0.00566	NA	NA	NA
Isopropylbenzene	21.88	<0.00558	<0.00566	NA	NA	NA
Methylcyclohexane	NR	<0.00558	<0.00566	NA	NA	NA
Tetrachloroethene	0.5	<0.00558	<0.00566	NA	NA	NA
Toluene	100	<0.00558	<0.00566	NA	NA	NA
trans-1,2-Dichloroethene	10	<0.00558	<0.00566	NA	NA	NA
Trichloroethene	0.5	<0.00558	<0.00566	NA	NA	NA
Xylenes, mixture	1,000	<0.0112	<0.0113	NA	NA	NA
Polyaromatic Hydrocarbons (PAHs)						
1-Methylnaphthalene	NR	NA	NA	NA	NA	NA
Metals						
Arsenic	20	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA
Cadmium	2	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA
Lead	75	NA	NA	**10.7**	**7.9**	**8.3**
Mercury	0.5	NA	NA	NA	NA	NA
Selenium	2	NA	NA	NA	NA	NA
Silver	2	NA	NA	NA	NA	NA

Notes:

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NA - Not Analyzed

NR - Not a regulated substance

Prepared By: Tyler Boyles
Checked By: Karyl Harwell

139 BRAMPTON ROAD SITE
SAVANNAH, GEORGIA

TABLE 6 - STOCKPILE SOIL TESTING

Sample	Depth	Date	Total Lead (mg/kg)	TCLP Lead (mg/L)
SP-1	Composite	3/8/2012	16.5	NT
SP-2	Composite	3/8/2012	305	0.413

139 BRAMPTON ROAD
SAVANNAH, GEORGIA

TABLE 7 - SUMMARY OF 2014 OFF-SITE SOIL TEST RESULTS

Sample ID	Soil Delineation Concentration Criteria	HA-NS-01	HA-NS-02
Sample Date		2/13/2014	2/13/2014
Sample Depth		1	1
Units		mg/kg	mg/kg
Metals			
Lead	75	**10.5**	**13.5**

Notes:

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NA - Not Analyzed

NR - Not a regulated substance

Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: / Sample Date: / Sample Matrix: / Units:	W-2 11/6/1987 Groundwater µg/L	W-2 1993 µg/L	W-3 11/6/1987 Groundwater µg/L
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	200		**18**	**40**	**9**
1,1,2-Trichloroethane	5		--	--	--
1,1-Dichloroethane	4000		**24**	**41**	**20**
1,1-Dichloroethene	7		**25**	**485**	**8.8**
1,2-Dichloroethane	5		BDL	BDL	BDL
1,2-Dichloroethene	100		BDL	BDL	BDL
1,2-Dichlorobenzene	600		BDL	BDL	**40**
Benzene	5		BDL	**15**	**12**
Carbon Tetrachloride	5		BDL	BDL	BDL
Chlorobenzene	100		BDL	BDL	**11**
Chloroform	100		--	--	--
cis-1,2-Dichloroethene	70		--	--	--
Dibromochloromethane	80.000		--	--	--
Ethylbenzene	700		BDL	BDL	BDL
Methylene Chloride	5		**6.7**	BDL	BDL
Methyl tert-butyl ether			--	--	--
Styrene	100		--	--	--
Tetrachloroethene	5		**5.9**	BDL	BDL
Toluene	1000		**19**	BDL	BDL
trans-1,2-Dichloroethene	100		**93**	BDL	**100**
Trichloroethene	5		**7.7**	BDL	**95**
Vinyl chloride (lifetime)	2		**24**	**22.8**	**3.6**
Xylenes, mixture	10000		BDL	BDL	BDL
Metals					
Arsenic	10		--	--	--
Barium	2000		**350**	--	**280**
Cadmium	5		--	--	--
Chromium	100		--	--	--
Lead	15		**20**	--	**40**
Mercury	2		--	7	--
Selenium	50		--	--	--
Silver	100		--	--	--

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Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: Sample Date: Sample Matrix: Units:	W-4 11/6/1987 Groundwater µg/L	W-4 11/19/1987 Groundwater µg/L	W-4 2/12/1997 Groundwater µg/L	W-4 (DUP) 2/12/1997 Groundwater µg/L
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	200		BDL	BDL	<5.0	<5.0
1,1,2-Trichloroethane	5		--	--	<5.0	<5.0
1,1-Dichloroethane	4000		**130**	**88**	**50**	**48**
1,1-Dichloroethene	7		**36**	**130**	**45**	**43**
1,2-Dichloroethane	5		BDL	BDL	<5.0	<5.0
1,2-Dichloroethene	100		BDL	BDL	**11**	**10**
1,2-Dichlorobenzene	600		BDL	**1.1**	<5.0	BDL
Benzene	5		**14**	**5.5**	**47**	**47**
Carbon Tetrachloride	5		BDL	**6.2**	<5.0	<5.0
Chlorobenzene	100		BDL	**9**	<5.0	<5.0
Chloroform	100		--	--	--	--
cis-1,2-Dichloroethene	70		--	--	--	--
Dibromochloromethane	80.000		--	--	--	--
Ethylbenzene	700		BDL	BDL	<5.0	<5.0
Methylene Chloride	5		BDL	BDL	<5.0	<5.0
Methyl tert-butyl ether			--	--	--	--
Styrene	100		--	--	--	--
Tetrachloroethene	5		**1800**	**1000**	**150**	**140**
Toluene	1000		BDL	BDL	<5.0	<5.0
trans-1,2-Dichloroethene	100		**30**	**30**	--	--
Trichloroethene	5		**40**	**39**	**38**	**37**
Vinyl chloride (lifetime)	2		BDL	**8.5**	<10	<10
Xylenes, mixture	10000		BDL	BDL	<10	<10
Metals						
Arsenic	10		--	--	--	--
Barium	2000		**520**	--	--	--
Cadmium	5		--	--	--	--
Chromium	100		--	--	--	--
Lead	15		BDL	--	--	--
Mercury	2		--	--	--	--
Selenium	50		--	--	--	--
Silver	100		--	--	--	--

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Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: / Sample Date: / Sample Matrix: / Units:	W-5 11/6/1987 Groundwater µg/L	W-5 1993 Groundwater µg/L	W-5 2/12/1997 Groundwater µg/L	W-5 3/8/2012 Groundwater µg/L		W-5 8/13/2015 Groundwater µg/L
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	200		BDL	BDL	<5.0	<5.0		<1.0
1,1,2-Trichloroethane	5		--	--	**7**	<5.0		<1.0
1,1-Dichloroethane	4000		**9.7**	**127.7**	**19**	**28**		**16.3**
1,1-Dichloroethene	7		**44**	BDL	**110**	**70**		**48.6**
1,2-Dichloroethane	5		BDL	BDL	**12**	<5.0		**1.93**
1,2-Dichloroethene	100		BDL	BDL	<5.0	<5.0		<1.0
1,2-Dichlorobenzene	600		BDL	BDL	--	<5.0		<1.0
Benzene	5		BDL	BDL	**8.4**	<5.0		<1.0
Carbon Tetrachloride	5		BDL	BDL	<5.0	<5.0		<1.0
Chlorobenzene	100		BDL	BDL	<5.0	<5.0		<1.0
Chloroform	100		--	--	<5.0	<5.0		<1.0
cis-1,2-Dichloroethene	70		--	--	--	**6.3**		**4.38**
Dibromochloromethane	80.000		--	--	--	<5.0		<1.0
Ethylbenzene	700		BDL	BDL	<5.0	<5.0		<1.0
Methylene Chloride	5		BDL	BDL	<5.0	<5.0		<1.0
Methyl tert-butyl ether			--	--	--	<5.0		<2.0
Styrene	100		--	--	<5.0	<5.0		<1.0
Tetrachloroethene	5		**12**	**26.6**	**16**	**120**		**59.5**
Toluene	1000		BDL	BDL	<5.0	<5.0		<1.0
trans-1,2-Dichloroethene	100		BDL	BDL	--	<5.0		<1.0
Trichloroethene	5		BDL	BDL	<5.0	**57**		**34**
Vinyl chloride (lifetime)	2		BDL	BDL	<10	<5.0		<1.0
Xylenes, mixture	10000		BDL	BDL	<10	<5.0		<2.0
Metals						Total	Diss.	
Arsenic	10		--	--	--	<50	<50	--
Barium	2000		**200**	--	--	**33.3**	**31.8**	--
Cadmium	5		--	--	--	<5	<5	--
Chromium	100		--	--	--	<10	<10	--
Lead	15		BDL	--	--	<10	<10	--
Mercury	2		--	--	--	<0.2	<0.2	--
Selenium	50		--	--	--	<20	<20	--
Silver	100		--	--	--	<10	<10	--

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Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: / Sample Date: / Sample Matrix: / Units:	W-6 11/6/1987 Groundwater µg/L	W-6 1993 Groundwater µg/L	P-2 1993 Groundwater µg/L	P-2 1997 Groundwater µg/L
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	200		BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5		--	--	--	--
1,1-Dichloroethane	4000		**3**	BDL	**65.5**	**33**
1,1-Dichloroethene	7		BDL	BDL	**90.7**	**23**
1,2-Dichloroethane	5		BDL	BDL	BDL	BDL
1,2-Dichloroethene	100		BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600		BDL	BDL	BDL	BDL
Benzene	5		BDL	BDL	BDL	BDL
Carbon Tetrachloride	5		BDL	BDL	BDL	BDL
Chlorobenzene	100		BDL	BDL	BDL	BDL
Chloroform	100		--	--	--	--
cis-1,2-Dichloroethene	70		--	--	--	--
Dibromochloromethane	80.000		--	--	--	--
Ethylbenzene	700		BDL	BDL	BDL	BDL
Methylene Chloride	5		BDL	BDL	BDL	BDL
Methyl tert-butyl ether			--	--	--	--
Styrene	100		--	--	--	--
Tetrachloroethene	5		BDL	BDL	BDL	BDL
Toluene	1000		BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100		**3.9**	BDL	BDL	BDL
Trichloroethene	5		**17**	**6.6**	BDL	BDL
Vinyl chloride (lifetime)	2		BDL	BDL	BDL	BDL
Xylenes, mixture	10000		BDL	BDL	BDL	BDL
Metals						
Arsenic	10		--	--	--	--
Barium	2000		**520**	--	--	--
Cadmium	5		--	--	--	--
Chromium	100		--	--	--	--
Lead	15		**10**	--	--	--
Mercury	2		--	--	--	--
Selenium	50		--	--	--	--
Silver	100		--	--	--	--

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Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: / Sample Date: / Sample Matrix: / Units:	MW-5 1993 Groundwater µg/L	MW-5 1997 Groundwater µg/L	GW-1 2/13/1997 Groundwater µg/L	GW-1 3/8/2012 Groundwater µg/L		GW-1 8/13/2015 Groundwater µg/L
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	200		BDL	BDL	<5.0	<5.0		<1.0
1,1,2-Trichloroethane	5		--	--	--	<5.0		<1.0
1,1-Dichloroethane	4000		BDL	**5.4**	<5.0	<5.0		<1.0
1,1-Dichloroethene	7		BDL	BDL	<5.0	<5.0		<1.0
1,2-Dichloroethane	5		BDL	BDL	<5.0	<5.0		<1.0
1,2-Dichloroethene	100		BDL	BDL	<5.0	<5.0		<1.0
1,2-Dichlorobenzene	600		BDL	BDL	<5.0	<5.0		<1.0
Benzene	5		BDL	BDL	<5.0	<5.0		<1.0
Carbon Tetrachloride	5		BDL	BDL	<5.0	<5.0		<1.0
Chlorobenzene	100		BDL	BDL	<5.0	<5.0		<1.0
Chloroform	100		--	--	--	<5.0		<1.0
cis-1,2-Dichloroethene	70		--	--	--	<5.0		<1.0
Dibromochloromethane	80.000		--	--	--	<5.0		<1.0
Ethylbenzene	700		BDL	BDL	<5.0	<5.0		<1.0
Methylene Chloride	5		BDL	BDL	<5.0	<5.0		<1.0
Methyl tert-butyl ether			--	--	--	<5.0		<2.0
Styrene	100		--	--	<5.0	<5.0		<1.0
Tetrachloroethene	5		BDL	BDL	**23**	<5.0		<1.0
Toluene	1000		BDL	BDL	<5.0	<5.0		<1.0
trans-1,2-Dichloroethene	100		BDL	BDL	<5.0	<5.0		<1.0
Trichloroethene	5		BDL	BDL	**11**	<5.0		<1.0
Vinyl chloride (lifetime)	2		BDL	BDL	<10	<5.0		<1.0
Xylenes, mixture	10000		BDL	BDL	<10	<5.0		<2.0
Metals						Total	Diss.	
Arsenic	10		--	--	--	<50	<50	--
Barium	2000		--	--	--	**34.1**	**26.2**	--
Cadmium	5		--	--	--	<5	<5	--
Chromium	100		--	--	--	<10	<10	--
Lead	15		--	--	--	<10	<10	--
Mercury	2		--	--	--	<0.2	<0.2	--
Selenium	50		--	--	--	<20	<20	--
Silver	100		--	--	--	<10	<10	--

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Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: Sample Date: Sample Matrix: Units:	GW-2 3/27/1997 Groundwater µg/L	GW-3 2/12/1997 Groundwater µg/L	GW-4 1998 Groundwater µg/L	GW-4 2/13/2014 Groundwater µg/L	GW-4 8/12/2015 Groundwater µg/L
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	200		<5.0	**7.6**	BDL	<1.0	<1.0
1,1,2-Trichloroethane	5		--	--	--	<1.0	<1.0
1,1-Dichloroethane	4000		<5.0	**140**	BDL	<1.0	<1.0
1,1-Dichloroethene	7		<5.0	**210**	BDL	<1.0	<1.0
1,2-Dichloroethane	5		<5.0	**7.3**	BDL	<1.0	<1.0
1,2-Dichloroethene	100		<5.0	**64**	BDL	<1.0	<1.0
1,2-Dichlorobenzene	600		<5.0	<5.0	BDL	<1.0	<1.0
Benzene	5		<5.0	**17**	BDL	<1.0	<1.0
Carbon Tetrachloride	5		<5.0	<5.0	BDL	<1.0	<1.0
Chlorobenzene	100		<5.0	**18**	BDL	<1.0	<1.0
Chloroform	100		--	--	--	<1.0	<1.0
cis-1,2-Dichloroethene	70		--	--	--	<1.0	<1.0
Dibromochloromethane	80.000		--	--	--	<1.0	<1.0
Ethylbenzene	700		<5.0	**21**	BDL	<1.0	<1.0
Methylene Chloride	5		<5.0	<5.0	BDL	<1.0	<1.0
Methyl tert-butyl ether			--	--	--	<2.0	<2.0
Styrene	100		<5.0	**5.9**	--	<1.0	<1.0
Tetrachloroethene	5		<5.0	**400**	BDL	<1.0	<1.0
Toluene	1000		<5.0	<5.0	BDL	<1.0	<1.0
trans-1,2-Dichloroethene	100		<5.0	<5.0	BDL	<1.0	<1.0
Trichloroethene	5		<5.0	**49**	BDL	<1.0	<1.0
Vinyl chloride (lifetime)	2		<10	<10	BDL	<1.0	<1.0
Xylenes, mixture	10000		<10	**24**	BDL	<2.0	<2.0
Metals							
Arsenic	10		--	--	--	--	--
Barium	2000		--	--	--	--	--
Cadmium	5		--	--	--	--	--
Chromium	100		--	--	--	--	--
Lead	15		--	--	--	--	--
Mercury	2		--	--	--	--	--
Selenium	50		--	--	--	--	--
Silver	100		--	--	--	--	--

Notes:
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Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: Sample Date: Sample Matrix: Units:	GW-5 1998 Groundwater µg/L	GW-5 2/13/2014 Groundwater µg/L	GW-5 8/12/2015 Groundwater µg/L
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	200		BDL	<1.0	<1.0
1,1,2-Trichloroethane	5		--	<1.0	<1.0
1,1-Dichloroethane	4000		BDL	<1.0	<1.0
1,1-Dichloroethene	7		BDL	<1.0	<1.0
1,2-Dichloroethane	5		BDL	<1.0	<1.0
1,2-Dichloroethene	100		BDL	<1.0	<1.0
1,2-Dichlorobenzene	600		BDL	<1.0	<1.0
Benzene	5		BDL	<1.0	<1.0
Carbon Tetrachloride	5		BDL	<1.0	<1.0
Chlorobenzene	100		BDL	<1.0	<1.0
Chloroform	100		--	<1.0	<1.0
cis-1,2-Dichloroethene	70		--	<1.0	<1.0
Dibromochloromethane	80.000		--	<1.0	<1.0
Ethylbenzene	700		BDL	<1.0	<1.0
Methylene Chloride	5		BDL	<1.0	<1.0
Methyl tert-butyl ether			--	<2.0	<2.0
Styrene	100		--	<1.0	<1.0
Tetrachloroethene	5		BDL	<1.0	<1.0
Toluene	1000		BDL	<1.0	<1.0
trans-1,2-Dichloroethene	100		BDL	<1.0	<1.0
Trichloroethene	5		BDL	<1.0	<1.0
Vinyl chloride (lifetime)	2		BDL	<1.0	<1.0
Xylenes, mixture	10000		BDL	<2.0	<2.0
Metals					
Arsenic	10		--	--	--
Barium	2000		--	--	--
Cadmium	5		--	--	--
Chromium	100		--	--	--
Lead	15		--	--	--
Mercury	2		--	--	--
Selenium	50		--	--	--
Silver	100		--	--	--

Notes:
Bold = Constituent has been detected at or above the reporting limit.
-- = Not Analyzed and/or Not Reported
BDL = Below Dection Limit as reported by Golder & Associaties

Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: / Sample Date: / Sample Matrix: / Units:	GW-7 10/7/1999 Groundwater µg/L	GW-7 3/8/2012 Groundwater µg/L		GW-7 2/13/2014 Groundwater µg/L	GW-7 8/13/2015 Groundwater µg/L	GW-8 10/7/1999 Groundwater µg/L
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	200		<5.0	<5.0		--	<1.0	<5.0
1,1,2-Trichloroethane	5		--	<5.0		--	<1.0	--
1,1-Dichloroethane	4000		<5.0	<5.0		--	<1.0	<5.0
1,1-Dichloroethene	7		<5.0	<5.0		--	<1.0	<5.0
1,2-Dichloroethane	5		<5.0	<5.0		--	<1.0	<5.0
1,2-Dichloroethene	100		<5.0	<5.0		--	<1.0	<5.0
1,2-Dichlorobenzene	600		<5.0	<5.0		--	<1.0	<5.0
Benzene	5		<5.0	<5.0		--	<1.0	<5.0
Carbon Tetrachloride	5		<5.0	<5.0		--	<1.0	<5.0
Chlorobenzene	100		<5.0	<5.0		--	<1.0	<5.0
Chloroform	100		--	<5.0		--	<1.0	**13**
cis-1,2-Dichloroethene	70		--	<5.0		--	<1.0	--
Dibromochloromethane	80.000		--	<5.0		--	<1.0	--
Ethylbenzene	700		**5.2**	<5.0		--	<1.0	<5.0
Methylene Chloride	5		<5.0	<5.0		--	<1.0	<5.0
Methyl tert-butyl ether			--	<5.0		--	<2.0	--
Styrene	100		--	<5.0		--	<1.0	--
Tetrachloroethene	5		<5.0	<5.0		--	<1.0	<5.0
Toluene	1000		<5.0	<5.0		--	<1.0	<5.0
trans-1,2-Dichloroethene	100		<5.0	<5.0		--	<1.0	<5.0
Trichloroethene	5		<5.0	<5.0		--	<1.0	<5.0
Vinyl chloride (lifetime)	2		<10	<5.0		--	<1.0	<10
Xylenes, mixture	10000		**68**	**230**		<2.0	<2.0	<10
Metals				Total	Diss.			
Arsenic	10		--	<50	<50	--	--	--
Barium	2000		--	<20	<20	--	--	--
Cadmium	5		--	<5	<5	--	--	--
Chromium	100		--	<10	<10	--	--	--
Lead	15		--	<10	<10	--	--	--
Mercury	2		--	<0.2	<0.2	--	--	--
Selenium	50		--	<20	<20	--	--	--
Silver	100		--	<10	<10	--	--	--

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Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: Sample Date: Sample Matrix: Units:	GW-9 10/7/1999 Groundwater µg/L	GW-9 3/20/2013 Groundwater µg/L	GW-10 10/7/1999 Groundwater µg/L	GW-10 2/13/2014 Groundwater µg/L	GW-10 8/12/2015 Groundwater µg/L
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	200		<5.0	<1.0	<5.0	<1.0	<1.0
1,1,2-Trichloroethane	5		--	<1.0	--	<1.0	<1.0
1,1-Dichloroethane	4000		**28**	**6.14**	<5.0	<1.0	<1.0
1,1-Dichloroethene	7		**39**	**15**	<5.0	<1.0	<1.0
1,2-Dichloroethane	5		<5.0	<1.0	<5.0	<1.0	<1.0
1,2-Dichloroethene	100		**9.1**	<1.0	<5.0	<1.0	<1.0
1,2-Dichlorobenzene	600		<5.0	<1.0	<5.0	<1.0	<1.0
Benzene	5		**8**	**1.22**	<5.0	<1.0	<1.0
Carbon Tetrachloride	5		<5.0	<1.0	<5.0	<1.0	<1.0
Chlorobenzene	100		<5.0	<1.0	<5.0	<1.0	<1.0
Chloroform	100		<5.0	<1.0	**7.8**	<1.0	<1.0
cis-1,2-Dichloroethene	70		--	<1.0	--	<1.0	**1.23**
Dibromochloromethane	80.000		--	<1.0	--	<1.0	<1.0
Ethylbenzene	700		<5.0	<1.0	<5.0	<1.0	<1.0
Methylene Chloride	5		<5.0	<1.0	<5.0	<1.0	<1.0
Methyl tert-butyl ether			--	<2.0	--	<2.0	<2.0
Styrene	100		--	<1.0	--	<1.0	<1.0
Tetrachloroethene	5		**24**	**5.51**	<5.0	**1.17**	**4.44**
Toluene	1000		<5.0	<1.0	<5.0	<1.0	<1.0
trans-1,2-Dichloroethene	100		<5.0	<1.0	<5.0	<1.0	<1.0
Trichloroethene	5		**12**	**1.65**	<5.0	**2.55**	**3**
Vinyl chloride (lifetime)	2		<10	<1.0	<10	<1.0	<1.0
Xylenes, mixture	10000		<10	<2.0	<10	<2.0	<2.0
Metals							
Arsenic	10		--	--	--	--	--
Barium	2000		--	--	--	--	--
Cadmium	5		--	--	--	--	--
Chromium	100		--	--	--	--	--
Lead	15		--	--	--	--	--
Mercury	2		--	--	--	--	--
Selenium	50		--	--	--	--	--
Silver	100		--	--	--	--	--

Notes:
Bold = Constituent has been detected at or above the reporting limit.
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BDL = Below Dection Limit as reported by Golder & Associaties

Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: / Sample Date: / Sample Matrix: / Units:	GW-11 10/7/1999 Groundwater µg/L	EW-1 3/8/2012 Groundwater µg/L		EW-1 8/13/2015 Groundwater µg/L	EW-2 3/7/2012 Groundwater µg/L		EW-2 8/13/2015 Groundwater µg/L
Volatile Organic Compounds (VOCs)									
1,1,1-Trichloroethane	200		<5.0	<5.0		<1.0	<5.0		<1.0
1,1,2-Trichloroethane	5		<5.0	<5.0		<1.0	<5.0		<1.0
1,1-Dichloroethane	4000		<5.0	<5.0		<1.0	**5.7**		**3.79**
1,1-Dichloroethene	7		<5.0	<5.0		<1.0	**7.7**		**6.34**
1,2-Dichloroethane	5		<5.0	<5.0		<1.0	<5.0		<1.0
1,2-Dichloroethene	100		<5.0	<5.0		<1.0	<5.0		<1.0
1,2-Dichlorobenzene	600		<5.0	<5.0		<1.0	<5.0		<1.0
Benzene	5		<5.0	<5.0		<1.0	<5.0		<1.0
Carbon Tetrachloride	5		<5.0	<5.0		<1.0	<5.0		<1.0
Chlorobenzene	100		<5.0	<5.0		<1.0	<5.0		<1.0
Chloroform	100		<5.0	<5.0		<1.0	<5.0		<1.0
cis-1,2-Dichloroethene	70		--	<5.0		<1.0	**16**		**10.5**
Dibromochloromethane	80.000		--	<5.0		<1.0	<5.0		<1.0
Ethylbenzene	700		<5.0	<5.0		<1.0	<5.0		<1.0
Methylene Chloride	5		<5.0	<5.0		<1.0	<5.0		<1.0
Methyl tert-butyl ether			--			<2.0	**5.1**		<2.0
Styrene	100		--	<5.0		<1.0	<5.0		<1.0
Tetrachloroethene	5		<5.0	<5.0		<1.0	**76**		**31.2**
Toluene	1000		<5.0	<5.0		<1.0	<5.0		<1.0
trans-1,2-Dichloroethene	100		<5.0	<5.0		<1.0	<5.0		<1.0
Trichloroethene	5		<5.0	<5.0		<1.0	**51**		**21**
Vinyl chloride (lifetime)	2		<10	<5.0		<1.0	<5.0		<1.0
Xylenes, mixture	10000		<10	<5.0		<2.0	<5.0		<2.0
Metals				Total	Diss.		Total	Diss.	
Arsenic	10		--	<50	<50	--	<50	<50	--
Barium	2000		--	**74**	**68.5**	--	**74.1**	**56.5**	--
Cadmium	5		--	<5	<5	--	<5	<5	--
Chromium	100		--	<10	<10	--	<10	<10	--
Lead	15		--	<10	<10	--	<10	<10	--
Mercury	2		--	<0.2	<0.2	--	<0.2	<0.2	--
Selenium	50		--	<20	<20	--	<20	<20	--
Silver	100		--	<10	<10	--	<10	<10	--

Notes:
Bold = Constituent has been detected at or above the reporting limit.
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BDL = Below Dection Limit as reported by Golder & Associaties

Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: / Sample Date: / Sample Matrix: / Units:	EW-3 3/20/2013 Groundwater µg/L	EW-3 8/11/2015 Groundwater µg/L	EW-4 2/12/2014 Groundwater µg/L	EW-4 8/11/2015 Groundwater µg/L	EW-5 2/12/2014 Groundwater µg/L
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	200		<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5		<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	4000		<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7		<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	5		<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethene	100		<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600		<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	5		<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Tetrachloride	5		<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100		<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	100		<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	70		<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	80.000		<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	700		<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5		<1.0	<1.0	<1.0	<1.0	<1.0
Methyl tert-butyl ether			<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100		<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5		<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000		<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100		<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	5		<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride (lifetime)	2		<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, mixture	10000		<2.0	<2.0	<2.0	<2.0	<2.0
Metals							
Arsenic	10		--	--	--	--	--
Barium	2000		--	--	--	--	--
Cadmium	5		--	--	--	--	--
Chromium	100		--	--	--	--	--
Lead	15		--	--	--	--	--
Mercury	2		--	--	--	--	--
Selenium	50		--	--	--	--	--
Silver	100		--	--	--	--	--

Notes:
Bold = Constituent has been detected at or above the reporting limit.
-- = Not Analyzed and/or Not Reported
BDL = Below Dection Limit as reported by Golder & Associaties

Table 8 - Comprehensive Summary of Groundwater Testing Results
139 Brampton Road Site
Savannah, Georgia

PARAMETER	Type 1 Risk Reduction Standard µg/L	Sample ID: Sample Date: Sample Matrix: Units:	EW-5 8/12/2015 Groundwater µg/L	EW-6 2/12/2014 Groundwater µg/L	EW-6 8/12/2015 Groundwater µg/L	EW-7 2/12/2014 Groundwater µg/L	EW-7 8/12/2015 Groundwater µg/L	EW-7 3/9/2016 Groundwater µg/L
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	200		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	4000		<1.0	**2.16**	**8.29**	**3.72**	**5.06**	**4.26**
1,1-Dichloroethene	7		<1.0	**2.82**	**13.2**	**10.7**	**14.4**	**14.7**
1,2-Dichloroethane	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethene	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Tetrachloride	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	70		<1.0	<1.0	**1.85**	<1.0	**6.19**	**2.8**
Dibromochloromethane	80.000		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	700		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl tert-butyl ether			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5		<1.0	<1.0	<1.0	<1.0	<1.0	**1.28**
Toluene	1000		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	5		<1.0	<1.0	**2.35**	**4.34**	**7.4**	**11.3**
Vinyl chloride (lifetime)	2		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, mixture	10000		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Metals								
Arsenic	10		--	--	--	--	--	--
Barium	2000		--	--	--	--	--	--
Cadmium	5		--	--	--	--	--	--
Chromium	100		--	--	--	--	--	--
Lead	15		--	--	--	--	--	--
Mercury	2		--	--	--	--	--	--
Selenium	50		--	--	--	--	--	--
Silver	100		--	--	--	--	--	--

Notes:
Bold = Constituent has been detected at or above the reporting limit.
-- = Not Analyzed and/or Not Reported
BDL = Below Dection Limit as reported by Golder & Associaties

139 BRAMPTON ROAD SITE
SAVANNAH, GEORGIA

TABLE 9 - SUMMARY OF SLUG TEST DATA

Slugged Monitoring Well	Calculated Hydraulic Conductivity (K) Value	
	(centimeters/second)	(feet/day)
GW-4	4.98E-04	1.41
GW-5	3.56E-04	1.01
GW-7	2.91E-03	8.25
GW-11	1.02E-03	2.89
GW-12	1.05E-04	0.3
Geometric Mean K-	5.60E-04 cm/sec	1.59 feet/day

139 BRAMPTON ROAD SITE
SAVANNAH, GEORGIA

TABLE 10 - SUMMARY OF NATURAL ATTENUATION PARAMETERS

Well ID	EW-1	HA-1	HA-2	HA-3	W-5	GW-1
Sample Matrix	**Water**	**Soil**	**Soil**	**Soil**	**Water**	**Water**
Sample Date	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015
Units	mg/L	mg/kg	mg/kg	mg/kg	mg/L	mg/L
Field Measured Parameters						
pH	4.95	NA	NA	NA	4.76	4.7
Specific Conductivity, mS/cm	0.187	NA	NA	NA	0.231	0.125
ORP, mV	274	NA	NA	NA	92	342
Dissolved Oxygen, mg/L	3.37	NA	NA	NA	0.06	0
Temperature, °C	23.83	NA	NA	NA	20.03	21.32
Laboratory Measured Parameters						
Total Organic Carbon	**1.31**	**331**	**2420**	**19000**	**5.44**	**1.31**
Ferrous Iron	<0.05	NA	NA	NA	**0.16**	<0.05
Alkalinity	<4.0	NA	NA	NA	<4.0	<4.0
Ethane	<0.002	NA	NA	NA	<0.002	<0.002
Ethylene	<0.002	NA	NA	NA	<0.002	<0.002
Methane	**0.00323**	NA	NA	NA	**0.0286**	**0.00277**
Nitrate	<0.25	NA	NA	NA	<0.25	**4.78**
Nitrite	<0.25	NA	NA	NA	<0.25	<0.25
Sulfate	**35.4**	NA	NA	NA	**73.8**	**13.5**
Sulfide	<2.0	NA	NA	NA	<2.0	<2.0
Chloride	**29.6**	NA	NA	NA	**17.2**	**13**

Notes:
mS/cm - mircoSiemens per centimeter
mV - millivolts
mg/L - milligrams per liter
°C - degrees celsius

Table 11 – Summary of Highest Remaining Soil Constituent Concentrations

Constituent	Highest Concentration Remaining on site, mg/kg	Location	Depth, Ft.	Applicable RRS, mg/kg			
				Type 1	Type 2	Type 3	Type 4
Arsenic	26	GP-03	6-7	20	0.29	38	0.29
Barium	450	B7-5	9-10	1000	130	1000	840
Cadmium	0.051	B5-3	5-6	2.0	0.59	39	3.8
Chromium	102	EW-2	3-4	100	1.9	1200	1.9
Lead	910	E-SW-3	1	75	415	400	960
Mercury	0.491	EW-2	3-4	0.5	0.24	17	1.6
Nickel	16	B9-6	14-15	50	20	420	130
1,1,1-Trichloroethane	0.017	EW-2	3-4	20	0.93	20	4.7
1,2-Dichlorobenzene	0.013	EW-2	3-4	60	0.58	60	0.58
1,3-Dichlorobenzene	0.0074	EW-2	3-4	60	0.48	60	0.48
1,4-Dichlorobenzene	0.018	EW-2	3-4	7.5	0.72	7.5	0.72
2-Butanone	0.066	EW-2	3-4	200	0.47	200	2.4
Acetone	0.0118	EW-2	3-4	400	1.6	400	9.4
Benzene	0.14	EW-2	3-4	0.5	0.0028	0.5	0.0045
Carbon Disulfide	0.011	EW-2	3-4	400	1.2	400	1.2
Cyclohexane	0.025	GP-08	6-7	20	3.6	20	18
cis-1,2-Dichloroethene	1.8	GP-05	2-3	7.0	0.021	7.0	0.06
Trans-1,2-Dichloroethene	0.043	GP-05	2-3	10	0.029	10	0.047
Ethylbenzene	11	EW-2	3-4	70	0.78	70	0.78
Isopropylbenzene	0.18	EW-2	3-4	22	0.33	22	1.7
Tetrachloroethene	5.2	GP-05	2-3	0.5	0.0086	0.5	0.044
Toluene	0.018	EW-2	3-4	100	0.69	100	3.6
Trichloroethene	2.2	GP-05	2-3	0.5	0.0018	0.5	0.0019
Acenaphthene	0.015	B3-1	9-10	300	21	300	63
Acenaphthylene	0.00042	B3-1	9-10	130	0.0013	130	0.0013
Fluoranthene	0.0024	B3-1	9-10	500	110	500	450
Fluorene	0.013	B3-1	9-10	360	19	360	76
Naphthalene	0.002	B3-1	9-10	100	0.066	100	0.066

Mg/kg – milligrams per kilogram (parts per million)

Table 12 – Summary of Indoor Air Testing Results

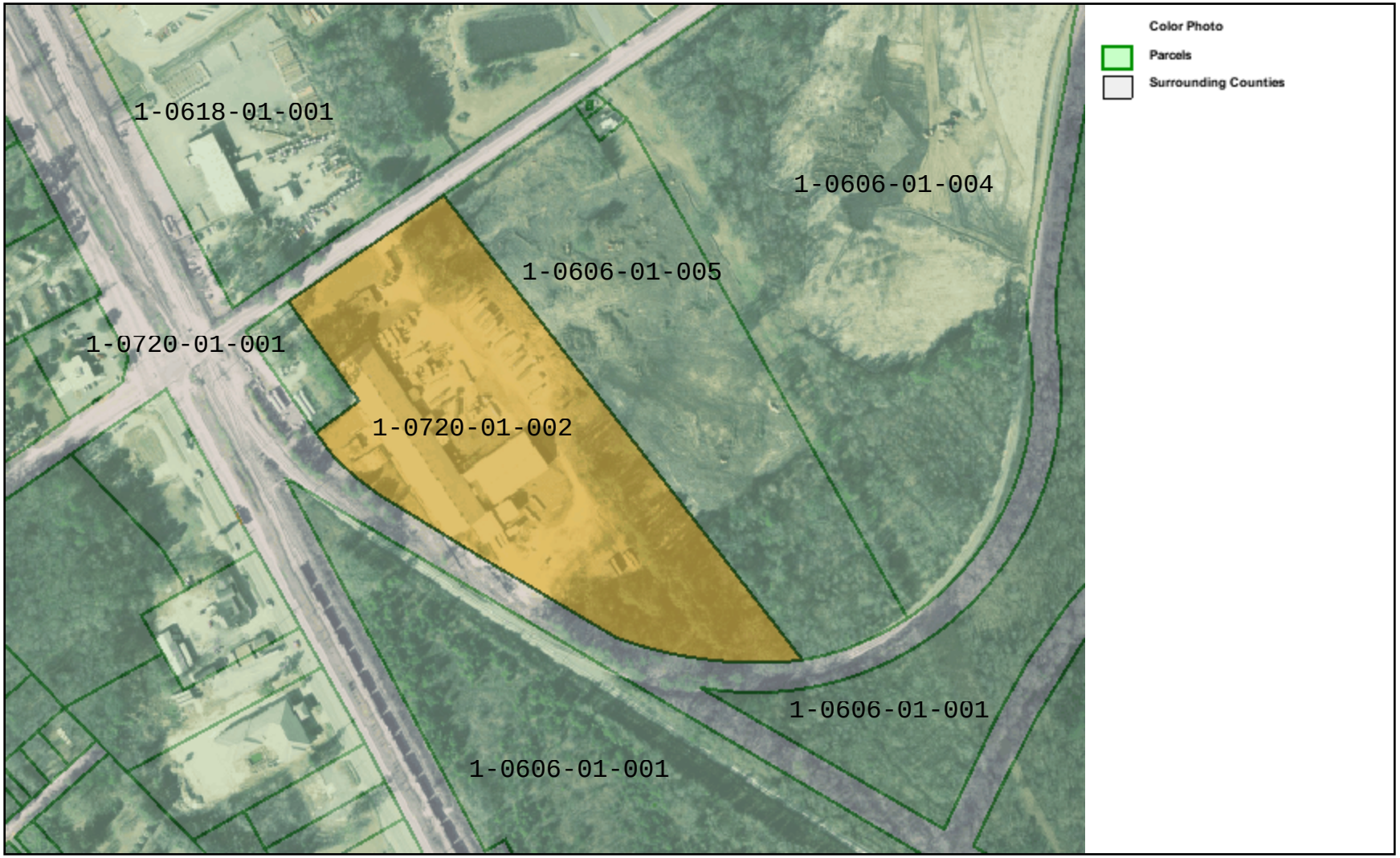
Constituent	AS-1	AS-2	AS-3
Acetone	51.0	13.7	13.6

Results presented in micrograms per cubic meter

APPENDIX A

WARRANTY DEED WITH LEGAL DESCRIPTION AND TAX PLAT MAP

MapIT



Tax Map

0 149 feet

Created by MapIt on 2/22/2010 2:56:59 PM using ArcIMS 4.0.1. © Copyright 2002-2003 BinaryBus, Ltd.

Return to:
Stanley E. Harris, Jr.
Duffy & Feemster, LLC
P.O. Box 10144, Savannah, GA 31412

RECEIVED FOR RECORD
2010 JUL -1 PM 4:20
DANIEL W. MASSEY
CLERK
SUPERIOR COURT C.C.G.A.

STATE OF GEORGIA)
)
COUNTY OF CHATHAM)

QUITCLAIM DEED

THIS INDENTURE, made this 25th day of June, 2010, between, WELLS FARGO BANK, N.A., a national banking association, successor to Wachovia Bank, N.A., successor to First Union National Bank of Georgia, successor to Savannah Bank & Trust Company of Savannah as Trustee under agreement with Van W. Pierce, f/b/o Brenda Heisey, as Party of the First Part, and L. DALE HENDRIX, a resident of Chatham County, Georgia, as Trustee of the Trust f/b/o Brenda Heisey under the Trust created January 15, 1980, as Party of the Second Part,

WITNESSETH:

That the said Party of the First Part for and in consideration of the sum of One ($1.00) Dollar; cash in hand paid; the receipt and adequacy of which is hereby acknowledged, has bargained, sold, and does by these presents remise, release and forever QUITCLAIM to the said Party of the Second Part, his heirs, executors, administrators and assigns, all of the right, title, interest, claim or demand the said Party of the First Part has or may have had in and to the following described property, to-wit:

ALL that certain lot, tract or parcel of land situate, lying and being in the State of Georgia, County of Chatham, being depicted on a "Plat of an 11.098 Acre Portion of the Former Foundation Tract located near Garden City, Georgia", prepared on July 17, 1963, by Sewell & Associates, Inc. Engineers, recorded in Plat Record Book "O", folio 165 of the records of the office of the clerk of Superior Court of Chatham County, Georgia, and

as described on the deed from Van W. Pierce to L. Dale Hendrix and the Savannah Bank & Trust Company, dated January 15, 1980, recorded in Deed Book 114-I, page 682 of the aforesaid clerk's records to which plat and deed express reference is made for a more particular description,

with all of the rights, members and appurtenances in anywise appertaining or belonging.

TO HAVE AND TO HOLD the said property and premises to the said Party of the Second Part so that neither the said Party of the First Part nor its successors and assigns, nor any person or persons claiming under the Party of the First Part, shall at any time by any ways or means, have, claim or demand any right or title to the aforesaid property and premises or its appurtenances or any right thereof.

IN WITNESS WHEREOF, the said Party of the First Part has hereunto caused these presents to be executed by duly authorized officers on the day and year first above written.

WELLS FARGO BANK, N.A. SUCCESSOR TO WACHOVIA BANK, N.A., SUCCESSOR TO FIRST UNION NATIONAL BANK OF GEORGIA, SUCCESSOR TO SAVANNAH BANK & TRUST COMPANY OF SAVANNAH

Witness

By: _____
Title: Vice President - Forrest Williams

Attest: Caroline S Thompson
Title: Vice President Caroline S. Thompson

Signed, sealed and delivered on this 25th day of June, 2010, in the presence of:

Raychelle Johnson
Notary Public, Dekalb County, GA.

RAYCHELLE JOHNSON NOTARY PUBLIC DEKALB COUNTY, GA MY COMM. EXP. JANUARY 30, 2012

FOR AFFIDAVIT FILED ON
Aug 12 1996 SEE
DEED BOOK 204 FOLIO 440
DEP. CLERK, S.C.C.C., GA

STATE OF GEORGIA
COUNTY OF CHATHAM

682

THIS INDENTURE made and entered into this 15th day of January, 1980, by and between VAN W. PIERCE, Party of the First Part, and L. DALE HENDRIX and SAVANNAH BANK & TRUST COMPANY OF SAVANNAH, as Trustees under agreement with Van W. Pierce, dated January 15, 1980, Parties of the Second Part;

W I T N E S S E T H:

That the Party of the First Part, for and in consideration of the natural love and affection that he has for his daughter, Brenda P. Heisey, and her children, the beneficiaries of the trust referred to herein, has given, granted and conveyed and does hereby give, grant and convey unto the said Parties of the Second Part, their successors and assigns, the following described property, to-wit:

All that certain lot, tract or parcel of land situate, lying and being in the State of Georgia, County of Chatham, and being shown upon a map or plat entitled "Plat of an 11.098 Acre Portion of the Former Foundation Tract located near Garden City, Georgia" prepared on July 17, 1963, by Sewell & Associates, Inc., Engineers, and shown as "Survey for Savannah Steel Drum Corporation", which is of record in the Office of the Clerk of the Superior Court of Chatham County, Georgia, in Plat Record Book "O", Folio 165, and being more particularly described as follows: Commencing at the point of intersection between the Southern right of way line of Brampton Road and the Eastern right of way line of the main lead track to National Gypsum Company, of the Savannah & Atlanta Railway Company, and running thence North Fifty-five degrees Fifty minutes East (N 55° 50' E) along the Southern right of way line of Brampton Road a distance of One Hundred Fifty (150) feet to a concrete monument that is the point of BEGINNING; running thence North Fifty-five degrees Fifty minutes East (N 55° 50' E) along the Southern right of way line of Brampton Road a distance of Four Hundred Thirty (430) feet to a concrete monument; running thence South Thirty-four degrees Ten minutes East (S 34° 10' E) a distance of One Thousand Two Hundred Eighty-three and Fifty-five Hundredths (1,283.55) feet to a concrete monument; running thence South Eighty-six degrees Twenty-eight minutes West (S 86° 28' W) a distance of Fifty (50) feet to a stake; running thence North Eighty-nine degrees Thirty-five minutes West (N 89° 35' W) a distance of Fifty (50) feet to a stake; running thence North Eighty-four degrees Fifty-one minutes West (N 84° 51' W) a distance of Fifty (50) feet to a stake; running thence North Eighty degrees Forty-six minutes Thirty seconds West (N 80° 46' 30" W) a distance of Fifty (50) feet to a stake; running thence North Seventy-Five degrees Fifty-nine minutes West (N 75° 59' W) a distance of Fifty (50) feet to a stake; running thence North Seventy-one degrees Nineteen minutes Thirty Seconds West (N 71° 19' 30" W) a distance of Fifty (50) feet to a stake; running thence North Sixty-seven degrees Fifty-four minutes Thirty seconds West (N 67° 54' 30" W) a distance of Fifty (50) feet to a stake; running thence North Sixty-six degrees Fifteen minutes Thirty seconds West (N 66° 15' 30" W) a distance of

Fifty (50) feet to a stake; running thence North Sixty-five degrees Thirty-one minutes Thirty seconds West (N 65° 31' 30" W) a distance of Fifty (50) feet to a stake; running thence North Sixty-four degrees Two minutes Thirty seconds West (N 64° 02' 30" W) a distance of Fifty (50) feet to a stake; running thence North Sixty-one degrees Forty-Three minutes West (N 61° 43' W) a distance of Fifty (50) feet to a stake; running thence North Fifty-eight degrees Twenty minutes West (N 58° 20' W) a distance of Forty-eight (48) feet to a stake; running thence North Fifty-seven degrees Two Minutes West (N 57° 02' W) a distance of Two Hundred Seventy-nine (279) feet to a stake; running thence North Fifty-five degrees Forty-four minutes West (N 55° 44' W) a distance of Fifty (50) feet to a stake; running thence North Fifty-two degrees Fifty-nine minutes West (N 52° 59' W) a distance of Fifty (50) feet to a stake; running thence North Fifty degrees Thirty minutes Thirty seconds West (N 50° 30' 30" W) a distance of Fifty (50) feet to a stake; running thence North Forty-seven degrees Forty-five minutes Thirty seconds West (N 47° 45' 30" W) a distance of Fifty (50) feet to a stake; running thence North Forty-five degrees Seven minutes West (N 45° 07' W) a distance of Fifty (50) feet to a stake; running thence North Forty-four degrees Two Minutes West (N 44° 02' W) a distance of Thirty-two and Four Hundredths (32.04) feet to a concrete monument; running thence North Fifty-five degrees Fifty minutes East (N 55° 50' E) a distance of One Hundred Twenty-four and Fifteen Hundredths (124.15) feet to a concrete monument; running thence North Thirty-four degrees Ten minutes West (N 34° 10' W) a distance of Three Hundred (300) feet to a concrete monument that was the point of beginning; express reference is hereby made to the aforesaid plat for better determining the metes, bounds and dimensions of the property hereby conveyed.

TO HAVE AND TO HOLD the said above-described property, together with all and singular the rights, members, improvements and appurtenances thereof to the same being, belonging, or in anywise appertaining to the said Parties of the Second Part, their successors and assigns forever.

IN WITNESS WHEREOF, the said Party of the First Part has hereunto set his hand and affixed his seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

Rhonda B. Fillingim

Van W. Pierce (L.S.)
VAN W. PIERCE

Notary Public, Chatham County, Georgia

Filed For Record At 3:51 O'Clock P M. On The 12 Day Of Feb 19 80
Recorded In Record Book 114-T Folio 682
On The 12 Day Of Feb 19 80

CLERK SUPERIOR COURT, CHATHAM CO., GA.

To Dwight Feemster

180K
440

RETURN TO: Dwight T. Feemster, Esq.
P.O. Box 10144
Savannah, GA 31412

FILED FOR RECORD
REC. BK 180-K
PG 440
96 AUG 12 PM 4:08
CLERK, SUPERIOR CT.
CHATHAM CO., GA.

STATE OF GEORGIA)
)
COUNTY OF CHATHAM)

AFFIDAVIT

440

THIS AFFIDAVIT is executed by L. Dale Hendrix, Sr., Trustee under the Agreement with Van W. Pierce dated January 15, 1980 For the Benefit of Brenda P. Heisey in accordance with the requirements of the Georgia Hazardous Response Act and Rule 391-3-19-.08(2) of the Administrative Code of the Environmental Protection Division.

1. This affidavit is being prepared in compliance with O.C.G.A. § 44-2-20 and is to be recorded in the office of the Clerk of the Superior Court of Chatham County, Georgia, in compliance with O.C.G.A. § 44-2-22.

2. The property in question is described as follows:

All that certain lot, tract or parcel of land situate, lying and being in the State of Georgia, County of Chatham, and being shown upon a map or plat entitled "Plat of an 11.098 Acre Portion of the Former Foundation tract located near Garden City, Georgia" prepared on July 17, 1963, by Sewell & Associates, Inc., Engineers, and shown as "Survey for Savannah Steel Drum Corporation", which is of record in the Office of the Clerk of the Superior Court of Chatham County, Georgia, in Plat Record Book "O", Folio 165, and being more particularly described as follows: Commencing at the point of intersection between the Southern right of way line of Brampton Road and the Eastern right of way line of the main lead tract to National Gypsum Company, of the Savannah & Atlanta Railway Company, and running thence North Fifty-five degrees Fifty minutes East (N 55° 50' E) along the Southern right of way line of Brampton Road a distance of One Hundred Fifty (150) feet to a concrete monument that is the point of BEGINNING; running thence North Fifty-five degrees Fifty minutes East (N 55° 50' E) along the Southern right of way line of Brampton Road a distance of Four Hundred Thirty (430) feet to a concrete monument; running thence South Thirty-four degrees Ten minutes East (S 34° 10' E) a distance of One Thousand Two Hundred Eighty-three and Fifty-five Hundredths (1,283.55) feet to a concrete monument; running thence South Eighty-six degrees Twenty-eight minutes West (S 86° 28' W) a distance of Fifty (50) feet to a stake; running thence North Eighty-nine degrees Thirty-five minutes West (N 89° 35' W) a distance of Fifty (50) feet to a stake; running thence North Eighty-four degrees Fifty-one minutes West (N 84° 51' W) a distance of Fifty (50) feet to a stake; running thence North Eighty degrees Forty-six minutes Thirty seconds West (N 80° 46' 30" W) a distance of Fifty (50) feet

5844104001 08/12/96TOTAL 14.00

to a stake; running thence North Seventy-Five degrees Fifty-nine minutes West (N 75° 59' W) a distance of Fifty (50) feet to a stake; running thence North Seventy-one degrees Nineteen minutes Thirty Seconds West (N 71° 19' 30" W) a distance of Fifty (50) feet to a stake; running thence North Sixty-seven degrees Fifty-four minutes Thirty seconds West (N 67° 54' 30" W) a distance of Fifty (50) feet to a stake; running thence North Sixty-six degrees Fifteen minutes Thirty seconds West (N 66° 15' 30" W) a distance of Fifty (50) feet to a stake; running thence North Sixty-five degrees Thirty-one minutes Thirty seconds West (N 65° 31' 30" W) a distance of Fifty (50) feet to a stake; running thence North Sixty-four degrees Two minutes Thirty seconds West (N 64° 02' 30" W) a distance of Fifty (50) feet to a stake; running thence North Sixty-one degrees Forty-three minutes West (N 61° 43' W) a distance of Fifty (50) feet to a stake; running thence North Fifty-eight degrees Twenty minutes West (N 58° 20' W) a distance of Forty-eight (48) feet to a stake; running thence North Fifty-seven degrees Two minutes West (N 57° 02' W) a distance of Two Hundred Seventy-nine (279) feet to a stake; running thence North Fifty-five degrees Forty-four minutes West (N 55° 44' W) a distance of Fifty (50) feet to a stake; running thence North Fifty-two degrees Fifty-nine minutes West (N 52° 59' W) a distance of Fifty (50) feet to a stake; running thence North Fifty degrees Thirty minutes Thirty seconds West (N 50° 30' 30" W) a distance of Fifty (50) feet to a stake; running thence North Forty-seven degrees Forty-five minutes Thirty seconds West (N 47° 45' 30" W) a distance of Fifty (50) feet to a stake; running thence North Forty-five degrees Seven minutes West (N 45° 07' W) a distance of Fifty (50) feet to a stake; running thence North Forty-four degrees two minutes West (N 44° 02' W) a distance of Thirty-two and Four Hundredths (32.04) feet to a concrete monument; running thence North Fifty-five degrees Fifty minutes East (N 55° 50' E) a distance of One Hundred Twenty-four and Fifteen hundredths (124.15) feet to a concrete monument, running thence North Thirty-four degrees Ten minutes West (N 34° 10' W) a distance of three Hundred (300) feet to a concrete monument that was the point of beginning; express reference is hereby made to the aforesaid plat for better determining the metes, bounds and dimensions of the property hereby conveyed.

3. This property is the same property transferred by a gift deed from Van W. Pierce to L. Dale Hendrix and Savannah Bank and Trust Company of Savannah as Trustees under Agreement with Van W. Pierce dated January 15, 1980 for the Benefit of Brenda Heisey, filed for record with the Clerk of the Superior Court of Chatham County on February 12, 1980 in Deed Book 114I, folio 682.

4. On the 14th day of August, 1995, the Director of the Environmental Division informed L. Dale Hendrix as Trustee that the above described property was classified on the Division's

Hazardous Site Inventory and was in need of corrective action.

5. Accordingly, the Owner hereby files this Affidavit and states as follows:

(a) This property has been listed on the State's Hazardous Site Inventory and has been designated as needing corrective action due to the presence of hazardous waste, 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.

(b) The owner of the property can be located at Hendrix Machinery, Inc. 1725 Old Dean Forest Road, Savannah, Georgia, 31403 .

Respectfully submitted this 12th day of August, 1996.

BY: L. Dale Hendrix
L. DALE HENDRIX, SR., as Trustee Under the Agreement with Van Pierce dated January 15, 1980 for the Benefit of Brenda P. Heisey.

Sworn to and subscribed before me
this 12 day of August, 1996.

Witness

Denise B. Costin
NOTARY PUBLIC

DENISE B. COSTIN
Notary Public, Chatham County, Ga.
My Commission Expires April 4, 2000

APPENDIX B

LABORATORY DATA (cd copy)

Savannah Laboratories
a division of Severn Trent Laboratories, Inc.
5102 LaRoche Avenue · Savannah, GA 31404 · (912) 354-7858 · Fax (912) 352-0165 · www.stlsavlab.com

LOG NO: S0-02031B
Received: 14 APR 00
Reported: 18 APR 00

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 161800418

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
02031B-1	VSL-6-6	03-29-00/10:40
02031B-2	SL-50-3	03-28-00/17:45

PARAMETER	02031B-1	02031B-2
Lead (6010)		
Lead, mg/kg dw	35	110
Dilution Factor	1	1
Prep Date	04.17.00	04.17.00
Analysis Date	04.18.00	04.18.00
Batch ID	0417A	0417A
Percent Solids	77	80

Savannah Laboratories
a division of Severn Trent Laboratories, Inc.
5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.stlsavlab.com

LOG NO: S0-02031B
Received: 14 APR 00
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Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 161800418

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
02031B-3	Method Blank
02031B-4	Lab Control Standard % Recovery
02031B-5	LCS Accuracy Control Limit (%R)

PARAMETER	02031B-3	02031B-4	02031B-5
Lead (6010)			
Lead, mg/kg dw	<0.50	101 %	75-125 %
Dilution Factor	1	1	---
Prep Date	04.17.00	04.17.00	---
Analysis Date	04.18.00	04.18.00	---
Batch ID	0417A	0417A	---

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a division of Severn Trent Laboratories, Inc.
5102 LaRoche Avenue · Savannah, GA 31404 · (912) 354-7858 · Fax (912) 352-0165 · www.stlsavlab.com

LOG NO: S0-02031B
Received: 14 APR 00
Reported: 18 APR 00

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 161800418

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
02031B-6	MS/MSD % Recovery	
02031B-7	MS Accuracy Advisory Limit (%R)	
02031B-8	Precision (%RPD) MS/MSD	
02031B-9	MS Precision Advisory Limit (%RPD)	

PARAMETER	02031B-6	02031B-7	02031B-8	02031B-9
Lead (6010)				
Lead, %	98/112 %	75-125 %	13 %	<20 %
Dilution Factor	1	---	---	---
Prep Date	04.17.00	---	---	---
Analysis Date	04.18.00	---	---	---
Batch ID	0417A	---	---	---

Methods: EPA SW-846, Update III.

Angie Stewart, Project Manager

Final Page Of Report

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
a division of Severn Trent Laboratories, Inc.

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
953-382 F		GA.
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
CLIENT NAME	CLIENT EMAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 2 OF 3

STANDARD REPORT DELIVERY ⊕
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	REQUIRED ANALYSES: (6010) RCRA	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3/29	10:20	VSL-6-4	C		X			1	1	Proceed w analysis
3/29	10:30	VSL-6-5	C		X			1	1	until standard and
3/29	10:40	VSL-6-6	C		X			1	1	for lead as
3/29	11:00	SL-38-2			X			1	1	explained in letter
3/29	11:10	SL-38-3			X			1	1	formal submitted
3/29	11:20	SL-38-4			X			1	1	to Betsy Beaubrun
3/28	17:25	SL-50-1						1	1	Please call C. Paul
3/28	17:35	SL-50-2						1	1	or C. Hemingway
3/28	17:45	SL-50-3						1	1	w/ questions
3/28	16:20	SL-49-1						1	1	
3/28	17:13	SL-49-2						1	1	
3/29		SL-Dupe 2						1	1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				3/29	14:45			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
	3/29/00	2:45	YES ✓ NO		50-02031	

STL SAVANNAH LABORATORY COPY

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.savlabs.com

LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-1	GW-9	10-07-99/14:00
16751-2	GW-8	10-07-99/14:25
16751-3	GW-11	10-07-99/14:50
16751-4	GW-7	10-07-99/16:50
16751-5	GW-10	10-07-99/15:15

PARAMETER	16751-1	16751-2	16751-3	16751-4	16751-5
Volatiles by GC/MS (8260)					
Chloromethane, ug/l	<10	<10	<10	<10	<10
Bromomethane (Methyl bromide), ug/l	<10	<10	<10	<10	<10
Vinyl chloride, ug/l	<10	<10	<10	<10	<10
Chloroethane, ug/l	<10	<10	<10	<10	<10
Methylene chloride (Dichloromethane), ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone, ug/l	<50	<50	<50	<50	<50
Carbon disulfide, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene, ug/l	39	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane, ug/l	28	<5.0	<5.0	<5.0	<5.0
Cis/Trans-1,2-Dichloroethene, ug/l	9.1	<5.0	<5.0	<5.0	<5.0
Chloroform, ug/l	<5.0	13	<5.0	<5.0	7.8
1,2-Dichloroethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK), ug/l	<25	<25	<25	<25	<25
1,1,1-Trichloroethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon Tetrachloride, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.savlabs.com

LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-6	DUPE W-1	10-07-99
16751-7	Trip Blank	10-07-99

PARAMETER	16751-6	16751-7
Volatiles by GC/MS (8260)		
Chloromethane, ug/l	<10	<10
Bromomethane (Methyl bromide), ug/l	<10	<10
Vinyl chloride, ug/l	<10	<10
Chloroethane, ug/l	<10	<10
Methylene chloride (Dichloromethane), ug/l	<5.0	<5.0
Acetone, ug/l	<50	<50
Carbon disulfide, ug/l	<5.0	<5.0
1,1-Dichloroethene, ug/l	<5.0	<5.0
1,1-Dichloroethane, ug/l	<5.0	<5.0
Cis/Trans-1,2-Dichloroethene, ug/l	<5.0	<5.0
Chloroform, ug/l	<5.0	<5.0
1,2-Dichloroethane, ug/l	<5.0	<5.0
2-Butanone (MEK), ug/l	<25	<25
1,1,1-Trichloroethane, ug/l	<5.0	<5.0
Carbon Tetrachloride, ug/l	<5.0	<5.0
Bromodichloromethane, ug/l	<5.0	<5.0
1,1,2,2-Tetrachloroethane, ug/l	<5.0	<5.0
1,2-Dichloropropane, ug/l	<5.0	<5.0
trans-1,3-Dichloropropene, ug/l	<5.0	<5.0
Trichloroethene, ug/l	<5.0	<5.0
Dibromochloromethane, ug/l	<5.0	<5.0

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& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-6	DUPE W-1	10-07-99
16751-7	Trip Blank	10-07-99

PARAMETER	16751-6	16751-7
1,1,2-Trichloroethane, ug/l	<5.0	<5.0
Benzene, ug/l	<5.0	<5.0
cis-1,3-Dichloropropene, ug/l	<5.0	<5.0
Bromoform, ug/l	<5.0	<5.0
2-Hexanone, ug/l	<25	<25
4-Methyl-2-pentanone (MIBK), ug/l	<25	<25
Tetrachloroethene, ug/l	<5.0	<5.0
Toluene, ug/l	<5.0	<5.0
Chlorobenzene, ug/l	<5.0	<5.0
Ethylbenzene, ug/l	<5.0	<5.0
Styrene, ug/l	<5.0	<5.0
Xylenes (total), ug/l	<10	<10
Surrogate - Toluene-d8	86 %	86 %
Surrogate - 4-Bromofluorobenzene	80 %	80 %
Surrogate - Dibromofluoromethane	88 %	84 %
Dilution Factor	1.0	1.0
Analysis Date	10.14.99	10.14.99
Batch ID	201013	201013

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LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-8	Method Blank	
16751-9	Lab Control Standard % Recovery	
16751-10	LCS Accuracy Control Limit (%R)	

PARAMETER	16751-8	16751-9	16751-10
Volatiles by GC/MS (8260)			
Chloromethane, ug/l	<10	---	---
Bromomethane (Methyl bromide), ug/l	<10	---	---
Vinyl chloride, ug/l	<10	---	---
Chloroethane, ug/l	<10	---	---
Methylene chloride (Dichloromethane), ug/l	<5.0	---	---
Acetone, ug/l	<50	---	---
Carbon disulfide, ug/l	<5.0	---	---
1,1-Dichloroethene, ug/l	<5.0	98 %	46-147 %
1,1-Dichloroethane, ug/l	<5.0	---	---
Cis/Trans-1,2-Dichloroethene, ug/l	<5.0	---	---
Chloroform, ug/l	<5.0	---	---
1,2-Dichloroethane, ug/l	<5.0	---	---
2-Butanone (MEK), ug/l	<25	---	---
1,1,1-Trichloroethane, ug/l	<5.0	---	---
Carbon Tetrachloride, ug/l	<5.0	---	---
Bromodichloromethane, ug/l	<5.0	---	---
1,1,2,2-Tetrachloroethane, ug/l	<5.0	---	---
1,2-Dichloropropane, ug/l	<5.0	---	---
trans-1,3-Dichloropropene, ug/l	<5.0	---	---
Trichloroethene, ug/l	<5.0	88 %	56-143 %

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& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-8	Method Blank	
16751-9	Lab Control Standard % Recovery	
16751-10	LCS Accuracy Control Limit (%R)	

PARAMETER	16751-8	16751-9	16751-10
Dibromochloromethane, ug/l	<5.0	---	---
1,1,2-Trichloroethane, ug/l	<5.0	---	---
Benzene, ug/l	<5.0	94 %	62-135 %
cis-1,3-Dichloropropene, ug/l	<5.0	---	---
Bromoform, ug/l	<5.0	---	---
2-Hexanone, ug/l	<25	---	---
4-Methyl-2-pentanone (MIBK), ug/l	<25	---	---
Tetrachloroethene, ug/l	<5.0	---	---
Toluene, ug/l	<5.0	92 %	68-131 %
Chlorobenzene, ug/l	<5.0	96 %	72-127 %
Ethylbenzene, ug/l	<5.0	---	---
Styrene, ug/l	<5.0	---	---
Xylenes (total), ug/l	<10	---	---
Surrogate - Toluene-d8	86 %	84 %	77-122 %
Surrogate - 4-Bromofluorobenzene	82 %	86 %	74-126 %
Surrogate - Dibromofluoromethane	86 %	86 %	70-130 %
Dilution Factor	1.0	1.0	---
Analysis Date	10.12.99	10.12.99	---
Batch ID	201012	201012	---

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LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-11	MS/MSD % Recovery (GW-10)	
16751-12	MS Accuracy Advisory Limit (%R)	
16751-13	Precision (%RPD) MS/MSD	
16751-15	MS Precision Advisory Limit (%RPD)	

PARAMETER	16751-11	16751-12	16751-13	16751-15
Volatiles by GC/MS (8260)				
1,1-Dichloroethene, %	106/106 %	46-147 %	0 %	0-30 %
Trichloroethene, %	96/94 %	56-143 %	2 %	0-35 %
Benzene, %	102/100 %	62-135 %	2 %	0-37 %
Toluene, %	100/100 %	68-131 %	0 %	0-33 %
Chlorobenzene, %	104/104 %	72-127 %	0 %	0-22 %
Dilution Factor	1.0	---	---	---
Analysis Date	10.13.99	---	---	---
Batch ID	201013	---	---	---

Methods: EPA SW-846, Update III.

Elizabeth F. Beauchamp, Project Manager

Final Page Of Report

Serial Number 47

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah/Brampton Rd	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Chris Hemingway Jon Swant	770-496-1893	770 934 9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee-Tucker Rd Atlanta, GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOA 8260

PAGE 1 OF

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: ____

PRESERVATIVE: HCl

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10-7-99	1400		GW-9	X				3	take MS/MSD
	1425		GW-8	X				3	from GW-10
	1450		GW-11	X				3	
	1650		GW-7	X				3	call w/questions
	15:15		GW-10	X				6	
	—		Dupe W-1	X				3	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				10/8/99	9:47			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
FEDEX								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
Connie J Mosley	10/08/99	947	☐ YES ☐ NO		591675	

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LOG NO: S0-02031A
Received: 11 APR 00
Reported: 14 APR 00

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 165800414

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
02031A-1	VSL-6-5	03-29-00/10:30
02031A-2	SL-50-2	03-28-00/17:35
02031A-3	SL-49-2	03-28-00/17:13
02031A-4	SL-DUPE2	03-29-00
02031A-5	SL-44-5	03-28-00/16:55

PARAMETER	02031A-1	02031A-2	02031A-3	02031A-4	02031A-5
Lead (6010)					
Lead, mg/kg dw	540	120	160	31	33
Dilution Factor	1	1	1	1	1
Prep Date	04.12.00	04.12.00	04.12.00	04.12.00	04.12.00
Analysis Date	04.13.00	04.13.00	04.13.00	04.13.00	04.13.00
Batch ID	0412A	0412A	0412A	0412A	0412A
Percent Solids	78	87	83	84	86

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LOG NO: S0-02031A
Received: 11 APR 00
Reported: 14 APR 00

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 165800414

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
02031A-6	Method Blank
02031A-7	Lab Control Standard % Recovery
02031A-8	LCS Accuracy Control Limit (%R)

PARAMETER	02031A-6	02031A-7	02031A-8
Lead (6010)			
Lead, mg/kg dw	<0.50	99 %	75-125 %
Dilution Factor	1	1	---
Prep Date	04.12.00	04.12.00	---
Analysis Date	04.13.00	04.13.00	---
Batch ID	0412A	0412A	---

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LOG NO: S0-02031A
Received: 11 APR 00
Reported: 14 APR 00

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 165800414

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
02031A-9	MS/MSD % Recovery	
02031A-10	MS Accuracy Advisory Limit (%R)	
02031A-11	Precision (%RPD) MS/MSD	
02031A-12	MS Precision Advisory Limit (%RPD)	

PARAMETER	02031A-9	02031A-10	02031A-11	02031A-12
Lead (6010)				
Lead, %	125 %/*F79	75-125 %	*F79	<20 %
Dilution Factor	1	---	---	---
Prep Date	04.12.00	---	---	---
Analysis Date	04.13.00	---	---	---
Batch ID	0412A	---	---	---

Methods: EPA SW-846, Update III.

*F79 = Matrix spike recoveries were outside advisory limits due to non-homogeneity of the sample.

Angie Stewart, Project Manager

Final Page Of Report

Ser[illegible]umb[illegible] U[illegible]

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
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○ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
○ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (850) 878-3994 — Fax: (850) 878-9504
○ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
○ 6712 Benjamin Rd., Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
4:3-38-2 T		Ga.
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
CLIENT NAME	CLIENT EMAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 2 OF 2

STANDARD REPORT DELIVERY ⊗
DATE DUE_____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE_____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	REQUIRED ANALYSES: Lead (Pb)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3/29	10:10	VSL-6-4	C		X			X	1	Proceed with analysis
"	10:30	VSL-6-5	C		X			X	1	until standard and
"	11:40	VSL-6-6	C		X			X	1	Low level as
"	11:00	SL-38-2			X			X	1	explained in letter
"	11:10	SL-38-3			X			X	1	format submitted
"	11:20	SL-38-4			X			X	1	to Betsy Rowbotham
"	17:25	SL-50-1			X			X	1	Please call C. Tod
"	17:35	SL-50-2			X			X	1	or C. Hemingway
"	17:45	SL-50-3			X			X	1	w/ questions
"	16:10	SL-49-1			X			X	1	
"	17:13	SL-49-2			X			X	1	
3/29		SL-Dupe 2			X			X	1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				3/29	17:45			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
	3/29/00	2:45	YES ✓ NO		50-02031	

STL SAVANNAH LABORATORY COPY

Serial Number 01-[illegible]

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Savannah Laboratories
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900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
6712 Benjamin Rd., Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE	OF
953-3875		GA	3	3

STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX

CLIENT NAME	CLIENT EMAIL

CLIENT ADDRESS

COMPANY CONTRACTING THIS WORK (if applicable):

STANDARD REPORT DELIVERY ⊗
DATE DUE_____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE_____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSES: (6010) Pb

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	NUMBER OF CONTAINERS SUBMITTED (6010) Pb	REMARKS
3/28	–	SL - Dupe 1	C		X			1	See note on
3/28	16:10	SL - 44-4	C		X			1	page 2 for
3/28	16:55	SL 44-5	C		X			1	these samples
3/28	17:00	SL 44-6	C		X			1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	3/29	14:45			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL-SL LOG NO.	LABORATORY REMARKS:
[signature]	3/29/00	2:45	YES ✓ NO		SD-02031	

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LOG NO: S0-02031
Received: 29 MAR 00
Reported: 11 APR 00

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 094500411

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
02031-1	GW-12	03-29-00/09:40
02031-2	DUPE W	03-29-00

PARAMETER	02031-1	02031-2
Volatiles by GC/MS (8260)		
Chloromethane, ug/l	<20	<20
Bromomethane (Methyl bromide), ug/l	<20	<20
Vinyl chloride, ug/l	<20	<20
Chloroethane, ug/l	<20	<20
Methylene chloride (Dichloromethane), ug/l	<100	<100
Acetone, ug/l	<500	<500
Carbon disulfide, ug/l	<20	<20
1,1-Dichloroethene, ug/l	2800	2700
1,1-Dichloroethane, ug/l	96	92
cis-1,2-Dichloroethene, ug/l	<20	<20
trans-1,2-Dichloroethene, ug/l	<20	<20
Chloroform, ug/l	<20	<20
1,2-Dichloroethane, ug/l	<20	<20
2-Butanone (MEK), ug/l	<200	<200
1,1,1-Trichloroethane, ug/l	<20	<20
Carbon tetrachloride, ug/l	<20	<20
Bromodichloromethane, ug/l	<20	<20
1,1,2,2-Tetrachloroethane, ug/l	<20	<20
1,2-Dichloropropane, ug/l	<20	<20
trans-1,3-Dichloropropene, ug/l	<20	<20
Trichloroethene, ug/l	<20	<20

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LOG NO: S0-02031
Received: 29 MAR 00
Reported: 11 APR 00

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 094500411

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
02031-1	GW-12	03-29-00/09:40
02031-2	DUPE W	03-29-00

PARAMETER	02031-1	02031-2
Dibromochloromethane, ug/l	<20	<20
1,1,2-Trichloroethane, ug/l	<20	<20
Benzene, ug/l	<20	<20
cis-1,3-Dichloropropene, ug/l	<20	<20
Bromoform, ug/l	<20	<20
2-Hexanone, ug/l	<200	<200
4-Methyl-2-pentanone (MIBK), ug/l	<200	<200
Tetrachloroethene, ug/l	<20	<20
Toluene, ug/l	<20	<20
Chlorobenzene, ug/l	<20	<20
Ethylbenzene, ug/l	<20	<20
Styrene, ug/l	<20	<20
Xylenes, Total, ug/l	<40	<40
Surrogate - Toluene-d8	90 %	98 %
Surrogate - 4-Bromofluorobenzene	92 %	102 %
Surrogate - Dibromofluoromethane	88 %	98 %
Dilution Factor	20	20
Analysis Date	03.30.00	03.30.00
Batch ID	100330	100330

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LOG NO: S0-02031
Received: 29 MAR 00
Reported: 11 APR 00

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 094500411

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
02031-3	VSL-6-4	03-29-00/10:20
02031-4	SL-38-2	03-29-00/11:00
02031-5	SL-50-1	03-28-00/17:25
02031-6	SL-49-1	03-28-00/16:20
02031-7	SL-DUPE1	03-28-00

PARAMETER	02031-3	02031-4	02031-5	02031-6	02031-7
Lead (6010)					
Lead, mg/kg dw	560	20	280	490	460
Dilution Factor	1	1	1	1	1
Prep Date	03.31.00	03.31.00	03.31.00	03.31.00	03.31.00
Analysis Date	04.03.00	04.06.00	04.03.00	04.03.00	04.03.00
Batch ID	0331A	0331A	0331A	0331A	0331A
Percent Solids	86	93	84	76	77

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Reported: 11 APR 00

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Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 094500411

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
02031-8	SL-44-4	03-28-00/16:40

PARAMETER	02031-8
Lead (6010)	
Lead, mg/kg dw	300
Dilution Factor	1
Prep Date	03.31.00
Analysis Date	04.03.00
Batch ID	0331A
Percent Solids	83

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 094500411

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
02031-9	Method Blank	
02031-10	Lab Control Standard % Recovery	
02031-11	LCS Accuracy Control Limit (%R)	

PARAMETER	02031-9	02031-10	02031-11
Lead (6010)			
Lead, mg/kg dw	<0.50	101 %	75-125 %
Dilution Factor	1	1	---
Prep Date	03.31.00	03.31.00	---
Analysis Date	04.03.00	04.03.00	---
Batch ID	0331A	0331A	---

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 094500411

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
02031-12	MS/MSD % Recovery	
02031-13	MS Accuracy Advisory Limit (%R)	
02031-14	Precision (%RPD) MS/MSD	
02031-23	MS Precision Advisory Limit (%RPD)	

PARAMETER	02031-12	02031-13	02031-14	02031-23
Lead (6010)				
Lead, %	*F61/*F61	75-125 %	*F61	<20
Dilution Factor	1	---	---	---
Prep Date	03.31.00	---	---	---
Analysis Date	04.03.00	---	---	---
Batch ID	0331A	---	---	---

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Received: 29 MAR 00
Reported: 11 APR 00

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Golder Associates, Inc.
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Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 094500411

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
02031-16	Method Blank	
02031-17	Lab Control Standard % Recovery	
02031-18	LCS Accuracy Control Limit (%R)	

PARAMETER	02031-16	02031-17	02031-18
Volatiles by GC/MS (8260)			
Chloromethane, ug/l	<1.0	---	---
Bromomethane (Methyl bromide), ug/l	<1.0	---	---
Vinyl chloride, ug/l	<1.0	---	---
Chloroethane, ug/l	<1.0	---	---
Methylene chloride (Dichloromethane), ug/l	<5.0	---	---
Acetone, ug/l	<25	---	---
Carbon disulfide, ug/l	<1.0	---	---
1,1-Dichloroethene, ug/l	<1.0	82 %	46-147 %
1,1-Dichloroethane, ug/l	<1.0	---	---
cis-1,2-Dichloroethene, ug/l	<1.0	---	---
trans-1,2-Dichloroethene, ug/l	<1.0	---	---
Chloroform, ug/l	<1.0	---	---
1,2-Dichloroethane, ug/l	<1.0	---	---
2-Butanone (MEK), ug/l	<10	---	---
1,1,1-Trichloroethane, ug/l	<1.0	---	---
Carbon tetrachloride, ug/l	<1.0	---	---
Bromodichloromethane, ug/l	<1.0	---	---
1,1,2,2-Tetrachloroethane, ug/l	<1.0	---	---
1,2-Dichloropropane, ug/l	<1.0	---	---
trans-1,3-Dichloropropene, ug/l	<1.0	---	---

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LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-1	GW-9	10-07-99/14:00
16751-2	GW-8	10-07-99/14:25
16751-3	GW-11	10-07-99/14:50
16751-4	GW-7	10-07-99/16:50
16751-5	GW-10	10-07-99/15:15

PARAMETER	16751-1	16751-2	16751-3	16751-4	16751-5
1,2-Dichloropropane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene, ug/l	12	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene, ug/l	8.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
2-Hexanone, ug/l	<25	<25	<25	<25	<25
4-Methyl-2-pentanone (MIBK), ug/l	<25	<25	<25	<25	<25
Tetrachloroethene, ug/l	24	<5.0	<5.0	<5.0	<5.0
Toluene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene, ug/l	<5.0	<5.0	<5.0	5.2	<5.0
Styrene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Xylenes (total), ug/l	<10	<10	<10	68	<10
Surrogate - Toluene-d8	86 %	86 %	86 %	86 %	86 %
Surrogate - 4-Bromofluorobenzene	80 %	78 %	80 %	84 %	82 %
Surrogate - Dibromofluoromethane	82 %	86 %	86 %	88 %	88 %
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Analysis Date	10.13.99	10.13.99	10.14.99	10.14.99	10.14.99
Batch ID	201012	201012	201013	201013	201013

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LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99

Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-6	DUPE W-1	10-07-99
16751-7	Trip Blank	10-07-99

PARAMETER	16751-6	16751-7
Volatiles by GC/MS (8260)		
Chloromethane, ug/l	<10	<10
Bromomethane (Methyl bromide), ug/l	<10	<10
Vinyl chloride, ug/l	<10	<10
Chloroethane, ug/l	<10	<10
Methylene chloride (Dichloromethane), ug/l	<5.0	<5.0
Acetone, ug/l	<50	<50
Carbon disulfide, ug/l	<5.0	<5.0
1,1-Dichloroethene, ug/l	<5.0	<5.0
1,1-Dichloroethane, ug/l	<5.0	<5.0
Cis/Trans-1,2-Dichloroethene, ug/l	<5.0	<5.0
Chloroform, ug/l	<5.0	<5.0
1,2-Dichloroethane, ug/l	<5.0	<5.0
2-Butanone (MEK), ug/l	<25	<25
1,1,1-Trichloroethane, ug/l	<5.0	<5.0
Carbon Tetrachloride, ug/l	<5.0	<5.0
Bromodichloromethane, ug/l	<5.0	<5.0
1,1,2,2-Tetrachloroethane, ug/l	<5.0	<5.0
1,2-Dichloropropane, ug/l	<5.0	<5.0
trans-1,3-Dichloropropene, ug/l	<5.0	<5.0
Trichloroethene, ug/l	<5.0	<5.0
Dibromochloromethane, ug/l	<5.0	<5.0

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Received: 08 OCT 99
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Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-6	DUPE W-1	10-07-99
16751-7	Trip Blank	10-07-99

PARAMETER	16751-6	16751-7
1,1,2-Trichloroethane, ug/l	<5.0	<5.0
Benzene, ug/l	<5.0	<5.0
cis-1,3-Dichloropropene, ug/l	<5.0	<5.0
Bromoform, ug/l	<5.0	<5.0
2-Hexanone, ug/l	<25	<25
4-Methyl-2-pentanone (MIBK), ug/l	<25	<25
Tetrachloroethene, ug/l	<5.0	<5.0
Toluene, ug/l	<5.0	<5.0
Chlorobenzene, ug/l	<5.0	<5.0
Ethylbenzene, ug/l	<5.0	<5.0
Styrene, ug/l	<5.0	<5.0
Xylenes (total), ug/l	<10	<10
Surrogate - Toluene-d8	86 %	86 %
Surrogate - 4-Bromofluorobenzene	80 %	80 %
Surrogate - Dibromofluoromethane	88 %	84 %
Dilution Factor	1.0	1.0
Analysis Date	10.14.99	10.14.99
Batch ID	201013	201013

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LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99

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Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-8	Method Blank	
16751-9	Lab Control Standard % Recovery	
16751-10	LCS Accuracy Control Limit (%R)	

PARAMETER	16751-8	16751-9	16751-10
Volatiles by GC/MS (8260)			
Chloromethane, ug/l	<10	---	---
Bromomethane (Methyl bromide), ug/l	<10	---	---
Vinyl chloride, ug/l	<10	---	---
Chloroethane, ug/l	<10	---	---
Methylene chloride (Dichloromethane), ug/l	<5.0	---	---
Acetone, ug/l	<50	---	---
Carbon disulfide, ug/l	<5.0	---	---
1,1-Dichloroethene, ug/l	<5.0	98 %	46-147 %
1,1-Dichloroethane, ug/l	<5.0	---	---
Cis/Trans-1,2-Dichloroethene, ug/l	<5.0	---	---
Chloroform, ug/l	<5.0	---	---
1,2-Dichloroethane, ug/l	<5.0	---	---
2-Butanone (MEK), ug/l	<25	---	---
1,1,1-Trichloroethane, ug/l	<5.0	---	---
Carbon Tetrachloride, ug/l	<5.0	---	---
Bromodichloromethane, ug/l	<5.0	---	---
1,1,2,2-Tetrachloroethane, ug/l	<5.0	---	---
1,2-Dichloropropane, ug/l	<5.0	---	---
trans-1,3-Dichloropropene, ug/l	<5.0	---	---
Trichloroethene, ug/l	<5.0	88 %	56-143 %

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-8	Method Blank	
16751-9	Lab Control Standard % Recovery	
16751-10	LCS Accuracy Control Limit (%R)	

PARAMETER	16751-8	16751-9	16751-10
Dibromochloromethane, ug/l	<5.0	---	---
1,1,2-Trichloroethane, ug/l	<5.0	---	---
Benzene, ug/l	<5.0	94 %	62-135 %
cis-1,3-Dichloropropene, ug/l	<5.0	---	---
Bromoform, ug/l	<5.0	---	---
2-Hexanone, ug/l	<25	---	---
4-Methyl-2-pentanone (MIBK), ug/l	<25	---	---
Tetrachloroethene, ug/l	<5.0	---	---
Toluene, ug/l	<5.0	92 %	68-131 %
Chlorobenzene, ug/l	<5.0	96 %	72-127 %
Ethylbenzene, ug/l	<5.0	---	---
Styrene, ug/l	<5.0	---	---
Xylenes (total), ug/l	<10	---	---
Surrogate - Toluene-d8	86 %	84 %	77-122 %
Surrogate - 4-Bromofluorobenzene	82 %	86 %	74-126 %
Surrogate - Dibromofluoromethane	86 %	86 %	70-130 %
Dilution Factor	1.0	1.0	---
Analysis Date	10.12.99	10.12.99	---
Batch ID	201012	201012	---

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Received: 08 OCT 99
Reported: 20 OCT 99

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3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED
16751-11	MS/MSD % Recovery (GW-10)	
16751-12	MS Accuracy Advisory Limit (%R)	
16751-13	Precision (%RPD) MS/MSD	
16751-15	MS Precision Advisory Limit (%RPD)	

PARAMETER	16751-11	16751-12	16751-13	16751-15
Volatiles by GC/MS (8260)				
1,1-Dichloroethene, %	106/106 %	46-147 %	0 %	0-30 %
Trichloroethene, %	96/94 %	56-143 %	2 %	0-35 %
Benzene, %	102/100 %	62-135 %	2 %	0-37 %
Toluene, %	100/100 %	68-131 %	0 %	0-33 %
Chlorobenzene, %	104/104 %	72-127 %	0 %	0-22 %
Dilution Factor	1.0	---	---	---
Analysis Date	10.13.99	---	---	---
Batch ID	201013	---	---	---

Methods: EPA SW-846, Update III.

Elizabeth F. Beauchamp, Project Manager

Final Page Of Report

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☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah/Brampton Rd	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Chris Hemingway Jon Swart	770-496-1893	770 934 9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee-Tucker Rd Atlanta, GA 30341

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOA 8260

PAGE 1 OF

PRESERVATIVE: HCl

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: [illegible]

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10-7-99	1400		GW-9	X				3	take MS/MSD
	1425		GW-8	X				3	from GW-10
	1450		GW-11	X				3	
	1650		GW-7	X				3	call w/questions
	15:15		GW-10	X				6	
	—		Dupe W-1	X				3	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				10/08/99	9:47			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
Carol J Morley	10/08/99	947	☐ YES ☐ NO		591675	

ORIGINAL

SL SAVANNAH LABORATORIES
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LOG NO: S9-16564B
Received: 22 OCT 99
Reported: 04 NOV 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 14109115

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16564B-1	SL-44-3	10-01-99/13:00
16564B-2	VSL-7-3	10-01-99/14:50
16564B-3	VSL-6-3	10-01-99/15:00

PARAMETER	16564B-1	16564B-2	16564B-3
Lead (6010)			
Lead, mg/kg dw	180	11	86
Dilution Factor	1.0	1.0	1.0
Prep Date	10.05.99	10.05.99	10.05.99
Analysis Date	10.07.99	10.07.99	10.07.99
Batch ID	1005A	1005A	1005A
Percent Solids	85	85	88

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16564B
Received: 22 OCT 99
Reported: 04 NOV 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 14109115

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
16564B-4	Method Blank Soil
16564B-5	Lab Control Standard (LCS) % Recovery
16564B-6	LCS Control Limits
16564B-7	MS/MSD % Recovery
16564B-8	MS Accuracy Advisory Limit (%R)

PARAMETER	16564B-4	16564B-5	16564B-6	16564B-7	16564B-8
Lead (6010)					
Lead, mg/kg dw	<0.50	99 %	75-125 %	89/90 %	75-125 %
Dilution Factor	1.0	1.0	---	1.0	---
Prep Date	10.05.99	10.05.99	---	10.05.99	---
Analysis Date	10.07.99	10.07.99	---	10.07.99	---
Batch ID	1005A	1005A	---	1005A	---

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LOG NO: S9-16564B
Received: 22 OCT 99
Reported: 04 NOV 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 14109115

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
16564B-9	Precision (%RPD) MS/MSD
16564B-10	MS Precision Advisory Limit (%RPD)

PARAMETER	16564B-9	16564B-10
Lead (6010)		
Lead, %	1.1 %	<20 %

Methods: EPA SW-846

Elizabeth F. Beauchamp, Project Manager

Final Page Of Report

Ser nber 138207

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- [x] 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- [ ] 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
- [ ] 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
- [ ] 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- [ ] 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
- [ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Savannah/Brampton Rd
PROJECT NO: 953-3825
P.O. NUMBER:
PROJECT LOC. (State): GA
SAMPLER(s) NAME: CHRIS HEMINGWAY
PHONE: 770 496 1893
FAX: 770 939 9476
CLIENT NAME: GOLDER ASSOCIATES
CLIENT PROJECT MANAGER: C. Paul
CLIENT ADDRESS (CITY, STATE, ZIP): 5730 CHAMBLEE TUCKER RD. ATLANTA GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: Lead (6010)

PRESERVATIVE

PAGE 1 OF 2

- [x] STANDARD REPORT DELIVERY
- [ ] EXPEDITED REPORT DELIVERY (surcharge)

Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10-1	13:55		SL-45-3		X			1	
	13:40		SL-45-2		X			1	Analyze in
	13:30		SL-45-1		X			1	Step-wise fashion
	12:40		SL-44-1		X			1	as explained in
	12:50		SL-44-2		X			1	letter
	11:30		SL-48		X			1	Call if further
			Dupe-1		X			1	explanation is
	11:40		SL-47		X			1	needed
	13:00		SL-44-3		X			1	
	11:50		SL-46		X			1	use SL-48 for
	14:10		VSL-7-1		X			1	MS/MSD
	14:20		VSL-7-2		X			1	
	14:30		VSL-7-3		X			1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	9/30/99		[signature]	10-1-99	16:00			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SL LOG NO	LABORATORY REMARKS
[signature]	10/1/99	4:00	[x] YES [ ] NO		59-16564	

SAVANNAH LABORATORY COPY

RR

Ser nber 39[illegible]

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
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100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Savannah / Brampton Rd
PROJECT NO.: 953-3825
P.O. NUMBER:
PROJECT LOC. (State): GA
SAMPLER(s) NAME: CHRIS HEMINGWAY
PHONE: 770-496-1893
FAX: ~~770~~
CLIENT NAME: Golder Associates
CLIENT PROJECT MANAGER: C. Paul
CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc.)

REQUIRED ANALYSES: Lead (6010)

PRESERVATIVE

PAGE 1 OF 2

☑ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10-1	1440		VSL-6-1		X			1	Analyze in
↓	1450		VSL-6-2		X			1	Step-wise fashion
	1500		VSL-6-3		X			1	as explained in
									letter
									Call if further
									explanation is
									needed

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS	10/1/99		[signature]	10-1-99	16:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
[signature]	10/1/99	4:00 PM	☑ YES ☐ NO		SL-16564	

SAVANNAH LABORATORY COPY

(AB)

Savannah Laboratories
a division of Severn Trent Laboratories, Inc
5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.stlsavlab.com

LOG NO: S9-16679B
Received: 29 OCT 99
Reported: 15 NOV 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 162291115

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16679B-1	SL-39-3	10-06-99/09:05
16679B-2	VSL-4-3	10-06-99/10:55

PARAMETER	16679B-1	16679B-2
Lead (6010)		
Lead, mg/kg dw	17	27
Dilution Factor	1.0	1.0
Prep Date	11.03.99	11.03.99
Analysis Date	11.04.99	11.04.99
Batch ID	1103A	1103A
Percent Solids	78	72

Savannah Laboratories
a division of Severn Trent Laboratories, Inc
5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.stlsavlab.com

LOG NO: S9-16679B
Received: 29 OCT 99
Reported: 15 NOV 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 162291115

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16679B-3	Method Blank Soil	
16679B-4	Lab Control Standard (LCS) % Recovery	
16679B-5	LCS Control Limits	
16679B-6	MS/MSD % Recovery	
16679B-7	MS Accuracy Advisory Limit (%R)	

PARAMETER	16679B-3	16679B-4	16679B-5	16679B-6	16679B-7
Lead (6010)					
Lead, mg/kg dw	<0.50	98 %	75-125 %	98/97 %	75-125 %
Dilution Factor	1.0	1.0	---	1.0	---
Prep Date	11.03.99	11.03.99	---	11.03.99	---
Analysis Date	11.04.99	11.04.99	---	11.04.99	---
Batch ID	1103A	1103A	---	1103A	---

Savannah Laboratories
a division of Severn Trent Laboratories, Inc.
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LOG NO: S9-16679B
Received: 29 OCT 99
Reported: 15 NOV 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 162291115

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16679B-8	Precision (%RPD) MS/MSD	
16679B-9	MS Precision Advisory Limit (%RPD)	

PARAMETER	16679B-8	16679B-9
Lead (6010)		
Lead, %	1.0 %	<20 %

Methods: EPA SW-846

Elizabeth F. Beauchamp, Project Manager

Final Page Of Report

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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- [ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton Rd.	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Jon Swart	770-496-1893	770-934-9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Road Atlanta, GA 30341

PAGE 3 OF 4

STANDARD REPORT DELIVERY [X]

EXPEDITED REPORT DELIVERY (surcharge) [ ]

Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	MATRIX TYPE: AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	REQUIRED ANALYSES: Lead (6010)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10/05	17:05		SL-38-4		X			X	1	
10/06	8:05		VSL-3-1		X			X	1	Analyze in step-wise fashion as explained in letter. Call if further explanation is needed.
10/06	8:15		VSL-3-2		X			X	1	
10/06	8:20		VSL-3-3		X			X	1	
10/06	8:45		VSL-4-1		X			X	1	
10/06	8:55		VSL-4-2		X			X	1	
10/06			Soil Dup-4		X			X	1	
10/06	9:05		VSL-4-3		X			X	1	
10/06	9:30		VSL-5-1		X			X	1	
10/06	9:45		VSL-5-2		X			X	1	
10/06	9:55		VSL-5-3		X			X	1	
10/06	10:55		SL-39-3		X			X	1	
10/06	11:05		SL-39-4		X			X	1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			Jonathan Swart	10/06/99	14:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
	10/6/99	1420	[X] YES [ ] NO		59-1667	

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SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.savlabs.com

LOG NO: S9-16679A
Received: 18 OCT 99
Reported: 28 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 113191029

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16679A-1	SL-39-2	10-05-99/11:25
16679A-2	SL-40-2	10-05-99/11:50
16679A-10	SL-41-2	10-05-99/12:00
16679A-11	SL-43-2	10-05-99/12:25
16679A-16	SL-37-2	10-05-99/16:00

PARAMETER	16679A-1	16679A-2	16679A-10	16679A-11	16679A-16
Lead (6010)					
Lead, mg/kg dw	460	13	30	29	41
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Prep Date	10.19.99	10.19.99	10.19.99	10.19.99	10.19.99
Analysis Date	10.25.99	10.25.99	10.25.99	10.25.99	10.25.99
Batch ID	1019A	1019A	1019A	1019A	1019A
Percent Solids	80	84	84	82	87

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16679A
Received: 18 OCT 99
Reported: 28 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 113191029

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16679A-17	VSL-4-2	10-06-99/08:55
16679A-18	VSL-5-2	10-06-99/09:45
16679A-19	SOIL-DUP-4	10-06-99

PARAMETER	16679A-17	16679A-18	16679A-19
Lead (6010)			
Lead, mg/kg dw	88	29	30
Dilution Factor	1.0	1.0	1.0
Prep Date	10.19.99	10.19.99	10.19.99
Analysis Date	10.25.99	10.25.99	10.25.99
Batch ID	1019A	1019A	1019A
Percent Solids	72	89	92

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.savlabs.com

LOG NO: S9-16679A
Received: 18 OCT 99
Reported: 28 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 113191029

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16679A-6	Method Blank Soil	
16679A-7	Lab Control Standard (LCS) % Recovery	
16679A-8	LCS Control Limits	
16679A-12	MS/MSD % Recovery	
16679A-13	MS Accuracy Advisory Limit (%R)	

PARAMETER	16679A-6	16679A-7	16679A-8	16679A-12	16679A-13
Lead (6010)					
Lead, mg/kg dw	<0.50	100 %	75-125 %	90/91 %	75-125 %
Dilution Factor	1.0	1.0	---	1.0	---
Prep Date	10.19.99	10.19.99	---	10.19.99	---
Analysis Date	10.25.99	10.25.99	---	10.27.99	---
Batch ID	1019A	1019A	---	1019A	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.savlabs.com

LOG NO: S9-16679A
Received: 18 OCT 99
Reported: 28 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 113191029

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16679A-14	Precision (%RPD) MS/MSD	
16679A-15	MS Precision Advisory Limit (%RPD)	

PARAMETER	16679A-14	16679A-15
Lead (6010)		
Lead, %	1.1 %	<20 %

Methods: EPA SW-846

Elizabeth F. Beauchamp, Project Manager

Final Page Of Report

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SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton Rd.	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Jon Swart	770-496-1893	770-934-9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Road Atlanta, GA 30341

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: Lead (6010)

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED (Lead (6010))	PRESERVATIVE	REMARKS
10/05	09:30		SL-39-1		X			1		
10/05	10:15		SL-40-1		X			1		Analyze in
10/05	10:30		SL-41-1		X			1		Step-wise fashion
10/05	10:45		SL-42-1		X			1		as explained in
10/05	11:00		SL-43-1		X			1		letter
10/05	11:25		SL-39-2		X			1		Call if further
10/05	11:50		SL-40-2		X			1		explanation is
10/05	12:00		SL-41-2		X			1		needed
10/05			Soil Dup-2		X			1		
10/05	12:15		SL-42-2		X			1		
10/05	12:25		SL-43-2		X			1		
10/05	14:30		SL-35-1		X			1		
10/05	14:35		SL-35-2		X			1		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			Jonathan Swart	10/06/99	14:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[illegible]ERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	10/6/99	1420	☑ YES ☐ NO		SL-16675	

SAVANNAH LABORATORY COPY

p 5

Ser[illegible]mber [illegible]

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
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☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton Road	953-3825	

PAGE 4 OF 11

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Jon Swart	770-496-1893	770-934-9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 5730 Chamblee Tucker Road Atlanta GA 30341

STANDARD REPORT DELIVERY ☒
EXPEDITED REPORT DELIVERY (surcharge) ☐
Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	MATRIX TYPE: AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED: Lead (6010)	PRESERVATIVE	REMARKS
10/06	11:15		SL-40-3		X			1		
10/06	11:30		SL-41-3		X			1		Analyze in Step-wise fashion as explained in letter. Call if further explanation is needed
10/06	11:45		SL-42-3		X			1		
10/06	12:00		SL-43-3		X			1		
10/06			MS-MSD-3		X			1		
10/06			Soil Dup-5		X			1		
10/06	12:25		SL-43-4		X			1		
10/06	12:35		SL-42-4		X			1		
10/06	12:45		SL-41-4		X			1		
10/06	12:55		SL-40-4		X			1		
					X			1		
					X			1		
					X			1		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]ERS			Jonathan Swart	10/06/99	14:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[illegible]ERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
	10/6/99	1420	☑ YES ☐ NO		SL-116673	

SAVANNAH LABORATORY COPY

Sc[illegible]umbe 14[illegible]33

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

[X] 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
[ ] 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
[ ] 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
[ ] 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
[ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton Road	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
GA	Jon Swart	PHONE 770-496-1893 / FAX 770-934-9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Road Atlanta, GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: Lead (6010)

PRESERVATIVE

PAGE 2 OF 4

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10/05	14:40		SL-35-3		X			1	
10/05	14:50		SL-36-1		X			1	Analyze in
10/05	15:10		SL-36-2		X			1	Step-wise fashion
10/05	15:20		SL-36-3		X			1	as explained in
10/05	15:35		SL-36-4		X			1	letter.
10/05	15:45		SL-37-1		X			1	call if further
10/05			Soil Dup-3		X			1	explanation is
10/05			MS-MSD-2		X			1	needed
10/05	16:00		SL-37-2		X			1	
10/05	16:10		SL-37-3		X			1	
10/05	16:25		SL-38-1		X			1	
10/05	16:30		SL-38-2		X			1	
10/05	16:55		SL-38-3		X			1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]ERS			Jonathan Swart	10/06/99	14:00			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[illegible]AINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	10/6/99	1420	[X] YES [ ] NO		59-16675	

SAVANNAH LABORATORY COPY

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton Rd.	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Jon Swart	770-496-1893	770-934-9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Road Atlanta, GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent etc.)

REQUIRED ANALYSES: Lead (6010)

PAGE 3 OF 4

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent etc.)	NUMBER OF CONTAINERS SUBMITTED	PRESERVATIVE	REMARKS
10/05	17:05		SL-38-4	X				1		
10/06	8:05		VSL-3-1	X				1		Analyze in step-wise fashion as explained in letter. Call if further explanation is needed.
10/06	8:15		VSL-3-2	X				1		
10/06	8:20		VSL-3-3	X				1		
10/06	8:45		VSL-4-1	X				1		
10/06	8:55		VSL-4-2	X				1		
10/06			Soil Dup-4	X				1		
10/06	9:05		VSL-4-3	X				1		
10/06	9:30		VSL-5-1	X				1		
10/06	9:45		VSL-5-2	X				1		
10/06	9:55		VSL-5-3	X				1		
10/06	10:55		SL-39-3	X				1		
10/06	11:05		SL-39-4	X				1		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			Jonathan Swart	10/06/99	14:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[illegible]								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	10/6/99	1420	☒ YES ☐ NO		52166 79	

SAVANNAH LABORATORY AND ENVIRONMENTAL SERVICES

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.savlabs.com

LOG NO: S9-16564A
Received: 12 OCT 99
Reported: 22 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 155691022

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16564A-1	SL-45-2	10-01-99/13:40
16564A-2	SL-44-2	10-01-99/12:50
16564A-10	VSL-7-2	10-01-99/14:20
16564A-11	VSL-6-2	10-01-99/14:50

PARAMETER	16564A-1	16564A-2	16564A-10	16564A-11
Lead (6010)				
Lead, mg/kg dw	18	420	73	2000
Dilution Factor	1.0	1.0	1.0	1.0
Prep Date	10.05.99	10.05.99	10.05.99	10.05.99
Analysis Date	10.07.99	10.07.99	10.07.99	10.07.99
Batch ID	1005A	1005A	1005A	1005A
Percent Solids	82	79	86	83

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& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16564A
Received: 12 OCT 99
Reported: 22 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 155691022

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16564A-6	Method Blank Soil	
16564A-7	Lab Control Standard (LCS) % Recovery	
16564A-8	LCS Control Limits	
16564A-12	MS/MSD % Recovery	
16564A-13	MS Accuracy Advisory Limit (%R)	

PARAMETER	16564A-6	16564A-7	16564A-8	16564A-12	16564A-13
Lead (6010)					
Lead, mg/kg dw	<0.50	99 %	75-125 %	89/90 %	75-125 %
Dilution Factor	1.0	1.0	---	1.0	---
Prep Date	10.05.99	10.05.99	---	10.05.99	---
Analysis Date	10.07.99	10.07.99	---	10.07.99	---
Batch ID	1005A	1005A	---	1005A	---

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LOG NO: S9-16564A
Received: 12 OCT 99
Reported: 22 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 155691022

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16564A-14	Precision (%RPD) MS/MSD	
16564A-15	MS Precision Advisory Limit (%RPD)	

PARAMETER	16564A-14	16564A-15
Lead (6010)		
Lead, %	1.1 %	<20 %

Methods: EPA SW-846

Elizabeth F. Beauchamp, Project Manager

Final Page Of Report

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☑ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
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☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
[illegible]/Hampton PD	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	[illegible]	[illegible]	[illegible]

CLIENT NAME	CLIENT PROJECT MANAGER
[illegible] Associates	[illegible]

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible] ATLANTA GA [illegible]

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: Lead (6010)

PAGE 1 OF 2

☑ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: [illegible]

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS	SOLID	AIR	NONAQUEOUS	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10-1	13:35		SL-45-3	X				1	
	13:40		SL-45-2	X				1	
	13:30		SL-45-1	X				1	Analyze in sequence listed on explanation letter. Will call w/ further explanations as needed
	12:40		SL-44-1	X				1	
	12:50		SL-44-2	X				1	
	11:30		SL-48	X				1	
			Dupe-1	X				1	
	11:40		SL-47	X				1	
	13:00		SL-44-3	X				1	
	11:50		SL-46	X				1	
	14:10		VSL-7-1	X				1	VSL SL-48 for MS/MSD
	14:20		VSL-7-2	X				1	
	14:30		VSL-7-3	X				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Campbell	9/30/99			10-1-99	1600			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	10/1/99	1100AM	☑ YES ☐ NO		59-16564	

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R 12

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton #1	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE
CA	CHRIS HEMINGWAY	770-496-1893
		FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: Lead (6010)

PAGE 1 OF 2

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: [illegible]

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
[illegible]	[illegible]		VSL-6-1	X				1	[illegible]
1	1430		VSL-6-2	X				1	[illegible]
1	1500		VSL-6-3	X				1	[illegible]
									[illegible]
									[illegible]
									[illegible]
									[illegible]
									[illegible]

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	9/1/99		[signature]	10-1-99	16:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	10/1/99	4:10 PM	☑ YES ☐ NO		SL-16564	

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SL SAVANNAH LABORATORIES
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LOG NO: S9-16564
Received: 01 OCT 99
Reported: 12 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 132491012

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16564-1	SL-45-1	10-01-99/13:30
16564-2	SL-44-1	10-01-99/12:40
16564-3	DUPE-1	10-01-99
16564-4	SL-48	10-01-99/11:30
16564-5	SL-47	10-01-99/11:40

PARAMETER	16564-1	16564-2	16564-3	16564-4	16564-5
Lead (6010)					
Lead, mg/kg dw	150	310	290	37	48
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Prep Date	10.04.99	10.04.99	10.04.99	10.05.99	10.04.99
Analysis Date	10.06.99	10.06.99	10.06.99	10.07.99	10.06.99
Batch ID	1004B	1004B	1004B	1005A	1004B
Percent Solids	78	88	89	88	84

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LOG NO: S9-16564
Received: 01 OCT 99
Reported: 12 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 132491012

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16564-9	SL-46	10-01-99/11:50
16564-10	VSL-7-1	10-01-99/14:10
16564-11	VSL-6-1	10-01-99/14:40

PARAMETER	16564-9	16564-10	16564-11
Lead (6010)			
Lead, mg/kg dw	490	180	680
Dilution Factor	1.0	1.0	1.0
Prep Date	10.04.99	10.04.99	10.04.99
Analysis Date	10.06.99	10.06.99	10.06.99
Batch ID	1004B	1004B	1004B
Percent Solids	87	88	84

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16564
Received: 01 OCT 99
Reported: 12 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 132491012

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16564-6	Method Blank Soil	
16564-7	Lab Control Standard (LCS) % Recovery	
16564-8	LCS Control Limits	
16564-12	MS/MSD % Recovery	
16564-13	MS Accuracy Advisory Limit (%R)	

PARAMETER	16564-6	16564-7	16564-8	16564-12	16564-13
Lead (6010)					
Lead, mg/kg dw	<0.50	106 %	75-125 %	89/90 %	75-125 %
Dilution Factor	1.0	1.0	---	1.0	---
Prep Date	10.04.99	10.04.99	---	10.05.99	---
Analysis Date	10.05.99	10.05.99	---	10.07.99	---
Batch ID	1004B	1004B	---	1005A	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16564
Received: 01 OCT 99
Reported: 12 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 132491012

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16564-14	Precision (%RPD) MS/MSD	
16564-15	MS Precision Advisory Limit (%RPD)	

PARAMETER	16564-14	16564-15
Lead (6010)		
Lead, %	1.1 %	<20 %

Methods: EPA SW-846

Elizabeth F. Beauchamp, Project Manager

Final Page Of Report

Ser[illegible]mber [illegible]

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
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☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton Rd	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Chris Hemingway	770-496-1893	~~770~~

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc.)

REQUIRED ANALYSES: Lead (6010)

PAGE 1 OF 2

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10-1	1440		VSL-6-1	X				1	Analyze in Step-wise fashion as explained in letter. Call if further explanation is needed
↓	1450		VSL-6-2	X				1	
↓	1500		VSL-6-3	X				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	10/1/99		[signature]	10-1-99	1600			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			[signature]					

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	10/1/99	4:00PM	☑ YES ☐ NO		SL-16564	

ORIGINAL

Serial Number 14933

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton Rd.	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Jon Swart	770-496-1893	770-934-9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Road Atlanta, GA 30341

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc.)

REQUIRED ANALYSES: Lead (6010)

PAGE 3 OF 4

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10/05	17:05		SL-38-4	X					1	
10/06	8:05		VSL-3-1	X					1	
10/06	8:15		VSL-3-2	X					1	
10/06	8:20		VSL-3-3	X					1	
10/06	8:45		VSL-4-1	X					1	
10/06	8:55		VSL-4-2	X					1	
10/06			Soil Dup-4	X					1	
10/06	9:05		VSL-4-3	X					1	
10/06	9:30		VSL-5-1	X					1	
10/06	9:45		VSL-5-2	X					1	
10/06	9:55		VSL-5-3	X					1	
10/06	10:55		SL-39-3	X					1	
10/06	11:05		SL-39-4	X					1	

Analyze in step-wise fashion as explained in letter. Call if further explanation is needed.

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
CONTAINERS			Jonathan Swart	10/06/99	14:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
	10/6/99	1420	☑ YES ☐ NO		SL-16679	

ORIGINAL

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-70791
Received: 12 FEB 97
Reported: 18 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70791-1	GW-1-1	02-11-97/1545
70791-2	GW-1-2	02-11-97/1615
70791-3	GW-1-3	02-11-97/1630
70791-4	GW-1-4	02-11-97/1645
70791-5	GW-3-1	02-11-97/1120

PARAMETER	70791-1	70791-2	70791-3	70791-4	70791-5
Volatiles by GC/MS (8260)					
Chloromethane, ug/kg dw	<13	<12	<12	<14	<1500
Bromomethane, ug/kg dw	<13	<12	<12	<14	<1500
Vinyl chloride, ug/kg dw	<13	<12	<12	<14	<1500
Chloroethane, ug/kg dw	<13	<12	<12	<14	<1500
Methylene chloride (Dichloromethane), ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Acetone, ug/kg dw	<63	<62	<60	<69	<7600
Carbon disulfide, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
1,1-Dichloroethene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
1,1-Dichloroethane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Cis/Trans-1,2-Dichloroethene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Chloroform, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
1,2-Dichloroethane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
2-Butanone (MEK), ug/kg dw	<32	<31	<30	<35	<3800
1,1,1-Trichloroethane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Carbon tetrachloride, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Bromodichloromethane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760

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3730 Chamblee Tucker Road
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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70791-1	GW-1-1	02-11-97/1545
70791-2	GW-1-2	02-11-97/1615
70791-3	GW-1-3	02-11-97/1630
70791-4	GW-1-4	02-11-97/1645
70791-5	GW-3-1	02-11-97/1120

PARAMETER	70791-1	70791-2	70791-3	70791-4	70791-5
1,1,2,2-Tetrachloroethane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
1,2-Dichloropropane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
trans-1,3-Dichloropropene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Trichloroethene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Dibromochloromethane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
1,1,2-Trichloroethane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Benzene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
cis-1,3-Dichloropropene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Bromoform, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
2-Hexanone, ug/kg dw	<32	<31	<30	<35	<3800
4-Methyl-2-pentanone (MIBK), ug/kg dw	<32	<31	<30	<35	<3800
Tetrachloroethene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760
Toluene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	1000
Chlorobenzene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	2400
Ethylbenzene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	14000
Styrene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	3800

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& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S7-70791
Received: 12 FEB 97
Reported: 18 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70791-1	GW-1-1	02-11-97/1545
70791-2	GW-1-2	02-11-97/1615
70791-3	GW-1-3	02-11-97/1630
70791-4	GW-1-4	02-11-97/1645
70791-5	GW-3-1	02-11-97/1120

PARAMETER	70791-1	70791-2	70791-3	70791-4	70791-5
Xylenes, ug/kg dw	<6.3	<6.2	<6.0	<6.9	18000
Surrogate - Toluene-d8	108 %	98 %	97 %	110 %	130 %
Surrogate - 4-Bromofluorobenzene	108 %	100 %	97 %	109 %	130 %
Surrogate - Dibromofluoromethane	159 %	161 %	152 %	159 %	143 %
Date Analyzed	02.14.97	02.17.97	02.17.97	02.14.97	02.17.97
Dilution factor	1.0	1.0	1.0	1.0	125
Batch ID	0214A	0214A	0214A	0214A	0214C
Clock ID	2I0214	1I0217	1I0217	2I0214	2I0217
Percent Solids (160.3), %	79	80	83	72	81

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Received: 12 FEB 97
Reported: 18 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70791-6	GW-3-2	02-11-97/1155
70791-7	GW-3-3	02-11-97/1210
70791-11	GW-1-1 (DUP)	02-11-97/1545

PARAMETER	70791-6	70791-7	70791-11
Volatiles by GC/MS (8260)			
Chloromethane, ug/kg dw	<1500	<12	<13
Bromomethane, ug/kg dw	<1500	<12	<13
Vinyl chloride, ug/kg dw	<1500	<12	<13
Chloroethane, ug/kg dw	<1500	<12	<13
Methylene chloride (Dichloromethane), ug/kg dw	<760	<6.0	<6.3
Acetone, ug/kg dw	<7600	<60	<63
Carbon disulfide, ug/kg dw	<760	<6.0	<6.3
1,1-Dichloroethene, ug/kg dw	<760	<6.0	<6.3
1,1-Dichloroethane, ug/kg dw	<760	<6.0	<6.3
Cis/Trans-1,2-Dichloroethene, ug/kg dw	<760	<6.0	<6.3
Chloroform, ug/kg dw	<760	<6.0	<6.3
1,2-Dichloroethane, ug/kg dw	<760	<6.0	<6.3
2-Butanone (MEK), ug/kg dw	<3800	<30	<32
1,1,1-Trichloroethane, ug/kg dw	<760	<6.0	<6.3
Carbon tetrachloride, ug/kg dw	<760	<6.0	<6.3
Bromodichloromethane, ug/kg dw	<760	<6.0	<6.3
1,1,2,2-Tetrachloroethane, ug/kg dw	<760	<6.0	<6.3

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& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S7-70791
Received: 12 FEB 97
Reported: 18 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70791-6	GW-3-2	02-11-97/1155
70791-7	GW-3-3	02-11-97/1210
70791-11	GW-1-1 (DUP)	02-11-97/1545

PARAMETER	70791-6	70791-7	70791-11
1,2-Dichloropropane, ug/kg dw	<760	<6.0	<6.3
trans-1,3-Dichloropropene, ug/kg dw	<760	<6.0	<6.3
Trichloroethene, ug/kg dw	<760	<6.0	<6.3
Dibromochloromethane, ug/kg dw	<760	<6.0	<6.3
1,1,2-Trichloroethane, ug/kg dw	<760	<6.0	<6.3
Benzene, ug/kg dw	<760	<6.0	<6.3
cis-1,3-Dichloropropene, ug/kg dw	<760	<6.0	<6.3
Bromoform, ug/kg dw	<760	<6.0	<6.3
2-Hexanone, ug/kg dw	<3800	<30	<32
4-Methyl-2-pentanone (MIBK), ug/kg dw	<3800	<30	<32
Tetrachloroethene, ug/kg dw	<760	<6.0	<6.3
Toluene, ug/kg dw	<760	<6.0	<6.3
Chlorobenzene, ug/kg dw	<760	<6.0	<6.3
Ethylbenzene, ug/kg dw	2800	<6.0	<6.3
Styrene, ug/kg dw	780	<6.0	<6.3
Xylenes, ug/kg dw	4000	<6.0	<6.3
Surrogate - Toluene-d8	117 %	100 %	108 %
Surrogate - 4-Bromofluorobenzene	118 %	98 %	106 %
Surrogate - Dibromofluoromethane	130 %	150 %	159 %
Date Analyzed	02.18.97	02.17.97	02.14.97
Dilution factor	125	1.0	1.0
Batch ID	0214C	0214A	0214A
Clock ID	2I0217	1I0217	2I0214

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70791-6	GW-3-2	02-11-97/1155
70791-7	GW-3-3	02-11-97/1210
70791-11	GW-1-1 (DUP)	02-11-97/1545

PARAMETER	70791-6	70791-7	70791-11
Percent Solids (160.3), %	81	83	79

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& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S7-70791
Received: 12 FEB 97
Reported: 18 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
70791-8	Method Blank Soil
70791-12	Method Blank Soil (Med Level)
70791-9	Lab Control Standard (LCS) % Recovery
70791-13	Lab Control Standard (LCS) % Recovery
70791-10	LCS Control Limits

PARAMETER	70791-8	70791-12	70791-9	70791-13	70791-10
Volatiles by GC/MS (8260)					
Chloromethane, ug/kg dw	<10	<1200	---		---
Bromomethane, ug/kg dw	<10	<1200	---		---
Vinyl chloride, ug/kg dw	<10	<1200	---		---
Chloroethane, ug/kg dw	<10	<1200	---		---
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	<620	---		---
Acetone, ug/kg dw	<50	<6200	---		---
Carbon disulfide, ug/kg dw	<5.0	<620	---		---
1,1-Dichloroethene, ug/kg dw	<5.0	<620	112 %	100 %	50-177 %
1,1-Dichloroethane, ug/kg dw	<5.0	<620	---		---
Cis/Trans-1,2-Dichloroethene, ug/kg dw	<5.0	<620	---		---
Chloroform, ug/kg dw	<5.0	<620	---		---
1,2-Dichloroethane, ug/kg dw	<5.0	<620	---		---
2-Butanone (MEK), ug/kg dw	<25	<3100	---		---
1,1,1-Trichloroethane, ug/kg dw	<5.0	<620	---		---
Carbon tetrachloride, ug/kg dw	<5.0	<620	---		---
Bromodichloromethane, ug/kg dw	<5.0	<620	---		---

SL *SAVANNAH LABORATORIES*
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3730 Chamblee Tucker Road
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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
70791-8	Method Blank Soil
70791-12	Method Blank Soil (Med Level)
70791-9	Lab Control Standard (LCS) % Recovery
70791-13	Lab Control Standard (LCS) % Recovery
70791-10	LCS Control Limits

PARAMETER	70791-8	70791-12	70791-9	70791-13	70791-10
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	<620	---		---
1,2-Dichloropropane, ug/kg dw	<5.0	<620	---		---
trans-1,3-Dichloropropene, ug/kg dw	<5.0	<620	---		---
Trichloroethene, ug/kg dw	<5.0	<620	100 %	90 %	41-134 %
Dibromochloromethane, ug/kg dw	<5.0	<620	---		---
1,1,2-Trichloroethane, ug/kg dw	<5.0	<620	---		---
Benzene, ug/kg dw	<5.0	<620	122 %	95 %	66-137 %
cis-1,3-Dichloropropene, ug/kg dw	<5.0	<620	---		---
Bromoform, ug/kg dw	<5.0	<620	---		---
2-Hexanone, ug/kg dw	<25	<3100	---		---
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	<3100	---		---
Tetrachloroethene, ug/kg dw	<5.0	<620	---		---
Toluene, ug/kg dw	<5.0	<620	116 %	98 %	60-144 %
Chlorobenzene, ug/kg dw	<5.0	<620	114 %	103 %	63-139 %
Ethylbenzene, ug/kg dw	<5.0	<620	---		---
Styrene, ug/kg dw	<5.0	<620	---		---

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LOG NO: S7-70791
Received: 12 FEB 97
Reported: 18 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
70791-8	Method Blank Soil
70791-12	Method Blank Soil (Med Level)
70791-9	Lab Control Standard (LCS) % Recovery
70791-13	Lab Control Standard (LCS) % Recovery
70791-10	LCS Control Limits

PARAMETER	70791-8	70791-12	70791-9	70791-13	70791-10
Xylenes, ug/kg dw	<5.0	<620	---		---
Surrogate - Toluene-d8	108 %	122 %	108 %	113 %	67-143 %
Surrogate - 4-Bromofluorobenzene	120 %	129 %	120 %	119 %	43-153 %
Surrogate - Dibromofluoromethane	164 %	139 %	156 %	129 %	73-165 %
Date Analyzed	02.14.97	02.17.97	02.14.97	02.17.97	---
Dilution factor	1.0	1.0	1.0	1.0	---
Batch ID	0214A	0214C	0214A	0214C	---
Clock ID	2I0214	2I0217	2I0214	2I0217	---

Methods: EPA SW-846

Lisa G. McLeod, Project Manager

Final Page Of Report

Serial Number [illegible]

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

☐ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Brampton Rd	953-3825.003	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	PAGE	OF
GA	Chris Hemingway (CDM)	770-496-1893		
		FAX		

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	Ms. Chris Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA 30341

STANDARD REPORT DELIVERY: ☒
EXPEDITED REPORT DELIVERY(surcharge): ☐
Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	MATRIX TYPE: AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	REQUIRED ANALYSES: VOC's	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-11	15:45		GW-1-1	X				X			
	16:15		GW-1-2	X				X			
	16:30		GW-1-3	X				X			
	16:45		GW-1-4	X				X			
	11:20		GW-3-1	X				X			
	11:55		GW-3-2	X				X			
	12:10		GW-3-3	X				X			
	15:45		GW-1-1 (DUP)	X				X			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
A. Campbell	2/7/97	5:30		2-12	9:30			
RECEIVED BY: (SIGNATURE) CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO	LABORATORY REMARKS:
A. Campbell	2/12/97	9:30	☑ YES ☐ NO		57-7091	5 ice

ORIGINAL

Serial Number [illegible]

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
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100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
[illegible] Rd	953-3825.003	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
GA	Chris Hemingway (CDH)	PHONE 770-496-1893

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	Ms. Chris Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: VOC's

PRESERVATIVE

PAGE ___ OF ___

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	VOC's	REMARKS
2-11	15:45		GW-1-1		X			X	
	16:15		GW-1-2		X			X	
	16:30		GW-1-3		X			X	
	16:45		GW-1-4		X			X	
	11:20		GW-3-1		X			X	
	11:55		GW-3-2		X			X	
	12:10		GW-3-3		X			X	
	15:45		GW-1-1 (DUP)		X			X	

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
S. Campbell	2/7/97	5:30	[signature]	2-12	9:30			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[illegible] CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
A. Campbell	2/12/97	9:30	☒ YES ☐ NO		37-70791	5.6

CLIENTS FIELD COPY

Se...number 138207

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☑ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah/Brampton Rd	953-3825	

PAGE 1 OF 2

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	CHRIS HEMINGWAY	770 496 1893	770 934 9476

CLIENT NAME	CLIENT PROJECT MANAGER
GOLDER ASSOCIATES	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 CHAMBLEE TUCKER RD. ATLANTA GA 30341

☑ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (oil, solvent, etc)	REQUIRED ANALYSES: Lead (6010)	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10-1	13:55		SL-45-3	X				1		1	
	13:40		SL-45-2	X				1		1	Analyze in step-wise fashion as explained in letter. Call if further explanation is needed
	13:30		SL-45-1	X				1		1	
	12:40		SL-44-1	X				1		1	
	12:50		SL-44-2	X				1		1	
	11:30		SL-48	X				1		1	
			Dupe-1	X				1		1	
	11:40		SL-47	X				1		1	
	13:00		SL-44-3	X				1		1	
	11:50		SL-46	X				1		1	use SL-48 for MS/MSD
	14:10		VSL-7-1	X				1		1	
	14:20		VSL-7-2	X				1		1	
	14:30		VSL-7-3	X				1		1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
L. Campbell	9/30/99			10-1-99	1600			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
FEDEX COURIERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
	10/1/99	4:00AM	☑ YES ☐ NO		59-16564	

ORIGINAL

DTQ

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.savlabs.com

LOG NO: S9-16679
Received: 07 OCT 99
Reported: 18 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 124391018

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16679-1	SL-39-1	10-05-99/09:30
16679-2	SL-40-1	10-05-99/10:15
16679-3	SL-41-1	10-05-99/10:30
16679-4	SL-42-1	10-05-99/10:45
16679-5	SL-43-1	10-05-99/11:00

PARAMETER	16679-1	16679-2	16679-3	16679-4	16679-5
Lead (6010)					
Lead, mg/kg dw	730	1300	100	28	110
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Prep Date	10.14.99	10.14.99	10.14.99	10.14.99	10.14.99
Analysis Date	10.15.99	10.15.99	10.15.99	10.15.99	10.15.99
Batch ID	1014B	1014B	1014B	1014B	1014B
Percent Solids	85	81	81	82	83

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& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16679
Received: 07 OCT 99
Reported: 18 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 124391018

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16679-9	SL-35-1	10-05-99/14:30
16679-10	SL-36-1	10-05-99/14:50
16679-11	SL-37-1	10-05-99/15:45
16679-16	SL-38-1	10-05-99/16:25
16679-17	VSL-3-1	10-06-99/08:05

PARAMETER	16679-9	16679-10	16679-11	16679-16	16679-17
Lead (6010)					
Lead, mg/kg dw	32	45	6300	31	25
Dilution Factor	1.0	1.0	5.0	1.0	1.0
Prep Date	10.14.99	10.14.99	10.14.99	10.14.99	10.14.99
Analysis Date	10.15.99	10.15.99	10.15.99	10.15.99	10.15.99
Batch ID	1014B	1014B	1014B	1014B	1014B
Percent Solids	84	84	86	92	87

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16679
Received: 07 OCT 99
Reported: 18 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 124391018

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
16679-18	VSL-4-1	10-06-99/08:45
16679-19	VSL-5-1	10-06-99/09:30
16679-20	SOIL-DUP-3	10-06-99

PARAMETER	16679-18	16679-19	16679-20
Lead (6010)			
Lead, mg/kg dw	18000	340	3500
Dilution Factor	10.0	1.0	5.0
Prep Date	10.14.99	10.14.99	10.14.99
Analysis Date	10.15.99	10.15.99	10.15.99
Batch ID	1014B	1014B	1014B
Percent Solids	84	83	86

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16679
Received: 07 OCT 99
Reported: 18 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 124391018

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16679-6	Method Blank Soil	
16679-7	Lab Control Standard (LCS) % Recovery	
16679-8	LCS Control Limits	
16679-12	MS/MSD % Recovery (MS/MSD2) (SL-37-1)	
16679-13	MS Accuracy Advisory Limit (%R)	

PARAMETER	16679-6	16679-7	16679-8	16679-12	16679-13
Lead (6010)					
Lead, mg/kg dw	<0.50	101 %	75-125 %	*F61/*F61	75-125 %
Dilution Factor	1.0	1.0	---	5.0	---
Prep Date	10.14.99	10.14.99	---	10.14.99	---
Analysis Date	10.15.99	10.15.99	---	10.15.99	---
Batch ID	1014B	1014B	---	1014B	---

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

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LOG NO: S9-16679
Received: 07 OCT 99
Reported: 18 OCT 99

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 124391018

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
16679-14	Precision (%RPD) MS/MSD	
16679-15	MS Precision Advisory Limit (%RPD)	

PARAMETER	16679-14	16679-15
Lead (6010)		
Lead, %	*F61	<20 %

Methods: EPA SW-846

*F61 = The recoveries of the matrix spikes are outside advisory limits due to the abundance of the target analyte in the sample.

Elizabeth P. Beauchamp, Project Manager

Final Page Of Report

Serial Number [illegible]

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
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☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton Rd.	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Jon Swart	770-496-1893	770-934-9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Road Atlanta, GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc.)

REQUIRED ANALYSES: Lead (6010)

PRESERVATIVE

PAGE 1 OF 4

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10/05	09:30		SL-39-1	X				1	
10/05	10:15		SL-40-1	X				1	Analyse in
10/05	10:30		SL-41-1	X				1	Step-wise fashion
10/05	10:45		SL-42-1	X				1	as explained in
10/05	11:00		SL-43-1	X				1	letter.
10/05	11:25		SL-39-2	X				1	Call if further
10/05	11:50		SL-40-2	X				1	explanation is
10/05	12:00		SL-41-2	X				1	needed
10/05			Soil Dup-2	X				1	
10/05	12:15		SL-42-2	X				1	
10/05	12:25		SL-43-2	X				1	
10/05	14:30		SL-35-1	X				1	
10/05	14:35		SL-35-2	X				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
CONTAINERS			Jonah Swart	10/06/99	14:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
	10/6/99	1420	☑ YES ☐ NO		SG-1669	

ORIGINAL

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SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
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☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah / Brampton Road	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Jon Swart	770-496-1893	770-934-9476

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	C. Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 chamblee Tucker Road Atlanta GA 30341

PAGE 4 OF 4

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY(surcharge)
Date Due: ASAP

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	MATRIX TYPE: AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	REQUIRED ANALYSES: Lead (6010)	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10/06	11:15		SL-40-3	X						1	
10/06	11:30		SL-41-3	X						1	
10/06	11:45		SL-42-3	X						1	Analyze in Step-wise fashion as explained in letter. Call if further explanation is needed.
10/06	12:00		SL-43-3	X						1	
10/06			MS-MSD-3	X						1	
10/06			Soil Dup-5	X						1	
10/06	12:25		SL-43-4	X						1	
10/06	12:35		SL-42-4	X						1	
10/06	12:45		SL-41-4	X						1	
10/06	12:55		SL-40-4	X						1	
				X						1	
				X						1	
				X						1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
CONTAINERS			Jonathan Swart	10/06/99	14:00			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
	10/6/99	1420	☒ YES ☐ NO		59-16679	

ORIGINAL

Seri[illegible]ber [illegible]

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

- [X] 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
- [ ] 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
- [ ] 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
- [ ] 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
- [ ] 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE: Savannah / Brampton Road
PROJECT NO.: 953-3825
P.O. NUMBER:
PROJECT LOC. (State): GA
SAMPLER(s) NAME: Jon Swart
PHONE: 770-496-1893
FAX: 770-934-9476
CLIENT NAME: Golder Associates
CLIENT PROJECT MANAGER: C. Paul
CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Road Atlanta, GA 30341

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: Lead (6010)

PRESERVATIVE

PAGE 2 OF 4

[X] STANDARD REPORT DELIVERY
[ ] EXPEDITED REPORT DELIVERY (surcharge)
Date Due: ASAP

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	Lead (6010)	REMARKS
10/05	14:40		SL-35-3		X			1	
10/05	14:50		SL-36-1		X			1	Analyze in
10/05	15:10		SL-36-2		X			1	step-wise fashion
10/05	15:20		SL-36-3		X			1	as explained in
10/05	15:35		SL-36-4		X			1	letter.
10/05	15:45		SL-37-1		X			1	call if further
10/05			Soil Dup-3		X			1	explanation is
10/05			MS-MSD-2		X			1	needed.
10/05	16:00		SL-37-2		X			1	
10/05	16:10		SL-37-3		X			1	
10/05	16:25		SL-38-1		X			1	
10/05	16:30		SL-38-2		X			1	
10/05	16:55		SL-38-3		X			1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]NERS			Jonathan Swart	10/06/99	14:00			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[illegible]NERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
[signature]	10/6/99	1420	[X] YES [ ] NO		59-16679	

ORIGINAL

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-70863
Received: 13 FEB 97
Reported: 21 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
70863-1	SW-1	02-13-97/1525
70863-2	W-4	02-12-97/1515
70863-3	W-5	02-12-97/1440
70863-4	GW-3	02-13-97/1530
70863-5	XY	02-12-97/1420

PARAMETER	70863-1	70863-2	70863-3	70863-4	70863-5
Volatiles by GC/MS (8260)					
Chloromethane, ug/l	<10	<10	<10	<10	<10
Bromomethane, ug/l	<10	<10	<10	<10	<10
Vinyl chloride, ug/l	<10	<10	<10	22	<10
Chloroethane, ug/l	<10	<10	<10	<10	<10
Methylene chloride (Dichloromethane), ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone, ug/l	<50	<50	<50	<50	<50
Carbon disulfide, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene, ug/l	<5.0	45	110	210	23
1,1-Dichloroethane, ug/l	<5.0	50	19	140	33
Cis/Trans-1,2-Dichloroethene, ug/l	<5.0	11	<5.0	64	<5.0
Chloroform, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane, ug/l	<5.0	<5.0	12	7.3	<5.0
2-Butanone (MEK), ug/l	<25	<25	<25	<25	<25
1,1,1-Trichloroethane, ug/l	<5.0	<5.0	<5.0	7.6	<5.0
Carbon tetrachloride, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-70863
Received: 13 FEB 97
Reported: 21 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
70863-1	SW-1	02-13-97/1525
70863-2	W-4	02-12-97/1515
70863-3	W-5	02-12-97/1440
70863-4	GW-3	02-13-97/1530
70863-5	XY	02-12-97/1420

PARAMETER	70863-1	70863-2	70863-3	70863-4	70863-5
1,2-Dichloropropane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene, ug/l	<5.0	38	<5.0	49	<5.0
Dibromochloromethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane, ug/l	<5.0	<5.0	7.0	<5.0	<5.0
Benzene, ug/l	<5.0	47	8.4	17	<5.0
cis-1,3-Dichloropropene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
2-Hexanone, ug/l	<25	<25	<25	<25	<25
4-Methyl-2-pentanone (MIBK), ug/l	<25	<25	<25	<25	<25
Tetrachloroethene, ug/l	<5.0	150	16	400	<5.0
Toluene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene, ug/l	<5.0	<5.0	<5.0	18	<5.0
Ethylbenzene, ug/l	<5.0	<5.0	<5.0	21	<5.0
Styrene, ug/l	<5.0	<5.0	<5.0	5.9	<5.0
Xylenes, ug/l	<5.0	<5.0	<5.0	24	<5.0
Surrogate - Toluene-d8	108 %	108 %	108 %	108 %	106 %
Surrogate - 4-Bromofluorobenzene	106 %	108 %	106 %	110 %	108 %
Surrogate - Dibromofluoromethane	104 %	108 %	110 %	106 %	114 %
Date Analyzed	02.18.97	02.18.97	02.18.97	02.18.97	02.18.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0218B	0218B	0218B	0218B	0218B
Clock ID	1I0218	1I0218	1I0218	1I0218	2I0218

SL *SAVANNAH LABORATORIES*
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5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-70863
Received: 13 FEB 97
Reported: 21 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
70863-6	Duplicate	02-12-97/1520
70863-7	Field Blank	02-13-97/1515
70863-8	GW-1	02-13-97/1545
70863-9	Trip Blank	

PARAMETER	70863-6	70863-7	70863-8	70863-9
Volatiles by GC/MS (8260)				
Chloromethane, ug/l	<10	<10	<10	<10
Bromomethane, ug/l	<10	<10	<10	<10
Vinyl chloride, ug/l	<10	<10	<10	<10
Chloroethane, ug/l	<10	<10	<10	<10
Methylene chloride (Dichloromethane), ug/l	<5.0	<5.0	<5.0	<5.0
Acetone, ug/l	<50	<50	<50	<50
Carbon disulfide, ug/l	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene, ug/l	43	<5.0	<5.0	<5.0
1,1-Dichloroethane, ug/l	48	<5.0	<5.0	<5.0
Cis/Trans-1,2-Dichloroethene, ug/l	10	<5.0	6.0	<5.0
Chloroform, ug/l	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane, ug/l	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK), ug/l	<25	<25	<25	<25
1,1,1-Trichloroethane, ug/l	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride, ug/l	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane, ug/l	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane, ug/l	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane, ug/l	<5.0	<5.0	<5.0	<5.0

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
70863-6	Duplicate	02-12-97/1520
70863-7	Field Blank	02-13-97/1515
70863-8	GW-1	02-13-97/1545
70863-9	Trip Blank	

PARAMETER	70863-6	70863-7	70863-8	70863-9
trans-1,3-Dichloropropene, ug/l	<5.0	<5.0	<5.0	<5.0
Trichloroethene, ug/l	37	<5.0	11	<5.0
Dibromochloromethane, ug/l	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane, ug/l	<5.0	<5.0	<5.0	<5.0
Benzene, ug/l	47	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene, ug/l	<5.0	<5.0	<5.0	<5.0
Bromoform, ug/l	<5.0	<5.0	<5.0	<5.0
2-Hexanone, ug/l	<25	<25	<25	<25
4-Methyl-2-pentanone (MIBK), ug/l	<25	<25	<25	<25
Tetrachloroethene, ug/l	140	<5.0	23	<5.0
Toluene, ug/l	<5.0	<5.0	<5.0	<5.0
Chlorobenzene, ug/l	<5.0	<5.0	<5.0	<5.0
Ethylbenzene, ug/l	<5.0	<5.0	<5.0	<5.0
Styrene, ug/l	<5.0	<5.0	<5.0	<5.0
Xylenes, ug/l	<5.0	<5.0	<5.0	<5.0
Surrogate - Toluene-d8	106 %	106 %	106 %	106 %
Surrogate - 4-Bromofluorobenzene	108 %	106 %	108 %	108 %
Surrogate - Dibromofluoromethane	108 %	110 %	112 %	108 %
Date Analyzed	02.18.97	02.18.97	02.18.97	02.18.97
Dilution factor	1.0	1.0	1.0	1.0
Batch ID	0218B	0218B	0218B	0218B
Clock ID	2I0218	2I0218	2I0218	2I0218

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
70863-10	Method Blank
70863-11	Lab Control Standard (LCS) % Recovery
70863-12	LCS Control Limits

PARAMETER	70863-10	70863-11	70863-12
Volatiles by GC/MS (8260)			
Chloromethane, ug/l	<10	---	---
Bromomethane, ug/l	<10	---	---
Vinyl chloride, ug/l	<10	---	---
Chloroethane, ug/l	<10	---	---
Methylene chloride (Dichloromethane), ug/l	<5.0	---	---
Acetone, ug/l	<50	---	---
Carbon disulfide, ug/l	<5.0	---	---
1,1-Dichloroethene, ug/l	<5.0	116 %	18-181 %
1,1-Dichloroethane, ug/l	<5.0	---	---
Cis/Trans-1,2-Dichloroethene, ug/l	<5.0	---	---
Chloroform, ug/l	<5.0	---	---
1,2-Dichloroethane, ug/l	<5.0	---	---
2-Butanone (MEK), ug/l	<25	---	---
1,1,1-Trichloroethane, ug/l	<5.0	---	---
Carbon tetrachloride, ug/l	<5.0	---	---
Bromodichloromethane, ug/l	<5.0	---	---
1,1,2,2-Tetrachloroethane, ug/l	<5.0	---	---
1,2-Dichloropropane, ug/l	<5.0	---	---
trans-1,3-Dichloropropene, ug/l	<5.0	---	---

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Sampled By: Client
Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
70863-10	Method Blank
70863-11	Lab Control Standard (LCS) % Recovery
70863-12	LCS Control Limits

PARAMETER	70863-10	70863-11	70863-12
Trichloroethene, ug/l	<5.0	102 %	45-145 %
Dibromochloromethane, ug/l	<5.0	---	---
1,1,2-Trichloroethane, ug/l	<5.0	---	---
Benzene, ug/l	<5.0	110 %	52-143 %
cis-1,3-Dichloropropene, ug/l	<5.0	---	---
Bromoform, ug/l	<5.0	---	---
2-Hexanone, ug/l	<25	---	---
4-Methyl-2-pentanone (MIBK), ug/l	<25	---	---
Tetrachloroethene, ug/l	<5.0	---	---
Toluene, ug/l	<5.0	120 %	57-134 %
Chlorobenzene, ug/l	<5.0	112 %	52-145 %
Ethylbenzene, ug/l	<5.0	---	---
Styrene, ug/l	<5.0	---	---
Xylenes, ug/l	<5.0	---	---
Surrogate - Toluene-d8	108/108 %	106 %	59-133 %
Surrogate - 4-Bromofluorobenzene	108/110 %	106 %	60-136 %
Surrogate - Dibromofluoromethane	116/108 %	116 %	76-145 %
Date Analyzed	02.18.97	02.18.97	---
Dilution factor	1.0	1.0	---
Batch ID	0218B	0218B	---
Clock ID	1I/2I0218	1I0218	---

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70863-13	SL-6	02-13-97/1105
70863-14	SL-8	02-13-97/1130
70863-15	SL-10	02-13-97/1330
70863-16	Duplicate	02-13-97/1330
70863-17	SL-2	02-13-97/1025

PARAMETER	70863-13	70863-14	70863-15	70863-16	70863-17
Volatiles by GC/MS (8260)					
Chloromethane, ug/kg dw	<12	<12	<11	<11	<13
Bromomethane, ug/kg dw	<12	<12	<11	<11	<13
Vinyl chloride, ug/kg dw	<12	<12	<11	<11	<13
Chloroethane, ug/kg dw	<12	22	<11	<11	<13
Methylene chloride (Dichloromethane), ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Acetone, ug/kg dw	<60	<60	<57	<57	<66
Carbon disulfide, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
1,1-Dichloroethene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
1,1-Dichloroethane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Cis/Trans-1,2-Dichloroethene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Chloroform, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
1,2-Dichloroethane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
2-Butanone (MEK), ug/kg dw	<30	<30	<28	<29	<33
1,1,1-Trichloroethane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Carbon tetrachloride, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Bromodichloromethane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70863-13	SL-6	02-13-97/1105
70863-14	SL-8	02-13-97/1130
70863-15	SL-10	02-13-97/1330
70863-16	Duplicate	02-13-97/1330
70863-17	SL-2	02-13-97/1025

PARAMETER	70863-13	70863-14	70863-15	70863-16	70863-17
1,1,2,2-Tetrachloroethane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
1,2-Dichloropropane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
trans-1,3-Dichloropropene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Trichloroethene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Dibromochloromethane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
1,1,2-Trichloroethane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Benzene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
cis-1,3-Dichloropropene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Bromoform, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
2-Hexanone, ug/kg dw	<30	<30	<28	<29	<33
4-Methyl-2-pentanone (MIBK), ug/kg dw	<30	<30	<28	<29	<33
Tetrachloroethene, ug/kg dw	<6.0	16	<5.7	<5.7	<6.6
Toluene, ug/kg dw	9.8	59	8.8	8.6	<6.6
Chlorobenzene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Ethylbenzene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Styrene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70863-13	SL-6	02-13-97/1105
70863-14	SL-8	02-13-97/1130
70863-15	SL-10	02-13-97/1330
70863-16	Duplicate	02-13-97/1330
70863-17	SL-2	02-13-97/1025

PARAMETER	70863-13	70863-14	70863-15	70863-16	70863-17
Xylenes, ug/kg dw	<6.0	8.8	<5.7	<5.7	<6.6
Surrogate - Toluene-d8	93 %	95 %	98 %	98 %	95 %
Surrogate - 4-Bromofluorobenzene	105 %	110 %	105 %	109 %	103 %
Surrogate - Dibromofluoromethane	150 %	145 %	153 %	153 %	148 %
Date Analyzed	02.17.97	02.17.97	02.17.97	02.17.97	02.17.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0214A	0214A	0214A	0214A	0214A
Clock ID	1I0217	1I0217	1I0217	1I0217	1I0217
Percent Solids (160.3), %	83	83	88	87	76

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70863-18	SL-5	02-13-97/1055
70863-19	SL-1	02-13-97/1010
70863-20	SL-3	02-13-97/1035
70863-21	SL-7	02-13-97/1120
70863-22	SL-4	02-13-97/1045

PARAMETER	70863-18	70863-19	70863-20	70863-21	70863-22
Lead (6010)					
Lead (6010), mg/kg dw	1100	580	930	1400	690
Preparation Date	02.17.97	02.17.97	02.17.97	02.17.97	02.17.97
Date Analyzed	02.18.97	02.18.97	02.18.97	02.18.97	02.18.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0217A	0217A	0217A	0217A	0217A
Percent Solids (160.3), %	86	86	85	88	82

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70863-23	SL-9	02-13-97/1150
70863-24	SL-11	02-13-97/1345
70863-25	MW-1	02-13-97/0920
70863-26	MW-2	02-13-97/0940
70863-27	MW-3	02-13-97/0950

PARAMETER	70863-23	70863-24	70863-25	70863-26	70863-27
Lead (6010)					
Lead (6010), mg/kg dw	5.5	46	360	1500	14
Preparation Date	02.17.97	02.17.97	02.17.97	02.17.97	02.17.97
Date Analyzed	02.18.97	02.18.97	02.18.97	02.18.97	02.18.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0217A	0217A	0217A	0217A	0217A
Percent Solids (160.3), %	93	78	81	81	90

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
70863-28	Method Blank
70863-29	Lab Control Standard (LCS) % Recovery
70863-30	LCS Control Limits

PARAMETER	70863-28	70863-29	70863-30
Volatiles by GC/MS (8260)			
Chloromethane, ug/kg dw	<10	---	---
Bromomethane, ug/kg dw	<10	---	---
Vinyl chloride, ug/kg dw	<10	---	---
Chloroethane, ug/kg dw	<10	---	---
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	---	---
Acetone, ug/kg dw	<50	---	---
Carbon disulfide, ug/kg dw	<5.0	---	---
1,1-Dichloroethene, ug/kg dw	<5.0	116 %	50-177 %
1,1-Dichloroethane, ug/kg dw	<5.0	---	---
Cis/Trans-1,2-Dichloroethene, ug/kg dw	<5.0	---	---
Chloroform, ug/kg dw	<5.0	---	---
1,2-Dichloroethane, ug/kg dw	<5.0	---	---
2-Butanone (MEK), ug/kg dw	<25	---	---
1,1,1-Trichloroethane, ug/kg dw	<5.0	---	---
Carbon tetrachloride, ug/kg dw	<5.0	---	---
Bromodichloromethane, ug/kg dw	<5.0	---	---
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	---	---

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID		
70863-28	Method Blank		
70863-29	Lab Control Standard (LCS) % Recovery		
70863-30	LCS Control Limits		

PARAMETER	70863-28	70863-29	70863-30
1,2-Dichloropropane, ug/kg dw	<5.0	---	---
trans-1,3-Dichloropropene, ug/kg dw	<5.0	---	---
Trichloroethene, ug/kg dw	<5.0	98 %	41-134 %
Dibromochloromethane, ug/kg dw	<5.0	---	---
1,1,2-Trichloroethane, ug/kg dw	<5.0	---	---
Benzene, ug/kg dw	<5.0	120 %	66-137 %
cis-1,3-Dichloropropene, ug/kg dw	<5.0	---	---
Bromoform, ug/kg dw	<5.0	---	---
2-Hexanone, ug/kg dw	<25	---	---
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	---	---
Tetrachloroethene, ug/kg dw	<5.0	---	---
Toluene, ug/kg dw	<5.0	116 %	60-144 %
Chlorobenzene, ug/kg dw	<5.0	112 %	63-139 %
Ethylbenzene, ug/kg dw	<5.0	---	---
Styrene, ug/kg dw	<5.0	---	---
Xylenes, ug/kg dw	<5.0	---	---
Surrogate - Toluene-d8	100 %	98 %	67-143 %
Surrogate - 4-Bromofluorobenzene	98 %	98 %	43-153 %
Surrogate - Dibromofluoromethane	156 %	152 %	73-165 %
Date Analyzed	02.17.97	02.17.97	---
Dilution factor	1.0	1.0	---
Batch ID	0214A	0214A	---
Clock ID	1I0217	1I0217	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-70863
Received: 13 FEB 97
Reported: 21 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
70863-28	Method Blank
70863-29	Lab Control Standard (LCS) % Recovery
70863-30	LCS Control Limits

PARAMETER	70863-28	70863-29	70863-30
Lead (6010)			
Lead (6010), mg/kg dw	<0.50	102 %	70-130 %
Preparation Date	02.17.97	---	---
Date Analyzed	02.18.97	---	---
Dilution factor	1.0	---	---
Batch ID	0217A	---	---

Methods: EPA SW-846

Lisa G. McLeod, Project Manager

Final Page Of Report

912-352-0165 FR: cPAUL GOLDER initialed & dated Serial Number 67725

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☐ 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-3994
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 Phone: (305) 421-7400 Fax: (305) 421-2564
☐ 900 Lakeside Drive, Mobile, AL 36693 Phone: (205) 666-6633 Fax: (205) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 784-1100 Fax: (504) 725-1163

PROJECT REFERENCE | PROJECT NO. | P.O. NUMBER | MATRIX TYPE | REQUIRED ANALYSES | PAGE 2 OF 2

PROJECT LOC. (city) | SAMPLER(s) NAME | PHONE | FAX

CLIENT NAME: Golder | CLIENT PROJECT MANAGER

CLIENT ADDRESS (CITY, STATE, ZIP)

STANDARD REPORT DELIVERY ☐ EXPEDITED REPORT DELIVERY (surcharge) ☐ Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMI-SOLID	AIR	NONAQUEOUS LIQUID (e.g. SOLVENT)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-13	10:55		SL-5	X				1	
2-13	10:10		SL-1	X				1	
2-13	10:35		SL-3	X				1	
2-13	11:20		SL-7	X				1	
2-13	10:45		SL-4	X				1	
2-13	11:50		SL-9	X				1	
2-13	13:45		SL-11	X				1	
2-13	9:20		HW-1	X				1	
2-13	9:40		HW-2	X				1	
2-13	9:50		HW-3	X				1	

6010 - Pb

Analyze 1 TCLP for Lead including QA/QC per Chris Paul. Fax 2/14/97

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				2-13	16:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
M. Shumb	2/13/97	4:00	☑ YES ☐ NO		70863	1 set of TCLP last analyzed on Col. Qual 2/14/97 TEMP 5.7 CP 2/14/97

ORIGINAL

P.02 TO 19123520165 P001/001 02-14-97 10:12AM P002 #18
FEB-14-1997 10:14 SAVANNAH LABS 02-14-97 11:44AM R=98%

Serial number 5112

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

☐ 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 Phone: (305) 421-7400 Fax: (305) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 Phone: (205) 666-6633 Fax: (205) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: 6010 - T(Pb)

PAGE 2 OF 2

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-13	10:55		SL-5		X				1	
2-13	10:10		SL-1		X				1	Analyze 1 TB for this sampling event per Chris Paul. DMac 2/14/97
2-13	10:35		SL-3		X				1	
2-13	11:20		SL-7		X				1	
2-13	10:45		SL-4		X				1	
2-13	11:50		SL-9		X				1	
2-13	13:45		SL-11		X				1	
2-13	9:20		HW-1		X				1	
2-13	9:40		HW-2		X				1	
2-13	9:50		HW-3		X				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
NERS				2-13	16:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
NERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SL LOG NO	LABORATORY REMARKS
M Jancomb	2/13/97	4:00	☑ YES ☐ NO		70863 SL-70863	2 sets of TB's not indicated on COC. DMac 2/14/97 Temp 5.7

ORIGINAL

F360L

P001

COMMUNICATION RESULT REPORT

02-26-97 03:28PM

FILE	DATE & TIME	FILE TYPE	DELAYED	DESTINATION/TO:/FROM:	PAGE	REMARKS	SIZE
35	02-26 03:27PM	MEMORY-S		TO :19123520165	01		0050

NO.	PHONE / TTI NO.	COMM MODE	RESULT	NO.	PHONE / TTI NO.	COMM MODE	RESULT
001	19123520165		GOOD				

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- ☒ 5102 LaRoche Avenue, Savannah, GA 31404
- ☐ 2846 Industrial Plaza Drive, Tallahassee, FL 323
- ☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442
- ☐ 900 Lakeside Drive, Mobile, AL 36693
- ☐ 6712 Benjamin Road, Suite 100, Tampa, FL 336
- ☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TO: Lisa McCloud

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA		770-496-1893	

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	Lisa McCloud

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED: 8260 (VOC) / 6010-T (Pb)

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUB						
2-13	15:25		SW-1	X				2						
2-12	15:15		W-4	X				2						
2-12	14:40		W-5	X				2						
2-13	15:30		GW-3	X				2						
2-12	14:20		X4	X				2						
2-12	15:20		Duplicate	X				1						
2-13	15:15		Field Blank	X				2						
2-13	15:45		GW-1	X				1						
2-13	11:15		SL-6		X			1	1					
2-13	11:30		SL-8		X			1	1					
2-13	13:30		SL-10		X			1	1					
2-13	13:30		Duplicate		X			1	1					
2-13	10:25		SL-2		X			1	1					

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHE
Sharon Campbell	2/7/97	5:30	[signature]	2-13	16:40	
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORAT
[signature]	2/13/97	4:00	☑ YES ☐ NO		ST 70863	

SL **SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.**

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☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TO: Lisa McCloud

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA		770-496-1893	

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	Lisa McCloud

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: 8260 (VOC) / 6010-T (Pb)

PAGE 1 OF 2

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED (8260 / 6010-T)
2-13	15:25		SW-1	X				2
2-12	15:15		W-4	X				2
2-12	14:40		W-5	X				2
2-13	15:30		GW-3	X				2
2-12	14:20		X4	X				2
2-12	15:20		Duplicate	X				1
2-13	15:15		Field Blank	X				2
2-13	15:45		GW-1	X				1
2-13	11:05		SL-6		X			1 / 1
2-13	11:30		SL-8		X			1 / 1
2-13	13:30		SL-10		X			1 / 1
2-13	13:30		Duplicate		X			1 / 1
2-13	10:25		SL-2		X			1 / 1

REMARKS

* please do lead analyses that were incorrectly requested as VOCs. cPaul

Limited well volume - only 1 sample

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Shawn Campbell	2/17/97	5:30		2-13	16:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
M. Jamond	2/13/97	1:00	☑ YES ☐ NO		97 70863	Temp 5.7

Serial Number 1942

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA		770-496-1893	

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	Lisa McCloud

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: 8260 (VOC) / 6010-T (PB)

PRESERVATIVE

PAGE 1 OF 2

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-13	15:25		SW-1	X				2	
2-12	15:15		W-4	X				2	
2-12	14:40		W-5	X				2	
2-13	15:30		GW-3	X				2	
2-12	14:20		XY	X				2	
2-12	15:20		Duplicate	X				1	
2-13	15:15		Field Blank	X				2	
2-13	15:45		GW-1	X				1	Limited well volume - only 1 sample
2-13	11:05		SL-6		X			1	
2-13	11:30		SL-8		X			1	
2-13	13:30		SL-10		X			1	
2-13	13:30		Duplicate		X			1	
2-13	10:25		SL-2		X			1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Shawn Campbell	2/17/97	5:30		2-13	16:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
M. Jancomb	2/13/97	1:00	☑ YES ☐ NO		97-70863	Temp 5.7

ORIGINAL

Serial Number 0776

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (305) 421-7400 — Fax: (305) 421-2584
900 Lakeside Drive, Mobile, AL 36693 — Phone: (205) 666-6633 — Fax: (205) 666-6696
6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX / TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc.)

REQUIRED ANALYSES: 6010 - T(Pb)

PAGE 2 OF 2

PRESERVATIVE

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-13	10:55		SL-5	X			1		
2-13	10:10		SL-1	X			1		
2-13	10:35		SL-3	X			1		
2-13	11:20		SL-7	X			1		
2-13	10:45		SL-4	X			1		
2-13	11:50		SL-9	X			1		
2-13	13:45		SL-11	X			1		
2-13	9:20		HW-1	X			1		
2-13	9:40		HW-2	X			1		
2-13	9:50		HW-3	X			1		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
CONTAINERS				2-13	16:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
M Saucomb	2/13/97	4:00	☑ YES ☐ NO		7086	

CLIENTS FIELD COPY

Serial Number 7400

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
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900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA		770-416-1873	

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	Lisa McCloud

CLIENT ADDRESS (CITY, STATE, ZIP): 120 Chamblee Tucker Rd, Atlanta GA

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: 8260 (VOC) / 6010-T (Pb) / PRESERVATIVE

PAGE 1 OF 2

STANDARD REPORT DELIVERY [X]

EXPEDITED REPORT DELIVERY(surcharge) [ ]

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	8260 (VOC)	6010-T (Pb)	PRESERVATIVE	REMARKS
2	15:25		SW-1	X			2	X			
2-12	15:15		W-4	X			2				
2-12	14:40		W-5	X			2				
2-12	15:30		GW-3	X			2				
2-12	14:20		X4	X			2				
2-12	15:20		Duplicate	X			1				
2-13	15:15		Field Blank	X			2				
2-13	15:45		GW-1	X			2				Limited well volume - only 1 sample
2-13	11:05		SL-6		X		1				
2-13	11:30		SL-8		X		1				
2-13	13:30		SL-10		X		1				
2-13	13:30		Duplicate		X		1				
2-13	12:25		SL-2		X		1				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Sharon Campbell	2/7/97	5:30		2-13	16:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
Jill Jamison	2/13/97	1:00	[X] YES [ ] NO		97-0863	

CLIENTS FIELD COPY

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-70863A
Received: 13 FEB 97
Reported: 28 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 101270228

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
70863A-1	SL-6	02-13-97/1105
70863A-2	SL-8	02-13-97/1130
70863A-3	SL-10	02-13-97/1330
70863A-4	Duplicate	02-13-97/1330
70863A-5	SL-2	02-13-97/1025

PARAMETER	70863A-1	70863A-2	70863A-3	70863A-4	70863A-5
Lead (6010)					
Lead (6010), mg/kg dw	480	1300	24	30	1400
Preparation Date	02.26.97	02.26.97	02.26.97	02.26.97	02.26.97
Date Analyzed	02.27.97	02.27.97	02.27.97	02.27.97	02.27.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0226C	0226C	0226C	0226C	0226C
Percent Solids (160.3), %	83 %	83 %	88 %	87 %	76 %

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LOG NO: S7-70863A
Received: 13 FEB 97
Reported: 28 FEB 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 101270228

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
70863A-6	Method Blank Soil
70863A-7	Lab Control Standard (LCS) % Recovery
70863A-8	LCS Control Limits

PARAMETER	70863A-6	70863A-7	70863A-8
Lead (6010)			
Lead (6010), mg/kg dw	<0.50	100 %	70-130 %
Preparation Date	02.26.97	---	---
Date Analyzed	02.27.97	---	---
Dilution factor	1.0	---	---
Batch ID	0226C	---	---

Methods: EPA SW-846

Lisa McLeod
Lisa G. McLeod, Project Manager

SW

Final Page Of Report

Se[illegible]mber 49[illegible]

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☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TO: Lisa McCloud

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Savannah	953-3825	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA		770-496-1893	

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	Lisa McCloud

CLIENT ADDRESS (CITY, STATE ZIP): 3730 Chamblee Tucker Rd Atlanta GA

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc.)

REQUIRED ANALYSES: 8260C (VOC) / 6010-TCLP

PAGE 1 OF 2

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc.)	NUMBER OF CONTAINERS SUBMITTED								REMARKS
2-13	15:25		SW-1	X				2								* please do lead analyses that were incorrectly requested for VOCs. -Paul
2-12	15:15		W-4	X				2								
2-12	14:40		W-5	X				2								
2-13	15:30		GW-3	X				2								
2-12	14:20		X4	X				2								
2-12	15:20		Duplicate	X				1								
2-13	15:15		Field Blank	X				2								
2-13	15:45		GW-1	X				1								Limited well volume - only 1 sample
2-13	11:05		SL-6		X			1	1							
2-13	11:30		SL-8		X			1	1							
2-13	13:30		SL-10		X			1	1							
2-13	13:30		Duplicate		X			1	1							
2-13	10:25		SL-2		X			1	1							

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Shawn Campbell	2/7/97	5:30		2-13	16:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
[illegible]	2/13/97	4:00	☑ YES ☐ NO		97-03631	[illegible]

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LOG NO: S7-71707
Received: 27 MAR 97
Reported: 08 APR 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-1	SL-12	03-26-97/0910
71707-2	SL-13	03-26-97/0920
71707-3	SL-14	03-26-97/0925
71707-4	SL-15	03-26-97/0935
71707-5	SL-16	03-26-97/0940

PARAMETER	71707-1	71707-2	71707-3	71707-4	71707-5
Lead (6010)					
Lead (6010), mg/kg dw	4600	120	110	190	250
Preparation Date	03.28.97	03.28.97	03.28.97	03.28.97	03.28.97
Date Analyzed	03.31.97	03.31.97	03.31.97	03.31.97	03.31.97
Dilution factor	5.0	1.0	1.0	1.0	1.0
Batch ID	0328A	0328A	0328A	0328A	0328A
Percent Solids (160.3), %	82	83	90	94	93

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-6	SL-17	03-26-97/0950
71707-7	SL-18	03-26-97/1000
71707-8	SL-19	03-26-97/1015
71707-9	SL-20	03-26-97/1025
71707-10	SL-21	03-26-97/1100

PARAMETER	71707-6	71707-7	71707-8	71707-9	71707-10
Lead (6010)					
Lead (6010), mg/kg dw	3.1	140	12	390	15
Preparation Date	03.28.97	03.28.97	03.28.97	03.28.97	03.28.97
Date Analyzed	04.01.97	03.31.97	03.31.97	03.31.97	03.31.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0328A	0328A	0328A	0328A	0328A
Percent Solids (160.3), %	96	78	88	89	84

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-11	SL-22	03-26-97/1110
71707-12	SL-23	03-26-97/1120
71707-13	SL-24	03-26-97/1127
71707-14	SL-25	03-26-97/1135
71707-15	SL-26	03-26-97/1143

PARAMETER	71707-11	71707-12	71707-13	71707-14	71707-15
Lead (6010)					
Lead (6010), mg/kg dw	19	84	60	57	190
Preparation Date	03.28.97	03.28.97	03.28.97	03.28.97	03.28.97
Date Analyzed	03.31.97	03.31.97	03.31.97	03.31.97	03.31.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0328A	0328A	0328A	0328A	0328A
Percent Solids (160.3), %	91	88	85	70	86

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-16	SL-27	03-26-97/1150
71707-17	SL-28	03-26-97/1240
71707-18	SL-29	03-26-97/1250
71707-19	SL-30	03-26-97/1300
71707-20	SL-31	03-26-97/1305

PARAMETER	71707-16	71707-17	71707-18	71707-19	71707-20
Lead (6010)					
Lead (6010), mg/kg dw	160	180	210	87	470
Preparation Date	03.28.97	03.28.97	03.28.97	03.28.97	03.28.97
Date Analyzed	03.31.97	03.31.97	03.31.97	03.31.97	03.31.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0328A	0328A	0328A	0328A	0328A
Percent Solids (160.3), %	82	86	88	87	81

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Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-21	SL-32	03-26-97/1310
71707-22	SL-33	03-26-97/1320
71707-23	SL-34	03-26-97/1328
71707-24	SL-35	03-26-97/1430
71707-25	SL-BK1	03-27-97/0830

PARAMETER	71707-21	71707-22	71707-23	71707-24	71707-25
Lead (6010)					
Lead (6010), mg/kg dw	34	250	130	960	88
Preparation Date	03.28.97	03.28.97	03.28.97	03.28.97	03.28.97
Date Analyzed	03.31.97	03.31.97	03.31.97	03.31.97	03.31.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0328B	0328B	0328B	0328B	0328B
Percent Solids (160.3), %	89	81	88	88	87

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Received: 27 MAR 97
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Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-26	SL-BK2	03-27-97/0900
71707-27	VSL-1-1	03-27-97/1105
71707-28	VSL-1-2	03-27-97/1110
71707-29	VSL-1-3	03-27-97/1115
71707-30	Duplicate 1-SL	03-26-97/0940

PARAMETER	71707-26	71707-27	71707-28	71707-29	71707-30
Lead (6010)					
Lead (6010), mg/kg dw	43	2.0	1.8	1.6	280
Preparation Date	03.28.97	03.28.97	03.28.97	03.28.97	03.28.97
Date Analyzed	03.31.97	04.01.97	04.01.97	04.01.97	03.31.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0328B	0328B	0328B	0328B	0328B
Percent Solids (160.3), %	81	86	86	83	95

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3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-31	Duplicate 2-SL	03-26-97/1150
71707-32	Duplicate 3-SL	03-26-97/1425
71707-33	VSL-2-1	03-27-97/1130
71707-34	VSL-2-2	03-27-97/1135
71707-35	VSL-2-3	03-27-97/1140

PARAMETER	71707-31	71707-32	71707-33	71707-34	71707-35
Lead (6010)					
Lead (6010), mg/kg dw	120	13	22	12	4.8
Preparation Date	03.28.97	03.28.97	03.28.97	03.28.97	03.28.97
Date Analyzed	03.31.97	03.31.97	03:31.97	03.31.97	04.01.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0328B	0328B	0328B	0328B	0328B
Percent Solids (160.3), %	83	93	89	87	88

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3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
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Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-36	SP-4	03-27-97/0925
71707-37	SP-5	03-27-97/0935
71707-38	SP-6	03-27-97/0955

PARAMETER	71707-36	71707-37	71707-38
Lead (6010)			
Lead (6010), mg/kg dw	310	350	210
Preparation Date	03.28.97	03.28.97	03.28.97
Date Analyzed	03.31.97	03.31.97	03.31.97
Dilution factor	1.0	1.0	1.0
Batch ID	0328B	0328B	0328B
Percent Solids (160.3), %	88	84	84

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Ms. Chris Paul
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3730 Chamblee Tucker Road
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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-39	SP-1	03-27-97/1005
71707-40	SP-2	03-27-97/1008
71707-41	SP-3	03-27-97/0955
71707-42	GW2-1	03-25-97/1030
71707-43	GW2-2	03-25-97/1040

PARAMETER	71707-39	71707-40	71707-41	71707-42	71707-43
Volatiles by GC/MS (8260)					
Chloromethane, ug/kg dw	<12	<14	<13	<13	<13
Bromomethane, ug/kg dw	<12	<14	<13	<13	<13
Vinyl chloride, ug/kg dw	<12	<14	<13	<13	<13
Chloroethane, ug/kg dw	<12	<14	<13	<13	<13
Methylene chloride (Dichloromethane), ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Acetone, ug/kg dw	<61	<68	<64	<67	<65
Carbon disulfide, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
1,1-Dichloroethene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
1,1-Dichloroethane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Cis/Trans-1,2-Dichloroethene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Chloroform, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
1,2-Dichloroethane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
2-Butanone (MEK), ug/kg dw	<30	<34	<32	<33	<32
1,1,1-Trichloroethane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Carbon tetrachloride, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Bromodichloromethane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5

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Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-39	SP-1	03-27-97/1005
71707-40	SP-2	03-27-97/1008
71707-41	SP-3	03-27-97/0955
71707-42	GW2-1	03-25-97/1030
71707-43	GW2-2	03-25-97/1040

PARAMETER	71707-39	71707-40	71707-41	71707-42	71707-43
1,1,2,2-Tetrachloroethane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
1,2-Dichloropropane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
trans-1,3-Dichloropropene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Trichloroethene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Dibromochloromethane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
1,1,2-Trichloroethane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Benzene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
cis-1,3-Dichloropropene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Bromoform, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
2-Hexanone, ug/kg dw	<30	<34	<32	<33	<32
4-Methyl-2-pentanone (MIBK), ug/kg dw	<30	<34	<32	<33	<32
Tetrachloroethene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Toluene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Chlorobenzene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Ethylbenzene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Styrene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-39	SP-1	03-27-97/1005
71707-40	SP-2	03-27-97/1008
71707-41	SP-3	03-27-97/0955
71707-42	GW2-1	03-25-97/1030
71707-43	GW2-2	03-25-97/1040

PARAMETER	71707-39	71707-40	71707-41	71707-42	71707-43
Xylenes, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5
Surrogate - Toluene-d8	93 %	97 %	97 %	97 %	98 %
Surrogate - 4-Bromofluorobenzene	118 %	106 %	119 %	101 %	112 %
Surrogate - Dibromofluoromethane	90 %	126 %	94 %	118 %	89 %
Date Analyzed	04.02.97	04.08.97	04.02.97	04.07.97	04.02.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0401A	0407D	0401A	0407D	0401A
Clock ID	1M0402	2L0407	1M0402	1L0407	1M0402
Percent Solids (160.3), %	82	73	78	75	77

SL *SAVANNAH LABORATORIES*
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LOG NO: S7-71707
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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-44	GW2-3	03-25-97/1045
71707-45	GW2-4	03-25-97/1050
71707-46	GW2-5	03-25-97/1055
71707-47	GW2-6	03-25-97/1105
71707-48	GW2-7	03-25-97/1110

PARAMETER	71707-44	71707-45	71707-46	71707-47	71707-48
Volatiles by GC/MS (8260)					
Chloromethane, ug/kg dw	<12	<14	<11	<12	<15
Bromomethane, ug/kg dw	<12	<14	<11	<12	<15
Vinyl chloride, ug/kg dw	<12	<14	<11	<12	<15
Chloroethane, ug/kg dw	<12	<14	<11	<12	<15
Methylene chloride (Dichloromethane), ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Acetone, ug/kg dw	<59	<72	<57	<60	<77
Carbon disulfide, ug/kg dw	<5.9	<7.2	<5.7	<6.0	15
1,1-Dichloroethene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
1,1-Dichloroethane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Cis/Trans-1,2-Dichloroethene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Chloroform, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
1,2-Dichloroethane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
2-Butanone (MEK), ug/kg dw	<29	<36	<29	<30	<38
1,1,1-Trichloroethane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Carbon tetrachloride, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Bromodichloromethane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7

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Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-44	GW2-3	03-25-97/1045
71707-45	GW2-4	03-25-97/1050
71707-46	GW2-5	03-25-97/1055
71707-47	GW2-6	03-25-97/1105
71707-48	GW2-7	03-25-97/1110

PARAMETER	71707-44	71707-45	71707-46	71707-47	71707-48
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
1,2-Dichloropropane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
trans-1,3-Dichloropropene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Trichloroethene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Dibromochloromethane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
1,1,2-Trichloroethane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Benzene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
cis-1,3-Dichloropropene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Bromoform, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
2-Hexanone, ug/kg dw	<29	<36	<29	<30	<38
4-Methyl-2-pentanone (MIBK), ug/kg dw	<29	<36	<29	<30	<38
Tetrachloroethene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Toluene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Chlorobenzene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Ethylbenzene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Styrene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7

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Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-44	GW2-3	03-25-97/1045
71707-45	GW2-4	03-25-97/1050
71707-46	GW2-5	03-25-97/1055
71707-47	GW2-6	03-25-97/1105
71707-48	GW2-7	03-25-97/1110

PARAMETER	71707-44	71707-45	71707-46	71707-47	71707-48
Xylenes, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7
Surrogate - Toluene-d8	97 %	97 %	98 %	98 %	96 %
Surrogate - 4-Bromofluorobenzene	110 %	107 %	112 %	110 %	117 %
Surrogate - Dibromofluoromethane	90 %	136 %	91 %	88 %	91 %
Date Analyzed	04.02.97	04.08.97	04.02.97	04.02.97	04.02.97
Dilution factor	1.0	1.0	1.0	1.0	1.0
Batch ID	0401A	0407D	0401A	0401A	0401A
Clock ID	1M0402	2L0407	1M0402	1M0402	1M0402
Percent Solids (160.3), %	85	69	87	84	65

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Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-49	GW2-8	03-25-97/1115
71707-50	GW2-Duplicate	03-25-97/1120

PARAMETER	71707-49	71707-50
Volatiles by GC/MS (8260)		
Chloromethane, ug/kg dw	<13	<14
Bromomethane, ug/kg dw	<13	<14
Vinyl chloride, ug/kg dw	<13	<14
Chloroethane, ug/kg dw	<13	<14
Methylene chloride (Dichloromethane), ug/kg dw	<6.4	<7.2
Acetone, ug/kg dw	<64	<72
Carbon disulfide, ug/kg dw	<6.4	<7.2
1,1-Dichloroethene, ug/kg dw	<6.4	<7.2
1,1-Dichloroethane, ug/kg dw	<6.4	<7.2
Cis/Trans-1,2-Dichloroethene, ug/kg dw	<6.4	<7.2
Chloroform, ug/kg dw	<6.4	<7.2
1,2-Dichloroethane, ug/kg dw	<6.4	<7.2
2-Butanone (MEK), ug/kg dw	<32	<36
1,1,1-Trichloroethane, ug/kg dw	<6.4	<7.2
Carbon tetrachloride, ug/kg dw	<6.4	<7.2
Bromodichloromethane, ug/kg dw	<6.4	<7.2
1,1,2,2-Tetrachloroethane, ug/kg dw	<6.4	<7.2
1,2-Dichloropropane, ug/kg dw	<6.4	<7.2

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Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-49	GW2-8	03-25-97/1115
71707-50	GW2-Duplicate	03-25-97/1120

PARAMETER	71707-49	71707-50
trans-1,3-Dichloropropene, ug/kg dw	<6.4	<7.2
Trichloroethene, ug/kg dw	<6.4	<7.2
Dibromochloromethane, ug/kg dw	<6.4	<7.2
1,1,2-Trichloroethane, ug/kg dw	<6.4	<7.2
Benzene, ug/kg dw	<6.4	<7.2
cis-1,3-Dichloropropene, ug/kg dw	<6.4	<7.2
Bromoform, ug/kg dw	<6.4	<7.2
2-Hexanone, ug/kg dw	<32	<36
4-Methyl-2-pentanone (MIBK), ug/kg dw	<32	<36
Tetrachloroethene, ug/kg dw	<6.4	<7.2
Toluene, ug/kg dw	<6.4	9.4
Chlorobenzene, ug/kg dw	<6.4	<7.2
Ethylbenzene, ug/kg dw	<6.4	<7.2
Styrene, ug/kg dw	<6.4	<7.2
Xylenes, ug/kg dw	<6.4	<7.2
Surrogate - Toluene-d8	98 %	97 %
Surrogate - 4-Bromofluorobenzene	106 %	108 %
Surrogate - Dibromofluoromethane	125 %	124 %
Date Analyzed	04.08.97	04.08.97
Dilution factor	1.0	1.0
Batch ID	0407D	0407D
Clock ID	2L0407	2L0407

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707-49	GW2-8	03-25-97/1115
71707-50	GW2-Duplicate	03-25-97/1120

PARAMETER	71707-49	71707-50
Percent Solids (160.3), %	78	69

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Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
71707-51	Method Blank Soil
71707-52	Lab Control Standard (LCS) % Recovery
71707-53	LCS Control Limits
71707-60	Method Blank Soil
71707-61	Method Blank Soil

PARAMETER	71707-51	71707-52	71707-53	71707-60	71707-61
Volatiles by GC/MS (8260)					
Chloromethane, ug/kg dw	<10	---	---	<10	<10
Bromomethane, ug/kg dw	<10	---	---	<10	<10
Vinyl chloride, ug/kg dw	<10	---	---	<10	<10
Chloroethane, ug/kg dw	<10	---	---	<10	<10
Methylene chloride (Dichloromethane), ug/kg dw	<5.0	---	---	<5.0	<5.0
Acetone, ug/kg dw	<50	---	---	<50	<50
Carbon disulfide, ug/kg dw	<5.0	---	---	<5.0	<5.0
1,1-Dichloroethene, ug/kg dw	<5.0	90 %	50-177 %	<5.0	<5.0
1,1-Dichloroethane, ug/kg dw	<5.0	---	---	<5.0	<5.0
Cis/Trans-1,2-Dichloroethene, ug/kg dw	<5.0	---	---	<5.0	<5.0
Chloroform, ug/kg dw	<5.0	---	---	<5.0	<5.0
1,2-Dichloroethane, ug/kg dw	<5.0	---	---	<5.0	<5.0
2-Butanone (MEK), ug/kg dw	<25	---	---	<25	<25
1,1,1-Trichloroethane, ug/kg dw	<5.0	---	---	<5.0	<5.0
Carbon tetrachloride, ug/kg dw	<5.0	---	---	<5.0	<5.0
Bromodichloromethane, ug/kg dw	<5.0	---	---	<5.0	<5.0

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
71707-51	Method Blank Soil
71707-52	Lab Control Standard (LCS) % Recovery
71707-53	LCS Control Limits
71707-60	Method Blank Soil
71707-61	Method Blank Soil

PARAMETER	71707-51	71707-52	71707-53	71707-60	71707-61
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0	---	---	<5.0	<5.0
1,2-Dichloropropane, ug/kg dw	<5.0	---	---	<5.0	<5.0
trans-1,3-Dichloropropene, ug/kg dw	<5.0	---	---	<5.0	<5.0
Trichloroethene, ug/kg dw	<5.0	110 %	41-134 %	<5.0	<5.0
Dibromochloromethane, ug/kg dw	<5.0	---	---	<5.0	<5.0
1,1,2-Trichloroethane, ug/kg dw	<5.0	---	---	<5.0	<5.0
Benzene, ug/kg dw	<5.0	106 %	66-137 %	<5.0	<5.0
cis-1,3-Dichloropropene, ug/kg dw	<5.0	---	---	<5.0	<5.0
Bromoform, ug/kg dw	<5.0	---	---	<5.0	<5.0
2-Hexanone, ug/kg dw	<25	---	---	<25	<25
4-Methyl-2-pentanone (MIBK), ug/kg dw	<25	---	---	<25	<25
Tetrachloroethene, ug/kg dw	<5.0	---	---	<5.0	<5.0
Toluene, ug/kg dw	<5.0	112 %	60-144 %	<5.0	<5.0
Chlorobenzene, ug/kg dw	<5.0	108 %	63-139 %	<5.0	<5.0
Ethylbenzene, ug/kg dw	<5.0	---	---	<5.0	<5.0
Styrene, ug/kg dw	<5.0	---	---	<5.0	<5.0

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REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
71707-51	Method Blank Soil
71707-52	Lab Control Standard (LCS) % Recovery
71707-53	LCS Control Limits
71707-60	Method Blank Soil
71707-61	Method Blank Soil

PARAMETER	71707-51	71707-52	71707-53	71707-60	71707-61
Xylenes, ug/kg dw	<5.0	---	---	<5.0	<5.0
Surrogate - Toluene-d8	98 %	100 %	67-143 %	84 %	98 %
Surrogate - 4-Bromofluorobenzene	110 %	112 %	43-153 %	102 %	110 %
Surrogate - Dibromofluoromethane	88 %	88 %	73-165 %	116 %	130 %
Date Analyzed	04.02.97	04.02.97	---	04.07.97	04.08.97
Dilution factor	1.0	1.0	---	1.0	1.0
Batch ID	0401A	0401A	---	0407D	0407D
Clock ID	1M0402	1M0402	---	1L0407	2L0407
Lead (6010)					
Lead (6010), mg/kg dw	<0.50	94 %	70-130 %		
Preparation Date	03.28.97	---	---		
Date Analyzed	04.01.97	---	---		
Dilution factor	1.0	---	---		
Batch ID	0328B	---	---		

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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
71707-54	GW-2	03-27-97/1330
71707-55	MW-5	03-27-97/1400
71707-56	Dup	03-27-97/1330

PARAMETER	71707-54	71707-55	71707-56
Volatiles by GC/MS (8260)			
Chloromethane, ug/l	<10	<10	<10
Bromomethane, ug/l	<10	<10	<10
Vinyl chloride, ug/l	<10	<10	<10
Chloroethane, ug/l	<10	<10	<10
Methylene chloride (Dichloromethane), ug/l	<5.0	<5.0	<5.0
Acetone, ug/l	<50	<50	<50
Carbon disulfide, ug/l	<5.0	<5.0	<5.0
1,1-Dichloroethene, ug/l	<5.0	<5.0	<5.0
1,1-Dichloroethane, ug/l	<5.0	5.4	<5.0
Cis/Trans-1,2-Dichloroethene, ug/l	<5.0	<5.0	<5.0
Chloroform, ug/l	<5.0	<5.0	<5.0
1,2-Dichloroethane, ug/l	<5.0	<5.0	<5.0
2-Butanone (MEK), ug/l	<25	<25	<25
1,1,1-Trichloroethane, ug/l	<5.0	<5.0	<5.0
Carbon tetrachloride, ug/l	<5.0	<5.0	<5.0
Bromodichloromethane, ug/l	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane, ug/l	<5.0	<5.0	<5.0
1,2-Dichloropropane, ug/l	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene, ug/l	<5.0	<5.0	<5.0

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Ms. Chris Paul
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Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 14027049

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
71707-54	GW-2	03-27-97/1330
71707-55	MW-5	03-27-97/1400
71707-56	Dup	03-27-97/1330

PARAMETER	71707-54	71707-55	71707-56
Trichloroethene, ug/l	<5.0	<5.0	<5.0
Dibromochloromethane, ug/l	<5.0	<5.0	<5.0
1,1,2-Trichloroethane, ug/l	<5.0	<5.0	<5.0
Benzene, ug/l	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene, ug/l	<5.0	<5.0	<5.0
Bromoform, ug/l	<5.0	<5.0	<5.0
2-Hexanone, ug/l	<25	<25	<25
4-Methyl-2-pentanone (MIBK), ug/l	<25	<25	<25
Tetrachloroethene, ug/l	<5.0	<5.0	<5.0
Toluene, ug/l	<5.0	<5.0	<5.0
Chlorobenzene, ug/l	<5.0	<5.0	<5.0
Ethylbenzene, ug/l	<5.0	<5.0	<5.0
Styrene, ug/l	<5.0	<5.0	<5.0
Xylenes, ug/l	<5.0	<5.0	<5.0
Surrogate - Toluene-d8	98 %	98 %	100 %
Surrogate - 4-Bromofluorobenzene	96 %	98 %	100 %
Surrogate - Dibromofluoromethane	100 %	96 %	82 %
Date Analyzed	03.31.97	04.01.97	04.01.97
Dilution factor	1.0	1.0	1.0
Batch ID	0331B	0331B	0331B
Clock ID	1A0331	1A0331	1A0331

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Sampled By: Client
Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
71707-57	Method Blank Liquid
71707-58	Lab Control Standard (LCS) % Recovery
71707-59	LCS Control Limits

PARAMETER	71707-57	71707-58	71707-59
Volatiles by GC/MS (8260)			
Chloromethane, ug/l	<10	---	---
Bromomethane, ug/l	<10	---	---
Vinyl chloride, ug/l	<10	---	---
Chloroethane, ug/l	<10	---	---
Methylene chloride (Dichloromethane), ug/l	<5.0	---	---
Acetone, ug/l	<50	---	---
Carbon disulfide, ug/l	<5.0	---	---
1,1-Dichloroethene, ug/l	<5.0	132 %	18-181 %
1,1-Dichloroethane, ug/l	<5.0	---	---
Cis/Trans-1,2-Dichloroethene, ug/l	<5.0	---	---
Chloroform, ug/l	<5.0	---	---
1,2-Dichloroethane, ug/l	<5.0	---	---
2-Butanone (MEK), ug/l	<25	---	---
1,1,1-Trichloroethane, ug/l	<5.0	---	---
Carbon tetrachloride, ug/l	<5.0	---	---
Bromodichloromethane, ug/l	<5.0	---	---
1,1,2,2-Tetrachloroethane, ug/l	<5.0	---	---
1,2-Dichloropropane, ug/l	<5.0	---	---
trans-1,3-Dichloropropene, ug/l	<5.0	---	---

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Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
71707-57	Method Blank Liquid
71707-58	Lab Control Standard (LCS) % Recovery
71707-59	LCS Control Limits

PARAMETER	71707-57	71707-58	71707-59
Trichloroethene, ug/l	<5.0	104 %	48-145 %
Dibromochloromethane, ug/l	<5.0	---	---
1,1,2-Trichloroethane, ug/l	<5.0	---	---
Benzene, ug/l	<5.0	112 %	52-143 %
cis-1,3-Dichloropropene, ug/l	<5.0	---	---
Bromoform, ug/l	<5.0	---	---
2-Hexanone, ug/l	<25	---	---
4-Methyl-2-pentanone (MIBK), ug/l	<25	---	---
Tetrachloroethene, ug/l	<5.0	---	---
Toluene, ug/l	<5.0	106 %	57-134 %
Chlorobenzene, ug/l	<5.0	102 %	52-145 %
Ethylbenzene, ug/l	<5.0	---	---
Styrene, ug/l	<5.0	---	---
Xylenes, ug/l	<5.0	---	---
Surrogate - Toluene-d8	96 %	96 %	59-133 %
Surrogate - 4-Bromofluorobenzene	96 %	98 %	60-136 %
Surrogate - Dibromofluoromethane	108 %	108 %	76-145 %
Date Analyzed	03.31.97	03.31.97	---
Dilution factor	1.0	1.0	---
Batch ID	0331B	0331B	---
Clock ID	1A0331	1A0331	---

Methods: EPA SW-846

Lisa G. McLeod, Project Manager

Final Page Of Report

Serial Number 50000

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
953-3825 Savannah / Brampton Rd		

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Chris Hemingway	770-496-1893	

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	Chris Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent etc)

REQUIRED ANALYSES: Pb 6010-T

PAGE 1 OF 5

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3/26	9:10		SL-12	X				1	
"	9:20		SL-13	X				1	
	9:25		SL-14	X				1	
	9:35		SL-15	X				1	
	9:40		SL-16	X				1	
	9:50		SL-17	X				1	
	10:00		SL-18	X				1	
	10:15		SL-19	X				1	
	10:25		SL-20	X				1	
	11:00		SL-21	X				1	
	11:10		SL-22	X				1	
	11:20		SL-23	X				1	
	11:27		SL-24	X				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Sharon Campbell	3/27/97	5:45		3/27	13:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
O. Campbell	3/27/97	3:40	☑ YES ☐ NO		51-71707	

ORIGINAL

Serial number 19201

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☐ 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 Phone: (954) 421-7400 Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Gover	

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: Pb 6010-T

PRESERVATIVE

PAGE 2 OF 5

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3/26	11:35		SL-25		X			1	
	11:43		SL-26		X			1	
	11:50		SL-27		X			1	
	12:40		SL-28		X			1	
	12:50		SL-29		X			1	
	13:00		SL-30		X			1	
	13:05		SL-31		X			1	
	13:10		SL-32		X			1	
	13:20		SL-33		X			1	
	13:28		SL-34		X			1	
	14:30		SL-35		X			1	
			~~SL-36~~		X				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				3-27	15:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
D. Campbell	3/27/97	3:40	☑ YES ☐ NO		97-71707	

ORIGINAL

Serial Number 49205

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☐ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Calder	

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: Pb | 6010-T | 8260 VOCs

PAGE 3 OF 5

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3/27	8:30		SL-BK1		X			1	
3/27	9:00		SL-BK2		X			1	
3/27	11:05		VSL-1-1		X			1	
3/27	11:10		VSL-1-2		X			1	
3/27	11:15		VSL-1-3		X			1	
3/26	9:40		Duplicate 1-SL		X			1	
3/26	11:50		Duplicate 2-SL		X			1	
3/26	14:25		Duplicate 3-SL		X			1	
3/27	11:30		VSL-2-1		X			1	
3/27	11:35		VSL-2-2		X			1	
3/27	11:40		VSL-2-3		X			1	
3/27	10:05		SP-1		X			1	(soil)
3/27	10:08		SP-2		X			1	(soil)

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				3/27	15:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
T. Campbell	3/27/97	3:40	☑ YES ☐ NO		97-71707	

ORIGINAL

Serial Number 49200

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

☐ 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 Phone: (954) 421-7400 Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: 8260 VOCs; 6010-T Pb

PAGE 4 OF 5

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3/27	9:55		SP-3	X				1	
3/27	9:25		SP-4	X				1 oil	Pb 6010-T
3/27	9:35		SP-5	X				1 oil	Pb 6010-T
3/27	9:55		SP-6	X				1 oil	Pb 6010-T
3/25	10:30		GW 2-1	X				1	
3/25	10:40		GW 2-2	X				1	
3/25	10:45		GW 2-3	X				1	
3/25	10:50		GW 2-4	X				1	
3/25	10:55		GW 2-5	X				1	
3/25	11:05		GW 2-6	X				1	
3/25	11:10		GW 2-7	X				1	
3/25	11:15		GW 2-8	X				1	
3/25	11:20		GW-2-Duplicate	X				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				3-27	15:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
	3/27/97	3:40	☑ YES ☐ NO		971707	

ORIGINAL

Serial Number 49206

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☐ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 — Phone: (904) 878-3994 — Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 — Phone: (954) 421-7400 — Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 — Phone: (334) 666-6633 — Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 — Phone: (813) 885-7427 — Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 — Phone: (504) 764-1100 — Fax: (504) 725-1163

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX TYPE: AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: 8260 VOC's

PRESERVATIVE

PAGE 5 OF 5

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3/27	13:30		GW-2	X				3	
3/27	14:00		MW-5	X				2	
3/27	13:30		Dup	X				3	
3/27	16:00		Drill water	X				3	
			Trip Blank	X				3	

- Please analyze only after GW-2, and only if you have hits (or call first)

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				3-27	15:40			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
	3/27/97	3:40	☑ YES ☐ NO		51-71707	

ORIGINAL

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-71707A
Received: 05 JUN 97
Reported: 09 JUN 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 11577069

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
71707A-1	SL-12	03-26-97/0910
71707A-2	SL-20	03-26-97/1025
71707A-3	SL-31	03-26-97/1305
71707A-4	SL-35	03-26-97/1430

PARAMETER	71707A-1	71707A-2	71707A-3	71707A-4
Beryllium (6010)				
Beryllium (6010), mg/kg dw	<0.61	<0.56	<0.62	<0.57
Preparation Date	06.05.97	06.05.97	06.05.97	06.05.97
Date Analyzed	06.06.97	06.06.97	06.06.97	06.06.97
Dilution factor	1.0	1.0	1.0	1.0
Batch ID	0605M	0605M	0605M	0605M
Percent Solids (160.3), %	82 %	89 %	81 %	88 %

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-71707A
Received: 05 JUN 97
Reported: 09 JUN 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 14167069

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED
71707A-5	SL-12 (Shake Water Extraction)	06-23-97/0910
71707A-6	SL-20 (Shake Water Extraction)	03-26-97/1025
71707A-7	SL-31 (Shake Water Extraction)	03-26-97/1305
71707A-8	SL-35 (Shake Water Extraction)	03-26-97/1430

PARAMETER	71707A-5	71707A-6	71707A-7	71707A-8
Lead (6010)				
Lead (6010), mg/l	0.0058	0.010	0.0078	0.013'
Preparation Date	06.06.97	06.06.97	06.06.97	06.06.97
Date Analyzed	06.06.97	06.06.97	06.06.97	06.06.97
Dilution factor	1.0	1.0	1.0	1.0
Batch ID	0606A	0606A	0606A	0606A
Beryllium (6010)				
Beryllium (6010), mg/l	<0.0050	<0.0050	<0.0050	<0.0050
Preparation Date	06.06.97	06.06.97	06.06.97	06.06.97
Date Analyzed	06.06.97	06.06.97	06.06.97	06.06.97
Dilution factor	1.0	1.0	1.0	1.0
Batch ID	0606A	0606A	0606A	0606A
Shake-Water Extraction (D3987-85)				
Percent Solids (160.3), mg/l	100	100	100	100
Sample Weight (g)	70	70	70	70
Final pH, mg/l	8.20	6.60	6.20	6.40
Date Extracted	06.05.97	06.05.97	06.05.97	06.05.97

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-71707A
Received: 05 JUN 97
Reported: 09 JUN 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 11577069

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
71707A-9	Method (Lab) Blank
71707A-10	Lab Control Standard % Recovery
71707A-11	LCS Accuracy Control Limit (%R)

PARAMETER	71707A-9	71707A-10	71707A-11
Beryllium (6010)			
Beryllium (6010), mg/kg dw	<0.50	99 %	70-130 %
Preparation Date	06.05.97	---	---
Date Analyzed	06.09.97	---	---
Dilution factor	1.0	---	---
Batch ID	0605M	---	---

SL *SAVANNAH LABORATORIES*
& ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165

LOG NO: S7-71707A
Received: 05 JUN 97
Reported: 09 JUN 97

Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 11577069

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
71707A-12	Extract Fluid Method Blank

PARAMETER	71707A-12
Beryllium (6010)	
Beryllium (6010), mg/l	<0.0050
Preparation Date	06.06.97
Date Analyzed	06.06.97
Dilution factor	1.0
Batch ID	0606A
Lead (6010)	
Lead (6010), mg/l	<0.0050
Preparation Date	06.06.97
Date Analyzed	06.06.97
Dilution factor	1.0
Batch ID	0606A

Methods: EPA SW-846

Lisa G. McLeod, Project Manager

Final Page Of Report

Serial Number 52

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
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100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE | PROJECT NO. | P.O. NUMBER

PROJECT LOC. (State) | SAMPLER(s) NAME | PHONE | FAX

CLIENT NAME: Golder | CLIENT PROJECT MANAGER

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: 8260 VOCs; 6010-T Pb

PRESERVATIVE

PAGE 4 OF 5

STANDARD REPORT DELIVERY

EXPEDITED REPORT DELIVERY (surcharge)

Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED										REMARKS
3/27	9:55		SP-3		X			1										
3/27	9:25		SP-4		X			#CDH	1									Pb 6010-T
3/27	9:35		SP-5		X			#CDH	1									Pb 6010-T
3/27	9:55		SP-6		X			#CDH	1									Pb 6010-T
3/25	10:30		GW 2-1		X			1										
3/25	10:40		GW 2-2		X			1										
3/25	10:45		GW 2-3		X			1										
3/25	10:50		GW 2-4		X			1										
3/25	10:55		GW 2-5		X			1										
3/25	11:05		GW 2-6		X			1										
3/25	11:10		GW 2-7		X			1										
3/25	11:15		GW 2-8		X			1										
3/25	11:20		GW-2-Duplicate		X			1										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	3-27	15:40			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SL LOG NO	LABORATORY REMARKS
[signature]	3/27/97	3:40	☑ YES ☐ NO		371707	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☐ 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (904) 878-3994 Fax: (904) 878-9504
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442 Phone: (954) 421-7400 Fax: (954) 421-2584
☐ 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100 Fax: (504) 725-1163

PROJECT REFERENCE | PROJECT NO. | P.O. NUMBER

PROJECT LOC. (State) | SAMPLER(s) NAME | PHONE | FAX

CLIENT NAME: Golder | CLIENT PROJECT MANAGER

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX TYPE | REQUIRED ANALYSES | PAGE 3 OF 5

☐ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

PRESERVATIVE

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SL NO	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent, etc)	6010-T Pb	8260 VOC's									REMARKS
3/27	8:30		SL-BK1		X			1										
3/27	9:00		SL-BK2		X			1										
3/27	11:05		VSL-1-1		X			1										
3/27	11:10		VSL-1-2		X			1										
3/27	11:15		VSL-1-3		X			1										
3/26	9:40		Duplicate 1-SL		X			1										
3/26	11:50		Duplicate 2-SL		X			1										
3/26	14:25		Duplicate 3-SL		X			1										
3/27	11:30		VSL-2-1		X			1										
3/27	11:35		VSL-2-2		X			1										
3/27	11:40		VSL-2-3		X			1										
3/27	10:05		SP-1	CDH	X			CDH	1									(soil)
3/27	10:08		SP-2	CDH	X			CDH	1									(soil)

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	3/27	15:40			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SL LOG NO	LABORATORY REMARKS
[signature]	3/27/97	3:40	☑ YES ☐ NO		37-71707	

SAVANNAH LABORATORY COPY

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PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX

CLIENT NAME	CLIENT PROJECT MANAGER
Golder	

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent, etc)

REQUIRED ANALYSES: 6010-T Pb

PRESERVATIVE

NUMBER OF CONTAINERS SUBMITTED

PAGE 2 OF 5

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	REMARKS
3/26	11:35		SL-25		X			
	11:43		SL-26		X			
	11:50		SL-27		X			
	12:40		SL-28		X			
	12:50		SL-29		X			
	13:00		SL-30		X			
	13:05		SL-31		X			
	13:10		SL-32		X			
	13:20		SL-33		X			
	13:28		SL-34		X			
	14:30		SL-35		X			
			~~SL-36~~		~~X~~			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	3/27	15:40			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO	SL LOG NO	LABORATORY REMARKS
[signature]	3/27/97	3:40	☑ YES ☐ NO		57-71707	

SAVANNAH LABORATORY COPY

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404 — Phone: (912) 354-7858 — Fax: (912) 352-0165
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PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
1953-3825 Savannah / Brampton Rd		

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
GA	Chris Hemingway	770-496-1893	

CLIENT NAME	CLIENT PROJECT MANAGER
Golder Associates	Chris Paul

CLIENT ADDRESS (CITY, STATE, ZIP): 3730 Chamblee Tucker Rd Atlanta GA

MATRIX TYPE: AQUEOUS (WATER) / SOLID OR SEMISOLID / AIR / NONAQUEOUS LIQUID (oil, solvent etc)

REQUIRED ANALYSES: 8010 + TT

PRESERVATIVE: HCl

PAGE 1 OF 5

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due:

SAMPLE DATE	SAMPLE TIME	SL NO	SAMPLE IDENTIFICATION	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (oil, solvent etc)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
3/26	9:10		SL-12	X				1	
	9:20		SL-13	X				1	
	9:25		SL-14	X				1	
	9:35		SL-15	X				1	
	9:40		SL-16	X				1	
	9:50		SL-17	X				1	
	10:00		SL-18	X				1	
	10:15		SL-19	X				1	
	10:25		SL-20	X				1	
	11:00		SL-21	X				1	
	11:10		SL-22	X				1	
	11:20		SL-23	X				1	
	11:27		SL-24	X				1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS	3/27/97	5:45		3/27	13:40			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
D. Campbell	3/27/97	20:40	☒ YES ☐ NO		5-1187	

SAVANNAH LABORATORY COPY

FACSIMILE TRANSMISSION

GOLDER ASSOCIATES INC.

3730 CHAMBLEE TUCKER ROAD
ATLANTA, GEORGIA 30341 USA

TELEPHONE NO. (770) 496-1893
FAX NO. (770) 934-9476

Date:	June 5, 1997	JOB No.:
FAX No.:	912-352-0165	
TO:	Savannah Labs	
ATTN:	Lisa McCloud	
FR:	Chris Paul	
RE:	SAMPLES FOR LEACHING FOR LEAD	

Hard Copy to Follow: ☐ Yes ☒ No

Total Number of Pages (including this cover page): 1

MESSAGE: samples out-of-hold date for Hg has expired June 6 6/5/97

Lisa please add beryllium and mercury to the list of analytes to be performed following the shaker water extraction. Also, if you have enough sample please run beryllium and mercury on the straight soil samples for each shaker extraction.

If you have questions please call today. I will not be in the office Friday.
Thanks Chris

CP

The documents(s) with this transmission are only for recipient(s) named above and contain privileged/confidential information. Unauthorized disclosure, dissemination, or copying of this transmission is strictly prohibited. If received in error, please destroy. Questions/problems with transmission: contact the receptionist at (770) 496-1893.

FACSIMILE TRANSMISSION

GOLDER ASSOCIATES INC.

3730 CHAMBLEE TUCKER ROAD
ATLANTA, GEORGIA 30341 USA

TELEPHONE NO. (770) 496-1893
FAX NO. (770) 934-9476

Date:	June 5, 1997	JOB No.: 953-3825
FAX No.:	912-352-0165	
TO:	Savannah Labs	
ATTN:	Lisa McCloud	
FR:	Chris Paul	Paul
RE:	SAMPLES FOR LEACHING FOR LEAD	

Hard Copy to Follow: ☐ Yes ☑ No

Total Number of Pages (including this cover page). 1

MESSAGE:

As discussed today we wish to to run several of our saved Brampton Road soil samples by ASTMD 3987-85 shaker extraction in water and analyze the resultant water for lead with a low detection limit

The cost will be approximately $75 per sample, and the results will be available Monday morning as early as possible (June 9).

The following samples have been picked for analysis from your batches 70863 and 71707

	Previous lead result (mg/kg)
~~SL-1~~	580
~~SL-3~~	930
~~SL-4~~	690
~~SL-6~~	480
SL-31	470
SL-35	960
SL-12	Sub-6/5/97
SL-20	

The laboratory subcontract terms and conditions between our two companies will apply to this project.

If you have questions please call today. I will not be in the office Friday.
Thanks Chris

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AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 16, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 139 Brampton Road Property

Dear Tyler Boyles: Order No: 1203706

Analytical Environmental Services, Inc. received 6 samples on March 8, 2012 5:50 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Kathryn E. Waters

Kathryn Waters
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1203706

Date: 3/8/12 Page 1 of 1

COMPANY: AMEC

ADDRESS: 396 Plasters Ave Atlanta GA

PHONE: 404 817 0153 FAX: 404 817 0183

SAMPLED BY: Tyler Boyles SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	Methane, Ethane, Ethene	Total Organic Carbon	Alkalinity	Sulfide	Metals - Dissolved	Ferrous Iron	Nitrate Nitrite Salts	Metals - Total	No # of Containers
	PRESERVATION (See codes)						HCl	HCl	H2SO4	NA	ZnAc	NA	NA	NA	HNO3	
1	EW-2	3/7/12	1130	X		GW	X					X			X	4
2	W-5	3/8/12	1000				X	X	X	X	X	X	X	X	X	11
3	GW-1		1109				X	X	X	X	X	X	X	X	X	4 11
4	GW-7		1208				X					X			X	4
5	EW-1	3/8/12	1300	X		GW	X	X	X	X	X	X	X	X	X	11
6	Trip Blank						X									
7																
8																
9																
10																
11																
12																
13																
14																

TB

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

REMARKS

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/8/12 550	1:	3/8/12 5:50
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION

PROJECT NAME: 139 Brampton Road Property
PROJECT #: 6121 09 0220
SITE ADDRESS: Swainsboro, GA
SEND REPORT TO: Tyler Boyles
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 41

Turnaround Time Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush **(auth req.)**
- [ ] Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 16-Mar-12

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab ID: 1203706

Case Narrative

Chloride analysis by SW9056 was added to samples W-5, GW-1 and EW-1 (1203706-002G, 1203706-003G and 1203706-005G respectively) per email instructions from Tyler Boyles on 3/9/12 on 3/9/12 at 10:56 am.

Analytical Environmental Services, Inc

Date: 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 11:30:00 AM
Lab ID:	1203706-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,1-Dichloroethane	5.7	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,1-Dichloroethene	7.7	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dibromoethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dichloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
2-Butanone	BRL	50		ug/L	158879	1	03/13/2012 10:27	SB
2-Hexanone	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
4-Methyl-2-pentanone	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
Acetone	BRL	50		ug/L	158879	1	03/13/2012 10:27	SB
Benzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Bromodichloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Bromoform	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Bromomethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Carbon disulfide	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Carbon tetrachloride	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Chlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Chloroethane	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
Chloroform	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Chloromethane	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
cis-1,2-Dichloroethene	16	5.0		ug/L	158879	1	03/13/2012 10:27	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Cyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Dibromochloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Dichlorodifluoromethane	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
Ethylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Freon-113	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
Isopropylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
m,p-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Methyl acetate	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Methyl tert-butyl ether	5.1	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Methylcyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Methylene chloride	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
o-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 11:30:00 AM
Lab ID:	1203706-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Tetrachloroethene	76	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Toluene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Trichloroethene	51	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Trichlorofluoromethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Vinyl chloride	BRL	2.0		ug/L	158879	1	03/13/2012 10:27	SB
Surr: 4-Bromofluorobenzene	91.6	67.4-123		%REC	158879	1	03/13/2012 10:27	SB
Surr: Dibromofluoromethane	107	75.5-128		%REC	158879	1	03/13/2012 10:27	SB
Surr: Toluene-d8	91.2	70-120		%REC	158879	1	03/13/2012 10:27	SB
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	158860	1	03/13/2012 15:49	TA
Barium	0.0565	0.0200		mg/L	158860	1	03/13/2012 15:49	TA
Cadmium	BRL	0.0050		mg/L	158860	1	03/13/2012 15:49	TA
Chromium	BRL	0.0100		mg/L	158860	1	03/13/2012 15:49	TA
Lead	BRL	0.0100		mg/L	158860	1	03/13/2012 15:49	TA
Selenium	BRL	0.0200		mg/L	158860	1	03/13/2012 15:49	TA
Silver	BRL	0.0100		mg/L	158860	1	03/13/2012 15:49	TA
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:48	LD
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158903	1	03/14/2012 16:03	LD
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	158805	1	03/12/2012 17:53	TA
Barium	0.0741	0.0200		mg/L	158805	1	03/12/2012 17:53	TA
Cadmium	BRL	0.0050		mg/L	158805	1	03/12/2012 17:53	TA
Chromium	BRL	0.0100		mg/L	158805	1	03/12/2012 17:53	TA
Lead	BRL	0.0100		mg/L	158805	1	03/12/2012 17:53	TA
Selenium	BRL	0.0200		mg/L	158805	1	03/12/2012 17:53	TA
Silver	BRL	0.0100		mg/L	158805	1	03/12/2012 17:53	TA

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	W-5
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 10:00:00 AM
Lab ID:	1203706-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	3.76	1.00		mg/L	R216739	1	03/09/2012 12:32	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,1-Dichloroethane	28	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,1-Dichloroethene	70	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,2-Dibromoethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,2-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,2-Dichloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
2-Butanone	BRL	50		ug/L	158879	1	03/13/2012 14:44	SB
2-Hexanone	BRL	10		ug/L	158879	1	03/13/2012 14:44	SB
4-Methyl-2-pentanone	BRL	10		ug/L	158879	1	03/13/2012 14:44	SB
Acetone	BRL	50		ug/L	158879	1	03/13/2012 14:44	SB
Benzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Bromodichloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Bromoform	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Bromomethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Carbon disulfide	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Carbon tetrachloride	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Chlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Chloroethane	BRL	10		ug/L	158879	1	03/13/2012 14:44	SB
Chloroform	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Chloromethane	BRL	10		ug/L	158879	1	03/13/2012 14:44	SB
cis-1,2-Dichloroethene	6.3	5.0		ug/L	158879	1	03/13/2012 14:44	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Cyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Dibromochloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Dichlorodifluoromethane	BRL	10		ug/L	158879	1	03/13/2012 14:44	SB
Ethylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Freon-113	BRL	10		ug/L	158879	1	03/13/2012 14:44	SB
Isopropylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
m,p-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Methyl acetate	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	W-5
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 10:00:00 AM
Lab ID:	1203706-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Methylcyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Methylene chloride	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
o-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Styrene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Tetrachloroethene	120	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Toluene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Trichloroethene	57	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Trichlorofluoromethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:44	SB
Vinyl chloride	BRL	2.0		ug/L	158879	1	03/13/2012 14:44	SB
Surr: 4-Bromofluorobenzene	95.3	67.4-123		%REC	158879	1	03/13/2012 14:44	SB
Surr: Dibromofluoromethane	110	75.5-128		%REC	158879	1	03/13/2012 14:44	SB
Surr: Toluene-d8	93	70-120		%REC	158879	1	03/13/2012 14:44	SB
Sulfide by SW9030B/9034				**(SW9030B)**				
Sulfide	BRL	2.00		mg/L	158894	1	03/13/2012 13:50	AS
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	158860	1	03/13/2012 16:09	TA
Barium	0.0318	0.0200		mg/L	158860	1	03/13/2012 16:09	TA
Cadmium	BRL	0.0050		mg/L	158860	1	03/13/2012 16:09	TA
Chromium	BRL	0.0100		mg/L	158860	1	03/13/2012 16:09	TA
Lead	BRL	0.0100		mg/L	158860	1	03/13/2012 16:09	TA
Selenium	BRL	0.0200		mg/L	158860	1	03/13/2012 16:09	TA
Silver	BRL	0.0100		mg/L	158860	1	03/13/2012 16:09	TA
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:50	LD
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158903	1	03/14/2012 16:11	LD
ION SCAN SW9056A								
Chloride	18	1.0		mg/L	R216749	1	03/09/2012 09:26	GR
Nitrate	BRL	0.25		mg/L	R216749	1	03/09/2012 09:26	GR
Nitrite	BRL	0.25		mg/L	R216749	1	03/09/2012 09:26	GR
Sulfate	67	1.0		mg/L	R216749	1	03/09/2012 09:26	GR
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethane	BRL	9		ug/L	158866	1	03/13/2012 11:12	SN

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	W-5
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 10:00:00 AM
Lab ID:	1203706-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethylene	BRL	7		ug/L	158866	1	03/13/2012 11:12	SN
Methane	50	4		ug/L	158866	1	03/13/2012 11:12	SN
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	0.146	0.100		mg/L	R216789	1	03/09/2012 09:55	CG
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	BRL	10.0		mg/L	R216883	1	03/13/2012 09:22	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	158805	1	03/12/2012 18:06	TA
Barium	0.0333	0.0200		mg/L	158805	1	03/12/2012 18:06	TA
Cadmium	BRL	0.0050		mg/L	158805	1	03/12/2012 18:06	TA
Chromium	BRL	0.0100		mg/L	158805	1	03/12/2012 18:06	TA
Lead	BRL	0.0100		mg/L	158805	1	03/12/2012 18:06	TA
Selenium	BRL	0.0200		mg/L	158805	1	03/12/2012 18:06	TA
Silver	BRL	0.0100		mg/L	158805	1	03/12/2012 18:06	TA

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GW-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 11:09:00 AM
Lab ID:	1203706-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	1.29	1.00		mg/L	R216739	1	03/09/2012 12:58	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,1-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,1-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,2-Dibromoethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,2-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,2-Dichloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
2-Butanone	BRL	50		ug/L	158879	1	03/13/2012 15:13	SB
2-Hexanone	BRL	10		ug/L	158879	1	03/13/2012 15:13	SB
4-Methyl-2-pentanone	BRL	10		ug/L	158879	1	03/13/2012 15:13	SB
Acetone	BRL	50		ug/L	158879	1	03/13/2012 15:13	SB
Benzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Bromodichloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Bromoform	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Bromomethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Carbon disulfide	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Carbon tetrachloride	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Chlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Chloroethane	BRL	10		ug/L	158879	1	03/13/2012 15:13	SB
Chloroform	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Chloromethane	BRL	10		ug/L	158879	1	03/13/2012 15:13	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Cyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Dibromochloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Dichlorodifluoromethane	BRL	10		ug/L	158879	1	03/13/2012 15:13	SB
Ethylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Freon-113	BRL	10		ug/L	158879	1	03/13/2012 15:13	SB
Isopropylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
m,p-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Methyl acetate	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GW-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 11:09:00 AM
Lab ID:	1203706-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Methylcyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Methylene chloride	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
o-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Styrene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Tetrachloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Toluene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Trichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Trichlorofluoromethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:13	SB
Vinyl chloride	BRL	2.0		ug/L	158879	1	03/13/2012 15:13	SB
Surr: 4-Bromofluorobenzene	92.5	67.4-123		%REC	158879	1	03/13/2012 15:13	SB
Surr: Dibromofluoromethane	112	75.5-128		%REC	158879	1	03/13/2012 15:13	SB
Surr: Toluene-d8	96.7	70-120		%REC	158879	1	03/13/2012 15:13	SB
Sulfide by SW9030B/9034				**(SW9030B)**				
Sulfide	BRL	2.00		mg/L	158894	1	03/13/2012 13:50	AS
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	158860	1	03/13/2012 16:13	TA
Barium	0.0262	0.0200		mg/L	158860	1	03/13/2012 16:13	TA
Cadmium	BRL	0.0050		mg/L	158860	1	03/13/2012 16:13	TA
Chromium	BRL	0.0100		mg/L	158860	1	03/13/2012 16:13	TA
Lead	BRL	0.0100		mg/L	158860	1	03/13/2012 16:13	TA
Selenium	BRL	0.0200		mg/L	158860	1	03/13/2012 16:13	TA
Silver	BRL	0.0100		mg/L	158860	1	03/13/2012 16:13	TA
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:52	LD
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158903	1	03/14/2012 16:13	LD
ION SCAN SW9056A								
Chloride	5.2	1.0		mg/L	R216749	1	03/09/2012 09:40	GR
Nitrate	2.8	0.25		mg/L	R216749	1	03/09/2012 09:40	GR
Nitrite	BRL	0.25		mg/L	R216749	1	03/09/2012 09:40	GR
Sulfate	19	1.0		mg/L	R216749	1	03/09/2012 09:40	GR
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethane	BRL	9		ug/L	158866	1	03/13/2012 11:17	SN

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GW-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 11:09:00 AM
Lab ID:	1203706-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethylene	BRL	7		ug/L	158866	1	03/13/2012 11:17	SN
Methane	BRL	4		ug/L	158866	1	03/13/2012 11:17	SN
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R216789	1	03/09/2012 09:55	CG
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	BRL	10.0		mg/L	R216883	1	03/13/2012 09:23	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	158805	1	03/12/2012 18:10	TA
Barium	0.0341	0.0200		mg/L	158805	1	03/12/2012 18:10	TA
Cadmium	BRL	0.0050		mg/L	158805	1	03/12/2012 18:10	TA
Chromium	BRL	0.0100		mg/L	158805	1	03/12/2012 18:10	TA
Lead	BRL	0.0100		mg/L	158805	1	03/12/2012 18:10	TA
Selenium	BRL	0.0200		mg/L	158805	1	03/12/2012 18:10	TA
Silver	BRL	0.0100		mg/L	158805	1	03/12/2012 18:10	TA

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GW-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 12:08:00 PM
Lab ID:	1203706-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,1-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,1-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,2-Dibromoethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,2-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,2-Dichloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
2-Butanone	BRL	50		ug/L	158879	1	03/13/2012 15:41	SB
2-Hexanone	BRL	10		ug/L	158879	1	03/13/2012 15:41	SB
4-Methyl-2-pentanone	BRL	10		ug/L	158879	1	03/13/2012 15:41	SB
Acetone	BRL	50		ug/L	158879	1	03/13/2012 15:41	SB
Benzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Bromodichloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Bromoform	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Bromomethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Carbon disulfide	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Carbon tetrachloride	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Chlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Chloroethane	BRL	10		ug/L	158879	1	03/13/2012 15:41	SB
Chloroform	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Chloromethane	BRL	10		ug/L	158879	1	03/13/2012 15:41	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Cyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Dibromochloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Dichlorodifluoromethane	BRL	10		ug/L	158879	1	03/13/2012 15:41	SB
Ethylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Freon-113	BRL	10		ug/L	158879	1	03/13/2012 15:41	SB
Isopropylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
m,p-Xylene	230	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Methyl acetate	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Methylcyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Methylene chloride	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
o-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GW-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 12:08:00 PM
Lab ID:	1203706-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Tetrachloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Toluene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Trichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Trichlorofluoromethane	BRL	5.0		ug/L	158879	1	03/13/2012 15:41	SB
Vinyl chloride	BRL	2.0		ug/L	158879	1	03/13/2012 15:41	SB
Surr: 4-Bromofluorobenzene	101	67.4-123		%REC	158879	1	03/13/2012 15:41	SB
Surr: Dibromofluoromethane	110	75.5-128		%REC	158879	1	03/13/2012 15:41	SB
Surr: Toluene-d8	93.7	70-120		%REC	158879	1	03/13/2012 15:41	SB
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	158860	1	03/13/2012 16:17	TA
Barium	BRL	0.0200		mg/L	158860	1	03/13/2012 16:17	TA
Cadmium	BRL	0.0050		mg/L	158860	1	03/13/2012 16:17	TA
Chromium	BRL	0.0100		mg/L	158860	1	03/13/2012 16:17	TA
Lead	BRL	0.0100		mg/L	158860	1	03/13/2012 16:17	TA
Selenium	BRL	0.0200		mg/L	158860	1	03/13/2012 16:17	TA
Silver	BRL	0.0100		mg/L	158860	1	03/13/2012 16:17	TA
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:53	LD
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158903	1	03/14/2012 16:18	LD
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	158805	1	03/12/2012 18:14	TA
Barium	BRL	0.0200		mg/L	158805	1	03/12/2012 18:14	TA
Cadmium	BRL	0.0050		mg/L	158805	1	03/12/2012 18:14	TA
Chromium	BRL	0.0100		mg/L	158805	1	03/12/2012 18:14	TA
Lead	BRL	0.0100		mg/L	158805	1	03/12/2012 18:14	TA
Selenium	BRL	0.0200		mg/L	158805	1	03/12/2012 18:14	TA
Silver	BRL	0.0100		mg/L	158805	1	03/12/2012 18:14	TA

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 1:00:00 PM
Lab ID:	1203706-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) SW9060A								
Organic Carbon, Total	BRL	1.00		mg/L	R216739	1	03/09/2012 13:19	GR
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,1-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,1-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,2-Dibromoethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,2-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,2-Dichloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
2-Butanone	BRL	50		ug/L	158879	1	03/13/2012 16:09	SB
2-Hexanone	BRL	10		ug/L	158879	1	03/13/2012 16:09	SB
4-Methyl-2-pentanone	BRL	10		ug/L	158879	1	03/13/2012 16:09	SB
Acetone	BRL	50		ug/L	158879	1	03/13/2012 16:09	SB
Benzene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Bromodichloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Bromoform	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Bromomethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Carbon disulfide	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Carbon tetrachloride	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Chlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Chloroethane	BRL	10		ug/L	158879	1	03/13/2012 16:09	SB
Chloroform	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Chloromethane	BRL	10		ug/L	158879	1	03/13/2012 16:09	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Cyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Dibromochloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Dichlorodifluoromethane	BRL	10		ug/L	158879	1	03/13/2012 16:09	SB
Ethylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Freon-113	BRL	10		ug/L	158879	1	03/13/2012 16:09	SB
Isopropylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
m,p-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Methyl acetate	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 1:00:00 PM
Lab ID:	1203706-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Methylcyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Methylene chloride	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
o-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Styrene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Tetrachloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Toluene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Trichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Trichlorofluoromethane	BRL	5.0		ug/L	158879	1	03/13/2012 16:09	SB
Vinyl chloride	BRL	2.0		ug/L	158879	1	03/13/2012 16:09	SB
Surr: 4-Bromofluorobenzene	91.2	67.4-123		%REC	158879	1	03/13/2012 16:09	SB
Surr: Dibromofluoromethane	106	75.5-128		%REC	158879	1	03/13/2012 16:09	SB
Surr: Toluene-d8	92.2	70-120		%REC	158879	1	03/13/2012 16:09	SB
Sulfide by SW9030B/9034				**(SW9030B)**				
Sulfide	BRL	2.00		mg/L	158894	1	03/13/2012 13:50	AS
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	158860	1	03/13/2012 16:21	TA
Barium	0.0685	0.0200		mg/L	158860	1	03/13/2012 16:21	TA
Cadmium	BRL	0.0050		mg/L	158860	1	03/13/2012 16:21	TA
Chromium	BRL	0.0100		mg/L	158860	1	03/13/2012 16:21	TA
Lead	BRL	0.0100		mg/L	158860	1	03/13/2012 16:21	TA
Selenium	BRL	0.0200		mg/L	158860	1	03/13/2012 16:21	TA
Silver	BRL	0.0100		mg/L	158860	1	03/13/2012 16:21	TA
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:55	LD
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158903	1	03/14/2012 16:20	LD
ION SCAN SW9056A								
Chloride	6.6	1.0		mg/L	R216749	1	03/09/2012 09:55	GR
Nitrate	0.56	0.25		mg/L	R216749	1	03/09/2012 09:55	GR
Nitrite	BRL	0.25		mg/L	R216749	1	03/09/2012 09:55	GR
Sulfate	53	1.0		mg/L	R216749	1	03/09/2012 09:55	GR
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethane	BRL	9		ug/L	158866	1	03/13/2012 12:11	SN

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 1:00:00 PM
Lab ID:	1203706-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethylene	BRL	7		ug/L	158866	1	03/13/2012 12:11	SN
Methane	BRL	4		ug/L	158866	1	03/13/2012 12:11	SN
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R216789	1	03/09/2012 09:55	CG
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	BRL	10.0		mg/L	R216883	1	03/13/2012 09:24	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Arsenic	BRL	0.0500		mg/L	158805	1	03/12/2012 18:26	TA
Barium	0.0740	0.0200		mg/L	158805	1	03/12/2012 18:26	TA
Cadmium	BRL	0.0050		mg/L	158805	1	03/12/2012 18:26	TA
Chromium	BRL	0.0100		mg/L	158805	1	03/12/2012 18:26	TA
Lead	BRL	0.0100		mg/L	158805	1	03/12/2012 18:26	TA
Selenium	BRL	0.0200		mg/L	158805	1	03/12/2012 18:26	TA
Silver	BRL	0.0100		mg/L	158805	1	03/12/2012 18:26	TA

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012
Lab ID:	1203706-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,1-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,1-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,2-Dibromoethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,2-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,2-Dichloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
2-Butanone	BRL	50		ug/L	158879	1	03/13/2012 14:16	SB
2-Hexanone	BRL	10		ug/L	158879	1	03/13/2012 14:16	SB
4-Methyl-2-pentanone	BRL	10		ug/L	158879	1	03/13/2012 14:16	SB
Acetone	BRL	50		ug/L	158879	1	03/13/2012 14:16	SB
Benzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Bromodichloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Bromoform	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Bromomethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Carbon disulfide	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Carbon tetrachloride	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Chlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Chloroethane	BRL	10		ug/L	158879	1	03/13/2012 14:16	SB
Chloroform	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Chloromethane	BRL	10		ug/L	158879	1	03/13/2012 14:16	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Cyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Dibromochloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Dichlorodifluoromethane	BRL	10		ug/L	158879	1	03/13/2012 14:16	SB
Ethylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Freon-113	BRL	10		ug/L	158879	1	03/13/2012 14:16	SB
Isopropylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
m,p-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Methyl acetate	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Methylcyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Methylene chloride	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
o-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012
Lab ID:	1203706-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Tetrachloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Toluene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Trichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Trichlorofluoromethane	BRL	5.0		ug/L	158879	1	03/13/2012 14:16	SB
Vinyl chloride	BRL	2.0		ug/L	158879	1	03/13/2012 14:16	SB
Surr: 4-Bromofluorobenzene	94.9	67.4-123		%REC	158879	1	03/13/2012 14:16	SB
Surr: Dibromofluoromethane	109	75.5-128		%REC	158879	1	03/13/2012 14:16	SB
Surr: Toluene-d8	95.9	70-120		%REC	158879	1	03/13/2012 14:16	SB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC Work Order Number 1203206

Checklist completed by [signature] 3/8/12
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.3° Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by MJ

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab Order: 1203706

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1203706-001A	EW-2	3/7/2012 11:30:00AM	Groundwater	TCL VOLATILE ORGANICS		03/13/2012	03/13/2012
1203706-001B	EW-2	3/7/2012 11:30:00AM	Groundwater	TOTAL METALS BY ICP		03/12/2012	03/12/2012
1203706-001B	EW-2	3/7/2012 11:30:00AM	Groundwater	TOTAL MERCURY		03/14/2012	03/14/2012
1203706-001C	EW-2	3/7/2012 11:30:00AM	Groundwater	DISSOLVED METALS BY ICP		03/13/2012	03/13/2012
1203706-001C	EW-2	3/7/2012 11:30:00AM	Groundwater	MERCURY, DISSOLVED		03/14/2012	03/14/2012
1203706-002A	W-5	3/8/2012 10:00:00AM	Groundwater	TCL VOLATILE ORGANICS		03/13/2012	03/13/2012
1203706-002B	W-5	3/8/2012 10:00:00AM	Groundwater	GC Analysis of Gaseous Samples		03/13/2012	03/13/2012
1203706-002C	W-5	3/8/2012 10:00:00AM	Groundwater	TOTAL METALS BY ICP		03/12/2012	03/12/2012
1203706-002C	W-5	3/8/2012 10:00:00AM	Groundwater	TOTAL MERCURY		03/14/2012	03/14/2012
1203706-002D	W-5	3/8/2012 10:00:00AM	Groundwater	Total Organic Carbon (TOC)			03/09/2012
1203706-002E	W-5	3/8/2012 10:00:00AM	Groundwater	Sulfide by SW9030/9034		03/13/2012	03/13/2012
1203706-002F	W-5	3/8/2012 10:00:00AM	Groundwater	DISSOLVED METALS BY ICP		03/13/2012	03/13/2012
1203706-002F	W-5	3/8/2012 10:00:00AM	Groundwater	MERCURY, DISSOLVED		03/14/2012	03/14/2012
1203706-002G	W-5	3/8/2012 10:00:00AM	Groundwater	Alkalinity			03/13/2012
1203706-002G	W-5	3/8/2012 10:00:00AM	Groundwater	ION SCAN			03/09/2012
1203706-002H	W-5	3/8/2012 10:00:00AM	Groundwater	Ferrous Iron			03/09/2012
1203706-003A	GW-1	3/8/2012 11:09:00AM	Groundwater	TCL VOLATILE ORGANICS		03/13/2012	03/13/2012
1203706-003B	GW-1	3/8/2012 11:09:00AM	Groundwater	GC Analysis of Gaseous Samples		03/13/2012	03/13/2012
1203706-003C	GW-1	3/8/2012 11:09:00AM	Groundwater	TOTAL METALS BY ICP		03/12/2012	03/12/2012
1203706-003C	GW-1	3/8/2012 11:09:00AM	Groundwater	TOTAL MERCURY		03/14/2012	03/14/2012
1203706-003D	GW-1	3/8/2012 11:09:00AM	Groundwater	Total Organic Carbon (TOC)			03/09/2012
1203706-003E	GW-1	3/8/2012 11:09:00AM	Groundwater	Sulfide by SW9030/9034		03/13/2012	03/13/2012
1203706-003F	GW-1	3/8/2012 11:09:00AM	Groundwater	DISSOLVED METALS BY ICP		03/13/2012	03/13/2012
1203706-003F	GW-1	3/8/2012 11:09:00AM	Groundwater	MERCURY, DISSOLVED		03/14/2012	03/14/2012
1203706-003G	GW-1	3/8/2012 11:09:00AM	Groundwater	Alkalinity			03/13/2012
1203706-003G	GW-1	3/8/2012 11:09:00AM	Groundwater	ION SCAN			03/09/2012
1203706-003H	GW-1	3/8/2012 11:09:00AM	Groundwater	Ferrous Iron			03/09/2012
1203706-004A	GW-7	3/8/2012 12:08:00PM	Groundwater	TCL VOLATILE ORGANICS		03/13/2012	03/13/2012
1203706-004B	GW-7	3/8/2012 12:08:00PM	Groundwater	TOTAL METALS BY ICP		03/12/2012	03/12/2012

Analytical Environmental Services, Inc

Date: 16-Mar-12

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab Order: 1203706

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1203706-004B	GW-7	3/8/2012 12:08:00PM	Groundwater	TOTAL MERCURY		03/14/2012	03/14/2012
1203706-004C	GW-7	3/8/2012 12:08:00PM	Groundwater	DISSOLVED METALS BY ICP		03/13/2012	03/13/2012
1203706-004C	GW-7	3/8/2012 12:08:00PM	Groundwater	MERCURY, DISSOLVED		03/14/2012	03/14/2012
1203706-005A	EW-1	3/8/2012 1:00:00PM	Groundwater	TCL VOLATILE ORGANICS		03/13/2012	03/13/2012
1203706-005B	EW-1	3/8/2012 1:00:00PM	Groundwater	GC Analysis of Gaseous Samples		03/13/2012	03/13/2012
1203706-005C	EW-1	3/8/2012 1:00:00PM	Groundwater	TOTAL METALS BY ICP		03/12/2012	03/12/2012
1203706-005C	EW-1	3/8/2012 1:00:00PM	Groundwater	TOTAL MERCURY		03/14/2012	03/14/2012
1203706-005D	EW-1	3/8/2012 1:00:00PM	Groundwater	Total Organic Carbon (TOC)			03/09/2012
1203706-005E	EW-1	3/8/2012 1:00:00PM	Groundwater	Sulfide by SW9030/9034		03/13/2012	03/13/2012
1203706-005F	EW-1	3/8/2012 1:00:00PM	Groundwater	DISSOLVED METALS BY ICP		03/13/2012	03/13/2012
1203706-005F	EW-1	3/8/2012 1:00:00PM	Groundwater	MERCURY, DISSOLVED		03/14/2012	03/14/2012
1203706-005G	EW-1	3/8/2012 1:00:00PM	Groundwater	Alkalinity			03/13/2012
1203706-005G	EW-1	3/8/2012 1:00:00PM	Groundwater	ION SCAN			03/09/2012
1203706-005H	EW-1	3/8/2012 1:00:00PM	Groundwater	Ferrous Iron			03/09/2012
1203706-006A	TRIP BLANK	3/8/2012 12:00:00AM	Groundwater	TCL VOLATILE ORGANICS		03/13/2012	03/13/2012

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158805

Sample ID: **MB-158805** Client ID: Units: **mg/L** Prep Date: **03/12/2012** Run No: **216894**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010C** BatchID: **158805** Analysis Date: **03/12/2012** Seq No: **4534544**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200	0	0	0	0	0	0	0	0	
Antimony	BRL	0.0200	0	0	0	0	0	0	0	0	
Arsenic	BRL	0.0500	0	0	0	0	0	0	0	0	
Barium	BRL	0.0200	0	0	0	0	0	0	0	0	
Beryllium	BRL	0.0100	0	0	0	0	0	0	0	0	
Cadmium	BRL	0.0050	0	0	0	0	0	0	0	0	
Calcium	BRL	0.100	0	0	0	0	0	0	0	0	
Chromium	BRL	0.0100	0	0	0	0	0	0	0	0	
Cobalt	BRL	0.0200	0	0	0	0	0	0	0	0	
Copper	BRL	0.0100	0	0	0	0	0	0	0	0	
Iron	BRL	0.100	0	0	0	0	0	0	0	0	
Lead	BRL	0.0100	0	0	0	0	0	0	0	0	
Magnesium	BRL	0.100	0	0	0	0	0	0	0	0	
Manganese	BRL	0.0150	0	0	0	0	0	0	0	0	
Molybdenum	BRL	0.0500	0	0	0	0	0	0	0	0	
Nickel	BRL	0.0200	0	0	0	0	0	0	0	0	
Potassium	BRL	0.500	0	0	0	0	0	0	0	0	
Selenium	BRL	0.0200	0	0	0	0	0	0	0	0	
Silver	BRL	0.0100	0	0	0	0	0	0	0	0	
Sodium	BRL	1.00	0	0	0	0	0	0	0	0	
Thallium	BRL	0.0200	0	0	0	0	0	0	0	0	
Vanadium	BRL	0.0100	0	0	0	0	0	0	0	0	
Zinc	BRL	0.0200	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158805

Sample ID: **LCS-158805** Client ID: Units: **mg/L** Prep Date: **03/12/2012** Run No: **216894**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **158805** Analysis Date: **03/12/2012** Seq No: **4534543**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.894	0.200	10	0	98.9	80	120	0	0	0	
Antimony	0.9934	0.0200	1	0	99.3	80	120	0	0	0	
Arsenic	0.9849	0.0500	1	0.002164	98.3	80	120	0	0	0	
Barium	0.9828	0.0200	1	0	98.3	80	120	0	0	0	
Beryllium	0.9782	0.0100	1	0	97.8	80	120	0	0	0	
Cadmium	0.9851	0.0050	1	0	98.5	80	120	0	0	0	
Calcium	9.892	0.100	10	0.01133	98.8	80	120	0	0	0	
Chromium	0.9796	0.0100	1	0	98	80	120	0	0	0	
Cobalt	0.9834	0.0200	1	0	98.3	80	120	0	0	0	
Copper	0.9789	0.0100	1	0	97.9	80	120	0	0	0	
Iron	9.828	0.100	10	0	98.3	80	120	0	0	0	
Lead	0.9829	0.0100	1	0	98.3	80	120	0	0	0	
Magnesium	9.792	0.100	10	0	97.9	80	120	0	0	0	
Manganese	0.9825	0.0150	1	0	98.2	80	120	0	0	0	
Molybdenum	0.9968	0.0500	1	0	99.7	80	120	0	0	0	
Nickel	0.9852	0.0200	1	0	98.5	80	120	0	0	0	
Potassium	10.10	0.500	10	0	101	80	120	0	0	0	
Selenium	0.9829	0.0200	1	0	98.3	80	120	0	0	0	
Silver	0.09786	0.0100	0.1	0	97.9	80	120	0	0	0	
Sodium	9.914	1.00	10	0	99.1	80	120	0	0	0	
Thallium	0.9281	0.0200	1	0	92.8	80	120	0	0	0	
Vanadium	0.9834	0.0100	1	0	98.3	80	120	0	0	0	
Zinc	0.9857	0.0200	1	0	98.6	80	120	0	0	0	

Sample ID: **1203695-003CMS** Client ID: Units: **mg/L** Prep Date: **03/12/2012** Run No: **216894**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **158805** Analysis Date: **03/12/2012** Seq No: **4534548**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158805

Sample ID: **1203695-003CMS** Client ID: Units: **mg/L** Prep Date: **03/12/2012** Run No: **216894**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158805** Analysis Date: **03/12/2012** Seq No: **4534548**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.817	0.200	10	0	98.2	75	125	0	0	0	
Antimony	0.9721	0.0200	1	0	97.2	75	125	0	0	0	
Arsenic	0.9730	0.0500	1	0	97.3	75	125	0	0	0	
Barium	1.017	0.0200	1	0.05910	95.8	75	125	0	0	0	
Beryllium	0.9654	0.0100	1	0	96.5	75	125	0	0	0	
Cadmium	0.9706	0.0050	1	0	97.1	75	125	0	0	0	
Calcium	26.91	0.100	10	17.19	97.1	75	125	0	0	0	
Chromium	0.9640	0.0100	1	0	96.4	75	125	0	0	0	
Cobalt	0.9625	0.0200	1	0.004747	95.8	75	125	0	0	0	
Copper	0.9639	0.0100	1	0	96.4	75	125	0	0	0	
Iron	9.770	0.100	10	0.1718	96	75	125	0	0	0	
Lead	0.9581	0.0100	1	0.001987	95.6	75	125	0	0	0	
Magnesium	19.15	0.100	10	9.814	93.3	75	125	0	0	0	
Manganese	5.855	0.0150	1	4.931	92.4	75	125	0	0	0	
Molybdenum	0.9749	0.0500	1	0	97.5	75	125	0	0	0	
Nickel	0.9543	0.0200	1	0.002258	95.2	75	125	0	0	0	
Potassium	14.00	0.500	10	3.284	107	75	125	0	0	0	
Selenium	0.9738	0.0200	1	0.005735	96.8	75	125	0	0	0	
Silver	0.09642	0.0100	0.1	0	96.4	75	125	0	0	0	
Sodium	21.06	1.00	10	8.999	121	75	125	0	0	0	
Thallium	0.9160	0.0200	1	0	91.6	75	125	0	0	0	
Vanadium	0.9670	0.0100	1	0	96.7	75	125	0	0	0	
Zinc	0.9717	0.0200	1	0.007658	96.4	75	125	0	0	0	

Sample ID: **1203695-003CMSD** Client ID: Units: **mg/L** Prep Date: **03/12/2012** Run No: **216894**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158805** Analysis Date: **03/12/2012** Seq No: **4534549**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158805

Sample ID: **1203695-003CMSD** Client ID:
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C**
Units: **mg/L** Prep Date: **03/12/2012** Run No: **216894**
BatchID: **158805** Analysis Date: **03/12/2012** Seq No: **4534549**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.760	0.200	10	0	97.6	75	125	9.817	0.578	20	
Antimony	0.9694	0.0200	1	0	96.9	75	125	0.9721	0.278	20	
Arsenic	0.9706	0.0500	1	0	97.1	75	125	0.9730	0.246	20	
Barium	1.012	0.0200	1	0.05910	95.3	75	125	1.017	0.443	20	
Beryllium	0.9591	0.0100	1	0	95.9	75	125	0.9654	0.662	20	
Cadmium	0.9610	0.0050	1	0	96.1	75	125	0.9706	0.997	20	
Calcium	26.43	0.100	10	17.19	92.4	75	125	26.91	1.79	20	
Chromium	0.9601	0.0100	1	0	96	75	125	0.9640	0.41	20	
Cobalt	0.9539	0.0200	1	0.004747	94.9	75	125	0.9625	0.897	20	
Copper	0.9590	0.0100	1	0	95.9	75	125	0.9639	0.508	20	
Iron	9.759	0.100	10	0.1718	95.9	75	125	9.770	0.107	20	
Lead	0.9518	0.0100	1	0.001987	95	75	125	0.9581	0.651	20	
Magnesium	18.82	0.100	10	9.814	90	75	125	19.15	1.75	20	
Manganese	5.734	0.0150	1	4.931	80.3	75	125	5.855	2.1	20	
Molybdenum	0.9728	0.0500	1	0	97.3	75	125	0.9749	0.216	20	
Nickel	0.9508	0.0200	1	0.002258	94.8	75	125	0.9543	0.376	20	
Potassium	13.80	0.500	10	3.284	105	75	125	14.00	1.42	20	
Selenium	0.9769	0.0200	1	0.005735	97.1	75	125	0.9738	0.318	20	
Silver	0.09640	0.0100	0.1	0	96.4	75	125	0.09642	0.015	20	
Sodium	20.69	1.00	10	8.999	117	75	125	21.06	1.76	20	
Thallium	0.9141	0.0200	1	0	91.4	75	125	0.9160	0.198	20	
Vanadium	0.9614	0.0100	1	0	96.1	75	125	0.9670	0.575	20	
Zinc	0.9685	0.0200	1	0.007658	96.1	75	125	0.9717	0.326	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158860

Sample ID: **MB-158860** Client ID: Units: **mg/L** Prep Date: **03/13/2012** Run No: **216940**
SampleType: **MBLK** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **158860** Analysis Date: **03/13/2012** Seq No: **4536189**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0500	0	0	0	0	0	0	0	0	
Barium	BRL	0.0200	0	0	0	0	0	0	0	0	
Cadmium	BRL	0.0050	0	0	0	0	0	0	0	0	
Chromium	BRL	0.0100	0	0	0	0	0	0	0	0	
Lead	BRL	0.0100	0	0	0	0	0	0	0	0	
Selenium	BRL	0.0200	0	0	0	0	0	0	0	0	
Silver	BRL	0.0100	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158860** Client ID: Units: **mg/L** Prep Date: **03/13/2012** Run No: **216940**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **158860** Analysis Date: **03/13/2012** Seq No: **4536188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.036	0.0500	1	0	104	80	120	0	0	0	
Barium	1.010	0.0200	1	0	101	80	120	0	0	0	
Cadmium	1.034	0.0050	1	0	103	80	120	0	0	0	
Chromium	0.9484	0.0100	1	0	94.8	80	120	0	0	0	
Lead	1.026	0.0100	1	0	103	80	120	0	0	0	
Selenium	1.053	0.0200	1	0	105	80	120	0	0	0	
Silver	0.1016	0.0100	0.1	0	102	80	120	0	0	0	

Sample ID: **1203706-001CMS** Client ID: **EW-2** Units: **mg/L** Prep Date: **03/13/2012** Run No: **216940**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **158860** Analysis Date: **03/13/2012** Seq No: **4536193**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9831	0.0500	1	0	98.3	75	125	0	0	0	
Barium	1.007	0.0200	1	0.05653	95.1	75	125	0	0	0	
Cadmium	0.9626	0.0050	1	0	96.3	75	125	0	0	0	
Chromium	0.9442	0.0100	1	0	94.4	75	125	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158860

Sample ID: **1203706-001CMS** Client ID: **EW-2** Units: **mg/L** Prep Date: **03/13/2012** Run No: **216940**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **158860** Analysis Date: **03/13/2012** Seq No: **4536193**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	0.9577	0.0100	1	0	95.8	75	125	0	0	0	
Selenium	0.9783	0.0200	1	0	97.8	75	125	0	0	0	
Silver	0.09569	0.0100	0.1	0	95.7	75	125	0	0	0	

Sample ID: **1203706-001CMSD** Client ID: **EW-2** Units: **mg/L** Prep Date: **03/13/2012** Run No: **216940**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **158860** Analysis Date: **03/13/2012** Seq No: **4536195**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.023	0.0500	1	0	102	75	125	0.9831	3.97	20	
Barium	1.033	0.0200	1	0.05653	97.7	75	125	1.007	2.54	20	
Cadmium	1.004	0.0050	1	0	100	75	125	0.9626	4.18	20	
Chromium	0.9290	0.0100	1	0	92.9	75	125	0.9442	1.62	20	
Lead	0.9916	0.0100	1	0	99.2	75	125	0.9577	3.48	20	
Selenium	1.042	0.0200	1	0	104	75	125	0.9783	6.3	20	
Silver	0.09842	0.0100	0.1	0	98.4	75	125	0.09569	2.81	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158866

Sample ID: **MB-158866** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216900**
SampleType: **MBLK** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **158866** Analysis Date: **03/13/2012** Seq No: **4534620**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	BRL	9	0	0	0	0	0	0	0	0	
Ethylene	BRL	7	0	0	0	0	0	0	0	0	
Methane	BRL	4	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158866** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216900**
SampleType: **LCS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **158866** Analysis Date: **03/13/2012** Seq No: **4534631**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	103.8	9	200	0	51.9	37.9	115	0	0	0	
Ethylene	69.18	7	200	0	34.6	26.6	115	0	0	0	
Methane	113.9	4	200	0	56.9	38.4	115	0	0	0	

Sample ID: **LCSD-158866** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216900**
SampleType: **LCSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **158866** Analysis Date: **03/13/2012** Seq No: **4534640**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	105.1	9	200	0	52.6	37.9	115	103.8	1.26	20	
Ethylene	70.16	7	200	0	35.1	26.6	115	69.18	1.41	20	
Methane	115.2	4	200	0	57.6	38.4	115	113.9	1.21	20	

Sample ID: **1203449-001AMS** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216900**
SampleType: **MS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **158866** Analysis Date: **03/13/2012** Seq No: **4534833**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	118.5	9	200	0	59.3	38.9	115	0	0	0	
Ethylene	77.44	7	200	0	38.7	23.1	115	0	0	0	
Methane	128.8	4	200	0	64.4	38.4	115	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158866

Sample ID: **1203449-001AMSD** Client ID:
SampleType: **MSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175**
Units: **ug/L** BatchID: **158866**
Prep Date: **03/13/2012** Analysis Date: **03/13/2012**
Run No: **216900** Seq No: **4534863**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	118.2	9	200	0	59.1	38.9	115	118.5	0.214	20	
Ethylene	77.41	7	200	0	38.7	23.1	115	77.44	0.036	20	
Methane	129.0	4	200	0	64.5	38.4	115	128.8	0.17	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158879

Sample ID: **MB-158879** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216884**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158879** Analysis Date: **03/13/2012** Seq No: **4534414**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158879

Sample ID: **MB-158879** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216884**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158879** Analysis Date: **03/13/2012** Seq No: **4534414**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	45.41	0	50	0	90.8	67.4	123	0	0	0	
Surr: Dibromofluoromethane	53.83	0	50	0	108	75.5	128	0	0	0	
Surr: Toluene-d8	47.46	0	50	0	94.9	70	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158879

Sample ID: **LCS-158879** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216884**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158879** Analysis Date: **03/13/2012** Seq No: **4534413**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	42.81	5.0	50	0	85.6	60	140	0	0	0	
Benzene	52.18	5.0	50	0	104	70	130	0	0	0	
Chlorobenzene	57.60	5.0	50	0	115	70	130	0	0	0	
Toluene	53.72	5.0	50	0	107	70	130	0	0	0	
Trichloroethene	55.94	5.0	50	0	112	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	51.01	0	50	0	102	67.4	123	0	0	0	
Surr: Dibromofluoromethane	53.90	0	50	0	108	75.5	128	0	0	0	
Surr: Toluene-d8	48.43	0	50	0	96.9	70	120	0	0	0	

Sample ID: **1203973-001AMS** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216884**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158879** Analysis Date: **03/13/2012** Seq No: **4535007**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	38.10	5.0	50	0	76.2	50.1	179	0	0	0	
Benzene	47.11	5.0	50	0	94.2	61.2	150	0	0	0	
Chlorobenzene	49.87	5.0	50	0	99.7	72.1	140	0	0	0	
Toluene	48.13	5.0	50	0	96.3	58.7	154	0	0	0	
Trichloroethene	51.34	5.0	50	0	103	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	52.04	0	50	0	104	67.4	123	0	0	0	
Surr: Dibromofluoromethane	55.81	0	50	0	112	75.5	128	0	0	0	
Surr: Toluene-d8	49.56	0	50	0	99.1	70	120	0	0	0	

Sample ID: **1203973-001AMSD** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216884**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158879** Analysis Date: **03/13/2012** Seq No: **4535025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	38.44	5.0	50	0	76.9	50.1	179	38.10	0.888	23.3	
Benzene	45.67	5.0	50	0	91.3	61.2	150	47.11	3.1	19	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158879

Sample ID: **1203973-001AMSD** Client ID: Units: **ug/L** Prep Date: **03/13/2012** Run No: **216884**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158879** Analysis Date: **03/13/2012** Seq No: **4535025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	47.48	5.0	50	0	95	72.1	140	49.87	4.91	21.5	
Toluene	47.37	5.0	50	0	94.7	58.7	154	48.13	1.59	20	
Trichloroethene	50.86	5.0	50	0	102	68.3	149	51.34	0.939	17.7	
Surr: 4-Bromofluorobenzene	50.94	0	50	0	102	67.4	123	52.04	0	0	
Surr: Dibromofluoromethane	56.05	0	50	0	112	75.5	128	55.81	0	0	
Surr: Toluene-d8	49.35	0	50	0	98.7	70	120	49.56	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158894

Sample ID: **MB-158894**	Client ID:					Units: **mg/L**		Prep Date: **03/12/2012**		Run No: **216947**	
SampleType: **MBLK**	TestCode: **Sulfide by SW9030B/9034**					BatchID: **158894**		Analysis Date: **03/13/2012**		Seq No: **4535690**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	BRL	2.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158894**	Client ID:					Units: **mg/L**		Prep Date: **03/12/2012**		Run No: **216947**	
SampleType: **LCS**	TestCode: **Sulfide by SW9030B/9034**					BatchID: **158894**		Analysis Date: **03/13/2012**		Seq No: **4535691**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	392.0	2.00	392	0	100	40	120	0	0	0	

Sample ID: **1203569-001DMS**	Client ID:					Units: **mg/L**		Prep Date: **03/12/2012**		Run No: **216947**	
SampleType: **MS**	TestCode: **Sulfide by SW9030B/9034**					BatchID: **158894**		Analysis Date: **03/13/2012**		Seq No: **4535693**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	38.40	2.00	39.2	0	98	66.8	121	0	0	0	

Sample ID: **1203569-001DMSD**	Client ID:					Units: **mg/L**		Prep Date: **03/12/2012**		Run No: **216947**	
SampleType: **MSD**	TestCode: **Sulfide by SW9030B/9034**					BatchID: **158894**		Analysis Date: **03/13/2012**		Seq No: **4535694**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	38.00	2.00	39.2	0	96.9	66.8	121	38.40	1.05	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158903

Sample ID: **MB-158903**	Client ID:				Units: **mg/L**		Prep Date: **03/14/2012**		Run No: **217065**
SampleType: **MBLK**	TestCode: **Mercury, Dissolved SW7470A**				BatchID: **158903**		Analysis Date: **03/14/2012**		Seq No: **4538004**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158903**	Client ID:				Units: **mg/L**		Prep Date: **03/14/2012**		Run No: **217065**
SampleType: **LCS**	TestCode: **Mercury, Dissolved SW7470A**				BatchID: **158903**		Analysis Date: **03/14/2012**		Seq No: **4538005**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005389	0.00020	0.005	0	108	85	115	0	0	0	

Sample ID: **1203706-001CMS**	Client ID: **EW-2**				Units: **mg/L**		Prep Date: **03/14/2012**		Run No: **217065**
SampleType: **MS**	TestCode: **Mercury, Dissolved SW7470A**				BatchID: **158903**		Analysis Date: **03/14/2012**		Seq No: **4538008**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004376	0.00020	0.005	0	87.5	70	130	0	0	0	

Sample ID: **1203706-001CMSD**	Client ID: **EW-2**				Units: **mg/L**		Prep Date: **03/14/2012**		Run No: **217065**
SampleType: **MSD**	TestCode: **Mercury, Dissolved SW7470A**				BatchID: **158903**		Analysis Date: **03/14/2012**		Seq No: **4538009**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004454	0.00020	0.005	0	89.1	70	130	0.004376	1.77	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158904

Sample ID: **MB-158904**	Client ID:					Units: **mg/L**		Prep Date: **03/14/2012**		Run No: **217076**	
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**					BatchID: **158904**		Analysis Date: **03/14/2012**		Seq No: **4538134**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158904**	Client ID:					Units: **mg/L**		Prep Date: **03/14/2012**		Run No: **217076**	
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**					BatchID: **158904**		Analysis Date: **03/14/2012**		Seq No: **4538136**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005402	0.00020	0.005	0	108	85	115	0	0	0	

Sample ID: **1203A23-001EMS**	Client ID:					Units: **mg/L**		Prep Date: **03/14/2012**		Run No: **217076**	
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**					BatchID: **158904**		Analysis Date: **03/14/2012**		Seq No: **4538139**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005574	0.00020	0.005	0	111	70	130	0	0	0	

Sample ID: **1203A23-001EMSD**	Client ID:					Units: **mg/L**		Prep Date: **03/14/2012**		Run No: **217076**	
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**					BatchID: **158904**		Analysis Date: **03/14/2012**		Seq No: **4538141**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005623	0.00020	0.005	0	112	70	130	0.005574	0.868	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: R216739

Sample ID: **MB-R216739**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **216739**	
SampleType: **MBLK**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R216739**		Analysis Date: **03/09/2012**		Seq No: **4531521**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Organic Carbon, Total	BRL	1.00	0	0	0	0	0	0	0	0

Sample ID: **LCS-R216739**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **216739**	
SampleType: **LCS**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R216739**		Analysis Date: **03/09/2012**		Seq No: **4531519**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Organic Carbon, Total	25.30	1.00	25	0	101	90	110	0	0	0

Sample ID: **1203706-005DMS**	Client ID: **EW-1**				Units: **mg/L**		Prep Date:		Run No: **216739**	
SampleType: **MS**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R216739**		Analysis Date: **03/09/2012**		Seq No: **4531532**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Organic Carbon, Total	24.97	1.00	25	0.7351	96.9	80	120	0	0	0

Sample ID: **1203706-005DMSD**	Client ID: **EW-1**				Units: **mg/L**		Prep Date:		Run No: **216739**	
SampleType: **MSD**	TestCode: **Total Organic Carbon (TOC) SW9060A**				BatchID: **R216739**		Analysis Date: **03/09/2012**		Seq No: **4531536**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Organic Carbon, Total	25.11	1.00	25	0.7351	97.5	80	120	24.97	0.559	20

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: R216749

Sample ID: **MB-R216749**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **216749**	
SampleType: **MBLK**	TestCode: **ION SCAN SW9056A**				BatchID: **R216749**		Analysis Date: **03/09/2012**		Seq No: **4531679**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Chloride	BRL	1.0	0	0	0	0	0	0	0	0
Nitrate	BRL	0.25	0	0	0	0	0	0	0	0
Nitrite	BRL	0.25	0	0	0	0	0	0	0	0
Sulfate	BRL	1.0	0	0	0	0	0	0	0	0

Sample ID: **LCS-R216749**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **216749**	
SampleType: **LCS**	TestCode: **ION SCAN SW9056A**				BatchID: **R216749**		Analysis Date: **03/09/2012**		Seq No: **4531678**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Chloride	9.609	1.0	10	0	96.1	90	110	0	0	0
Nitrate	4.729	0.25	5	0	94.6	90	110	0	0	0
Nitrite	4.664	0.25	5	0	93.3	90	110	0	0	0
Sulfate	24.27	1.0	25	0	97.1	90	110	0	0	0

Sample ID: **1203706-003GMS**	Client ID: **GW-1**				Units: **mg/L**		Prep Date:		Run No: **216749**	
SampleType: **MS**	TestCode: **ION SCAN SW9056A**				BatchID: **R216749**		Analysis Date: **03/09/2012**		Seq No: **4531683**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Chloride	14.66	1.0	10	5.203	94.6	90	110	0	0	0
Nitrate	7.925	0.25	5	2.808	102	90	110	0	0	0
Nitrite	4.812	0.25	5	0	96.2	90	110	0	0	0
Sulfate	41.67	1.0	25	18.61	92.3	90	110	0	0	0

Sample ID: **1203706-003GMSD**	Client ID: **GW-1**				Units: **mg/L**		Prep Date:		Run No: **216749**	
SampleType: **MSD**	TestCode: **ION SCAN SW9056A**				BatchID: **R216749**		Analysis Date: **03/09/2012**		Seq No: **4531684**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Chloride	14.69	1.0	10	5.203	94.9	90	110	14.66	0.216	20

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: **R216749**

Sample ID: **1203706-003GMSD** Client ID: **GW-1** Units: **mg/L** Prep Date: Run No: **216749**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R216749** Analysis Date: **03/09/2012** Seq No: **4531684**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nitrate	7.923	0.25	5	2.808	102	90	110	7.925	0.02	20	
Nitrite	4.800	0.25	5	0	96	90	110	4.812	0.248	20	
Sulfate	41.58	1.0	25	18.61	91.9	90	110	41.67	0.221	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: R216789

Sample ID: **MB-R216789**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **216789**	
SampleType: **MBLK**	TestCode: **Ferrous Iron** **SM3500-Fe-B**				BatchID: **R216789**		Analysis Date: **03/09/2012**		Seq No: **4532249**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Iron, as Ferrous (Fe+2)	BRL	0.100	0	0	0	0	0	0	0	0

Sample ID: **LCS-R216789**	Client ID:				Units: **mg/L**		Prep Date:		Run No: **216789**	
SampleType: **LCS**	TestCode: **Ferrous Iron** **SM3500-Fe-B**				BatchID: **R216789**		Analysis Date: **03/09/2012**		Seq No: **4532250**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Iron, as Ferrous (Fe+2)	0.5279	0.100	0.5	0	106	85	115	0	0	0

Sample ID: **1203706-002HMS**	Client ID: **W-5**				Units: **mg/L**		Prep Date:		Run No: **216789**	
SampleType: **MS**	TestCode: **Ferrous Iron** **SM3500-Fe-B**				BatchID: **R216789**		Analysis Date: **03/09/2012**		Seq No: **4532255**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Iron, as Ferrous (Fe+2)	0.6784	0.100	0.5	0.1458	107	80	120	0	0	0

Sample ID: **1203706-002HMSD**	Client ID: **W-5**				Units: **mg/L**		Prep Date:		Run No: **216789**	
SampleType: **MSD**	TestCode: **Ferrous Iron** **SM3500-Fe-B**				BatchID: **R216789**		Analysis Date: **03/09/2012**		Seq No: **4532256**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Iron, as Ferrous (Fe+2)	0.6755	0.100	0.5	0.1458	106	80	120	0.6784	0.428	30

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: R216883

Sample ID: **MB-R216883**	Client ID:					Units: **mg/L**		Prep Date:		Run No: **216883**	
SampleType: **MBLK**	TestCode: **Alkalinity E310.2**					BatchID: **R216883**		Analysis Date: **03/13/2012**		Seq No: **4534321**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	BRL	10.0	0	0	0	0	0	0	0	0	

Sample ID: **LCS-R216883**	Client ID:					Units: **mg/L**		Prep Date:		Run No: **216883**	
SampleType: **LCS**	TestCode: **Alkalinity E310.2**					BatchID: **R216883**		Analysis Date: **03/13/2012**		Seq No: **4534322**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	249.0	10.0	250	0	99.6	75	125	0	0	0	

Sample ID: **1203597-004CDUP**	Client ID:					Units: **mg/L**		Prep Date:		Run No: **216883**	
SampleType: **DUP**	TestCode: **Alkalinity E310.2**					BatchID: **R216883**		Analysis Date: **03/13/2012**		Seq No: **4534340**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	22.40	10.0	0	0	0	0	0	21.10	5.98	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 30, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 139 Brampton Road Property

Dear Tyler Boyles: Order No: 1203734

Analytical Environmental Services, Inc. received 49 samples on March 8, 2012 5:50 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Kathryn E. Waters

Kathryn Waters
Project Manager

Revision 3/30/2012

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1203734

Date: 3/8/12 Page 1 of 4

COMPANY: AMEC

ADDRESS: 596 Plasters AVE Atlanta GA

PHONE: 404 817 0153

FAX: 404 817 0183

SAMPLED BY: Tyler Boyles

SIGNATURE: [signature]

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	PAH	Metals	Lead	Total Organic Carbon	REMARKS	No # of Containers
							PRESERVATION (See codes)						
							SM	NA	NA	NA	NA		
1	EW-01 2-4	3/5/12	1546	X		SO	X	X	X				6
2	EW-01 10-12										X		1
3	GP-01 1-2		1610							X			1
4	GP-01 3-4		1613							X		HOLD	1
5	GP-04 7'		1651							X			1
6	GP-03 1-2		1700				X	X	X				6
7	GP-03 6-7		1707				X	X	X				6
8	GP-02 1-2		1712							X			1
9	GP-02 3-4	3/5/12	1714							X		HOLD	1
10	GP-09 1-2	3/6/12	0817				X	X	X				6
11	GP-09 5-6		0819				X	X	X				6
12	GP-10 0-1		0840							X			1
13	GP-10 2-3		0841				X	X	X				6
14	GP-10 6-7	3/6/12	0844	X		SO	X	X	X				6

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	3/8/12 500	1: [signature]	3/8/12 5:50
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: 139 Brampton Rd Property
PROJECT #: 6121 09 0220
SITE ADDRESS: Savannah GA
SEND REPORT TO: Tyler Boyles
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 49

Turnaround Time Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1203734

Date: 3/8/12 Page 2 of 4

COMPANY: AMEC	ADDRESS: 396 Plasko, Ave Atlanta GA
PHONE: 404 817 0153	FAX: 404 817 0183
SAMPLED BY: Tyler Bayley	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	PAHs	Metals	Lead	PRESERVATION (See codes)				REMARKS	No # of Containers
											Soil	NA	NA	NA		
1	GP-11 0-1	3/6/12	0914	X		SO				X						1
2	GP-11 1-2		0915							X						1
3	GP-12 0-1		0933							X						1
4	GP-12 1-2		0934							X						1
5	GP-13 0-1		0954							X						1
6	GP-13 1-2		0956							X						1
7	GP-14 1'		1006							X						1
8	GP-14 2'		1007							X						1
9	GP-15 - 1		1020							X						1
10	GP-15 2'		1021							X						1
11	GP-16 1-2		1325				X	X	X							6
12	GP-16 6-7		1329				X	X	X							6
13	DUP-1		1330				X	X	X							6
14	GP-17 1	3/16/12	1345	X		SO				X						1

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ANALYSIS REQUESTED

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/8/12 930	1: 3/8/12 5:50	
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: 139 Brampton Rd Property

PROJECT #: 6121 09 0220

SITE ADDRESS: Savannah, GA

SEND REPORT TO: Tyler Bayley

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

RECEIPT

Total # of Containers: 29

Turnaround Time Request

- Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush **(auth req.)**
- Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1203734

Date: 3/8/12 Page 3 of 4

COMPANY:	ADDRESS:
AMEC	396 Plasters Ave Atlanta GA
PHONE: 404 817 0153	FAX: 404 817 0183
SAMPLED BY: Tyler Boyles	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	PAHs	Metals	Lead	PRESERVATION (See codes) SM1	NA	NA	NA	REMARKS	No # of Containers
1	GP-17 2'	3/6/12	1347	X		SO				X						1
2	GP-18 1'		1401							X						1
3	GP-18 2'		1403							X						1
4	EW-2 3-4'		1423				X	X	X							6
5	EW-2 5-6'		1426				X	X	X							6
6	GP-19 - 1'		1600							X						1
7	GP-19 2'		1602							X						1
8	~~GP-05 2-3'D~~ GP-05 2-3		1625				X	X	X							6
9	GP-08 6-7	3/6/12	1648				X	X	X							6
10	GP-07 1'	3/7/12	0823							X						1
11	GP-07 2'	3/7/12	0824							X						1
12	GP-06 4-5'	3/7/12	0846				X	X	X							6
13	~~GP-06~~															
14	GP-20 1'	3/7/12	0905	X		SO				X						1

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RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/8/12	1:	3/8/12
2:		2:	5:50
3:		3:	

PROJECT INFORMATION

PROJECT NAME: 139 Brampton Rd Property

PROJECT #: 6121 09 0220

SITE ADDRESS: Suwanee GA

SEND REPORT TO: Tyler Boyles

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

RECEIPT

Total # of Containers: 38

Turnaround Time Request

- Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush **(auth req.)**
- Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

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PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1203734

Date: 3/8/12 Page 4 of 4

COMPANY:	ADDRESS:
AMEC	396 Plasters Ave Atlanta GA
PHONE: 404 817 0153	FAX: 404 817 0183
SAMPLED BY: Tyler Bayles	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	PAHs	Metals	Lead	PRESERVATION (See codes) SW	NA	NA	N/A	REMARKS	No # of Containers
1	GP-20 2'	3/7/12	0906	X		SO				X					Hold	1
2	GP-21 1'		0918							X						1
3	GP-21 2'		0920							X					Hold	1
4	GP-22 1'		1317							X						1
5	GP-22 2'		1319							X					Hold	1
6	GP-25 3-4'		1335				X	X	X							6
7	GP-24 3-4		1355				X	X	X							6
8	~~SB~~ GP-26 2-3		1407				X	X	X							6
9	GP-23 2'	3/7/12	1423	X						X						1
10	SP-1	3/8/12	0815		X					X						1
11	SP-2	3/8/12	0945		X					X						1
12	TRIP BLANK						X									
13																
14																

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RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/8/12 500	1:	3/8/12 5:50
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: 139 Brampton Rd Property
PROJECT #: 6121 09 0220
SITE ADDRESS: Savannah, GA
SEND REPORT TO: Tyler Bayles
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 26

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
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PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab ID: 1203734

Case Narrative

Sample Receiving Nonconformance:

One of the three VOA vials for sample 1203734-001A was not labeled "EW-01 2-4". However, the samples were received in sets that allowed for proper identification. The samples were reported used the sample identification outlined on the chain of custody.

The collection time was not indicated on the Chain of Custody for sample 1203734-002A (EW-01 10-12). The collection time (16:02) was provided by Paul Gazzo on 3/20/12 at 1:05 pm.

Sample 1203734-054A "DUP-2" was included but not listed on the chain of custody. The sample was placed on hold.

The collection date for sample 1203734-028 (GP-17 1') was listed as "3/16/12" on the chain of custody. This was a transcription error since the samples were received on 3/8/12. The samples were reported with the collection date as "3/6/12".

Volatile Organic Compounds Analysis by Method 8260B:

Acetone value for sample 1203734-032A are "E" qualified indicating estimated values over linear calibration range. Sample was diluted and reanalyzed using the supplied methanol preserved sample at the minimum dilution allowed resulting in analytes being below reporting limits.

Per email instructions from Tyler Boyles on 3/21/12 at 11:20 am the laboratory was requested to report 1,4-Dioxane by method SW8260.

Per email instructions from Tyler Boyles on 3/23 at 12:48pm, sample 1203734-054A "DUP-2" should be taken off hold and reported for lead by SW6010.

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-01 2-4
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 3:46:00 PM
Lab ID:	1203734-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	180		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	159042	1	03/16/2012 17:50	JE
Surr: Dibromofluoromethane	112	71.8-135		%REC	159042	1	03/16/2012 17:50	JE
Surr: Toluene-d8	102	77.1-117		%REC	159042	1	03/16/2012 17:50	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.117		mg/Kg-dry	158852	1	03/13/2012 15:39	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,1,2,2-Tetrachloroethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,1,2-Trichloroethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,1-Dichloroethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,1-Dichloroethene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,2,4-Trichlorobenzene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,2-Dibromo-3-chloropropane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,2-Dibromoethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,2-Dichlorobenzene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,2-Dichloroethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,2-Dichloropropane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,3-Dichlorobenzene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
1,4-Dichlorobenzene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
2-Butanone	BRL	61		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
2-Hexanone	BRL	12		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
4-Methyl-2-pentanone	BRL	12		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Acetone	BRL	120		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Benzene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Bromodichloromethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Bromoform	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Bromomethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Carbon disulfide	BRL	12		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Carbon tetrachloride	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Chlorobenzene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Chloroethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Chloroform	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Chloromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
cis-1,2-Dichloroethene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
cis-1,3-Dichloropropene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Cyclohexane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Dibromochloromethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 17:50	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-01 2-4
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 3:46:00 PM
Lab ID:	1203734-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Freon-113	BRL	12		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Isopropylbenzene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
m,p-Xylene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Methyl acetate	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Methyl tert-butyl ether	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Methylcyclohexane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Methylene chloride	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
o-Xylene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Styrene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Tetrachloroethene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Toluene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
trans-1,2-Dichloroethene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
trans-1,3-Dichloropropene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Trichloroethene	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Trichlorofluoromethane	BRL	6.1		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Vinyl chloride	BRL	12		ug/Kg-dry	159042	1	03/16/2012 17:50	JE
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	159042	1	03/16/2012 17:50	JE
Surr: Dibromofluoromethane	112	71.8-135		%REC	159042	1	03/16/2012 17:50	JE
Surr: Toluene-d8	102	77.1-117		%REC	159042	1	03/16/2012 17:50	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Acenaphthylene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
1-Methylnaphthalene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
2-Methylnaphthalene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Acenaphthene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Fluorene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Phenanthrene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Anthracene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Fluoranthene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Pyrene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Benz(a)anthracene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Chrysene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Benzo(a)pyrene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Benzo(g,h,i)perylene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	158849	1	03/14/2012 11:09	NE
Surr: 2-Fluorobiphenyl	67.7	51.9-120		%REC	158849	1	03/14/2012 11:09	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-01 2-4
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 3:46:00 PM
Lab ID:	1203734-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	72.6	60.2-120		%REC	158849	1	03/14/2012 11:09	NE
Surr: Nitrobenzene-d5	63.1	45.6-120		%REC	158849	1	03/14/2012 11:09	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.70		mg/Kg-dry	158824	1	03/13/2012 18:09	TA
Barium	60.8	5.70		mg/Kg-dry	158824	1	03/13/2012 18:09	TA
Cadmium	BRL	2.85		mg/Kg-dry	158824	1	03/13/2012 18:09	TA
Chromium	7.13	2.85		mg/Kg-dry	158824	1	03/13/2012 18:09	TA
Lead	BRL	5.70		mg/Kg-dry	158824	1	03/13/2012 18:09	TA
Selenium	BRL	5.70		mg/Kg-dry	158824	1	03/13/2012 18:09	TA
Silver	BRL	2.85		mg/Kg-dry	158824	1	03/13/2012 18:09	TA
PERCENT MOISTURE D2216								
Percent Moisture	14.8	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-01 10-12
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 4:02:00 PM
Lab ID:	1203734-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon SW9060A Modified				**(SW9060 Modified)**				
Total Organic Carbon (TOC)	BRL	500		mg/Kg-dry	158830	1	03/13/2012 13:23	GR

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-01 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 4:10:00 PM
Lab ID:	1203734-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	11.9	6.01		mg/Kg-dry	158824	1	03/13/2012 18:13	TA
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-04 7'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 4:51:00 PM
Lab ID:	1203734-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	6.54	5.68		mg/Kg-dry	158824	1	03/13/2012 18:17	TA
PERCENT MOISTURE D2216								
Percent Moisture	18.6	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-03 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 5:00:00 PM
Lab ID:	1203734-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	190		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	159042	1	03/16/2012 18:15	JE
Surr: Dibromofluoromethane	117	71.8-135		%REC	159042	1	03/16/2012 18:15	JE
Surr: Toluene-d8	102	77.1-117		%REC	159042	1	03/16/2012 18:15	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.129		mg/Kg-dry	158852	1	03/13/2012 14:42	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	17	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,1,2,2-Tetrachloroethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,1,2-Trichloroethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,1-Dichloroethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,1-Dichloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2,4-Trichlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dibromo-3-chloropropane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dibromoethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dichlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dichloroethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dichloropropane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,3-Dichlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,4-Dichlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
2-Butanone	BRL	62		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
2-Hexanone	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
4-Methyl-2-pentanone	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Acetone	BRL	120		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Benzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Bromodichloromethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Bromoform	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Bromomethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Carbon disulfide	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Carbon tetrachloride	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Chlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Chloroethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Chloroform	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Chloromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
cis-1,2-Dichloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
cis-1,3-Dichloropropene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Cyclohexane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Dibromochloromethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-03 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 5:00:00 PM
Lab ID:	1203734-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Freon-113	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Isopropylbenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
m,p-Xylene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Methyl acetate	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Methyl tert-butyl ether	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Methylcyclohexane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Methylene chloride	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
o-Xylene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Styrene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Tetrachloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Toluene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
trans-1,2-Dichloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
trans-1,3-Dichloropropene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Trichloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Trichlorofluoromethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Vinyl chloride	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	159042	1	03/16/2012 18:15	JE
Surr: Dibromofluoromethane	117	71.8-135		%REC	159042	1	03/16/2012 18:15	JE
Surr: Toluene-d8	102	77.1-117		%REC	159042	1	03/16/2012 18:15	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Acenaphthylene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
1-Methylnaphthalene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
2-Methylnaphthalene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Acenaphthene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Fluorene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Phenanthrene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Anthracene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Fluoranthene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Pyrene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benz(a)anthracene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Chrysene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benzo(a)pyrene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Surr: 2-Fluorobiphenyl	84.4	51.9-120		%REC	158849	1	03/14/2012 17:31	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-03 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 5:00:00 PM
Lab ID:	1203734-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	86.1	60.2-120		%REC	158849	1	03/14/2012 17:31	NE
Surr: Nitrobenzene-d5	90	45.6-120		%REC	158849	1	03/14/2012 17:31	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.49		mg/Kg-dry	158824	1	03/13/2012 17:42	TA
Barium	25.8	6.49		mg/Kg-dry	158824	1	03/13/2012 17:42	TA
Cadmium	BRL	3.25		mg/Kg-dry	158824	1	03/13/2012 17:42	TA
Chromium	6.87	3.25		mg/Kg-dry	158824	1	03/13/2012 17:42	TA
Lead	8.13	6.49		mg/Kg-dry	158824	1	03/13/2012 17:42	TA
Selenium	BRL	6.49		mg/Kg-dry	158824	1	03/13/2012 17:42	TA
Silver	BRL	3.25		mg/Kg-dry	158824	1	03/13/2012 17:42	TA
PERCENT MOISTURE D2216								
Percent Moisture	23.2	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-03 6-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 5:07:00 PM
Lab ID:	1203734-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	160		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Surr: 4-Bromofluorobenzene	114	56.5-134		%REC	159111	1	03/16/2012 20:21	JE
Surr: Dibromofluoromethane	117	71.8-135		%REC	159111	1	03/16/2012 20:21	JE
Surr: Toluene-d8	96.4	77.1-117		%REC	159111	1	03/16/2012 20:21	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.120		mg/Kg-dry	158852	1	03/13/2012 14:51	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,1,2,2-Tetrachloroethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,1,2-Trichloroethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,1-Dichloroethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,1-Dichloroethene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,2,4-Trichlorobenzene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,2-Dibromo-3-chloropropane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,2-Dibromoethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,2-Dichlorobenzene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,2-Dichloroethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,2-Dichloropropane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,3-Dichlorobenzene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
1,4-Dichlorobenzene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
2-Butanone	BRL	52		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
2-Hexanone	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
4-Methyl-2-pentanone	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Acetone	BRL	100		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Benzene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Bromodichloromethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Bromoform	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Bromomethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Carbon disulfide	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Carbon tetrachloride	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Chlorobenzene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Chloroethane	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Chloroform	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Chloromethane	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
cis-1,2-Dichloroethene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
cis-1,3-Dichloropropene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Cyclohexane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Dibromochloromethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Dichlorodifluoromethane	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-03 6-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 5:07:00 PM
Lab ID:	1203734-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Freon-113	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Isopropylbenzene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
m,p-Xylene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Methyl acetate	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Methyl tert-butyl ether	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Methylcyclohexane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Methylene chloride	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
o-Xylene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Styrene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Tetrachloroethene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Toluene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
trans-1,2-Dichloroethene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
trans-1,3-Dichloropropene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Trichloroethene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Trichlorofluoromethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Vinyl chloride	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Surr: 4-Bromofluorobenzene	114	56.5-134		%REC	159111	1	03/16/2012 20:21	JE
Surr: Dibromofluoromethane	117	71.8-135		%REC	159111	1	03/16/2012 20:21	JE
Surr: Toluene-d8	96.4	77.1-117		%REC	159111	1	03/16/2012 20:21	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Acenaphthylene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
1-Methylnaphthalene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
2-Methylnaphthalene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Acenaphthene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Fluorene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Phenanthrene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Anthracene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Fluoranthene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Pyrene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Benz(a)anthracene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Chrysene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Benzo(a)pyrene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE
Surr: 2-Fluorobiphenyl	81.1	51.9-120		%REC	158849	1	03/14/2012 17:56	NE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-03 6-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 5:07:00 PM
Lab ID:	1203734-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	87.2	60.2-120		%REC	158849	1	03/14/2012 17:56	NE
Surr: Nitrobenzene-d5	79.1	45.6-120		%REC	158849	1	03/14/2012 17:56	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	26.0	5.78		mg/Kg-dry	158824	1	03/13/2012 18:41	TA
Barium	21.8	5.78		mg/Kg-dry	158824	1	03/13/2012 18:41	TA
Cadmium	BRL	2.89		mg/Kg-dry	158824	1	03/13/2012 18:41	TA
Chromium	23.9	2.89		mg/Kg-dry	158824	1	03/13/2012 18:41	TA
Lead	6.88	5.78		mg/Kg-dry	158824	1	03/13/2012 18:41	TA
Selenium	BRL	5.78		mg/Kg-dry	158824	1	03/13/2012 18:41	TA
Silver	BRL	2.89		mg/Kg-dry	158824	1	03/13/2012 18:41	TA
PERCENT MOISTURE D2216								
Percent Moisture	16.9	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-02 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 5:12:00 PM
Lab ID:	1203734-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	5.28	5.17		mg/Kg-dry	158824	1	03/13/2012 18:45	TA
PERCENT MOISTURE D2216								
Percent Moisture	9.30	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-09 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:17:00 AM
Lab ID:	1203734-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	170		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	159042	1	03/16/2012 07:55	JE
Surr: Dibromofluoromethane	116	71.8-135		%REC	159042	1	03/16/2012 07:55	JE
Surr: Toluene-d8	97	77.1-117		%REC	159042	1	03/16/2012 07:55	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.115		mg/Kg-dry	158852	1	03/13/2012 14:53	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,1,2,2-Tetrachloroethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,1,2-Trichloroethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,1-Dichloroethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,1-Dichloroethene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,2,4-Trichlorobenzene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,2-Dibromo-3-chloropropane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,2-Dibromoethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,2-Dichlorobenzene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,2-Dichloroethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,2-Dichloropropane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,3-Dichlorobenzene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
1,4-Dichlorobenzene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
2-Butanone	BRL	58		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
2-Hexanone	BRL	12		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
4-Methyl-2-pentanone	BRL	12		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Acetone	BRL	120		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Benzene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Bromodichloromethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Bromoform	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Bromomethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Carbon disulfide	BRL	12		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Carbon tetrachloride	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Chlorobenzene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Chloroethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Chloroform	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Chloromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
cis-1,2-Dichloroethene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
cis-1,3-Dichloropropene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Cyclohexane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Dibromochloromethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 07:55	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-09 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:17:00 AM
Lab ID:	1203734-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Freon-113	BRL	12		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Isopropylbenzene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
m,p-Xylene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Methyl acetate	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Methyl tert-butyl ether	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Methylcyclohexane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Methylene chloride	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
o-Xylene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Styrene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Tetrachloroethene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Toluene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
trans-1,2-Dichloroethene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
trans-1,3-Dichloropropene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Trichloroethene	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Trichlorofluoromethane	BRL	5.8		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Vinyl chloride	BRL	12		ug/Kg-dry	159042	1	03/16/2012 07:55	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	159042	1	03/16/2012 07:55	JE
Surr: Dibromofluoromethane	116	71.8-135		%REC	159042	1	03/16/2012 07:55	JE
Surr: Toluene-d8	97	77.1-117		%REC	159042	1	03/16/2012 07:55	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Acenaphthylene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
1-Methylnaphthalene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
2-Methylnaphthalene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Acenaphthene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Fluorene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Phenanthrene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Anthracene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Fluoranthene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Pyrene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Benz(a)anthracene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Chrysene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Benzo(a)pyrene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	158849	1	03/14/2012 16:28	NE
Surr: 2-Fluorobiphenyl	95	51.9-120		%REC	158849	1	03/14/2012 16:28	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-09 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:17:00 AM
Lab ID:	1203734-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	100	60.2-120		%REC	158849	1	03/14/2012 16:28	NE
Surr: Nitrobenzene-d5	78.7	45.6-120		%REC	158849	1	03/14/2012 16:28	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.59		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Barium	25.4	5.59		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Cadmium	BRL	2.79		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Chromium	7.82	2.79		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Lead	27.9	5.59		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Selenium	BRL	5.59		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Silver	BRL	2.79		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
PERCENT MOISTURE D2216								
Percent Moisture	14.1	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-09 5-6
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:19:00 AM
Lab ID:	1203734-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	210		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	159042	1	03/16/2012 08:19	JE
Surr: Dibromofluoromethane	119	71.8-135		%REC	159042	1	03/16/2012 08:19	JE
Surr: Toluene-d8	98.2	77.1-117		%REC	159042	1	03/16/2012 08:19	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.126		mg/Kg-dry	158852	1	03/13/2012 14:55	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,1,2,2-Tetrachloroethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,1,2-Trichloroethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,1-Dichloroethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,1-Dichloroethene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,2,4-Trichlorobenzene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,2-Dibromo-3-chloropropane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,2-Dibromoethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,2-Dichlorobenzene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,2-Dichloroethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,2-Dichloropropane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,3-Dichlorobenzene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
1,4-Dichlorobenzene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
2-Butanone	BRL	69		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
2-Hexanone	BRL	14		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
4-Methyl-2-pentanone	BRL	14		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Acetone	BRL	140		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Benzene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Bromodichloromethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Bromoform	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Bromomethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Carbon disulfide	BRL	14		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Carbon tetrachloride	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Chlorobenzene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Chloroethane	BRL	14		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Chloroform	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Chloromethane	BRL	14		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
cis-1,2-Dichloroethene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
cis-1,3-Dichloropropene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Cyclohexane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Dibromochloromethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Dichlorodifluoromethane	BRL	14		ug/Kg-dry	159042	1	03/16/2012 08:19	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-09 5-6
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:19:00 AM
Lab ID:	1203734-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Freon-113	BRL	14		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Isopropylbenzene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
m,p-Xylene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Methyl acetate	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Methyl tert-butyl ether	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Methylcyclohexane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Methylene chloride	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
o-Xylene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Styrene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Tetrachloroethene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Toluene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
trans-1,2-Dichloroethene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
trans-1,3-Dichloropropene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Trichloroethene	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Trichlorofluoromethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Vinyl chloride	BRL	14		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	159042	1	03/16/2012 08:19	JE
Surr: Dibromofluoromethane	119	71.8-135		%REC	159042	1	03/16/2012 08:19	JE
Surr: Toluene-d8	98.2	77.1-117		%REC	159042	1	03/16/2012 08:19	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Acenaphthylene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
1-Methylnaphthalene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
2-Methylnaphthalene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Acenaphthene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Fluorene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Phenanthrene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Anthracene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Fluoranthene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Pyrene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Benz(a)anthracene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Chrysene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Benzo(a)pyrene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Benzo(g,h,i)perylene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	158849	1	03/14/2012 16:56	NE
Surr: 2-Fluorobiphenyl	86.4	51.9-120		%REC	158849	1	03/14/2012 16:56	NE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-09 5-6
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:19:00 AM
Lab ID:	1203734-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	98.1	60.2-120		%REC	158849	1	03/14/2012 16:56	NE
Surr: Nitrobenzene-d5	78.5	45.6-120		%REC	158849	1	03/14/2012 16:56	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.18		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Barium	77.4	6.18		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Cadmium	BRL	3.09		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Chromium	11.9	3.09		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Lead	19.9	6.18		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Selenium	BRL	6.18		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Silver	BRL	3.09		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
PERCENT MOISTURE D2216								
Percent Moisture	20.8	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-10 0-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:40:00 AM
Lab ID:	1203734-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	24.3	5.94		mg/Kg-dry	158824	1	03/13/2012 19:03	TA
PERCENT MOISTURE D2216								
Percent Moisture	17.2	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-10 2-3
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:41:00 AM
Lab ID:	1203734-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	250		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	159042	1	03/16/2012 20:46	JE
Surr: Dibromofluoromethane	112	71.8-135		%REC	159042	1	03/16/2012 20:46	JE
Surr: Toluene-d8	96.5	77.1-117		%REC	159042	1	03/16/2012 20:46	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.112		mg/Kg-dry	158852	1	03/13/2012 15:02	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,1,2,2-Tetrachloroethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,1,2-Trichloroethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,1-Dichloroethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,1-Dichloroethene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,2,4-Trichlorobenzene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,2-Dibromo-3-chloropropane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,2-Dibromoethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,2-Dichlorobenzene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,2-Dichloroethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,2-Dichloropropane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,3-Dichlorobenzene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
1,4-Dichlorobenzene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
2-Butanone	BRL	83		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
2-Hexanone	BRL	17		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
4-Methyl-2-pentanone	BRL	17		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Acetone	BRL	170		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Benzene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Bromodichloromethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Bromoform	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Bromomethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Carbon disulfide	BRL	17		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Carbon tetrachloride	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Chlorobenzene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Chloroethane	BRL	17		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Chloroform	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Chloromethane	BRL	17		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
cis-1,2-Dichloroethene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
cis-1,3-Dichloropropene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Cyclohexane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Dibromochloromethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Dichlorodifluoromethane	BRL	17		ug/Kg-dry	159042	1	03/16/2012 20:46	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-10 2-3
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:41:00 AM
Lab ID:	1203734-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Freon-113	BRL	17		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Isopropylbenzene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
m,p-Xylene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Methyl acetate	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Methyl tert-butyl ether	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Methylcyclohexane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Methylene chloride	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
o-Xylene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Styrene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Tetrachloroethene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Toluene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
trans-1,2-Dichloroethene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
trans-1,3-Dichloropropene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Trichloroethene	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Trichlorofluoromethane	BRL	8.3		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Vinyl chloride	BRL	17		ug/Kg-dry	159042	1	03/16/2012 20:46	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	159042	1	03/16/2012 20:46	JE
Surr: Dibromofluoromethane	112	71.8-135		%REC	159042	1	03/16/2012 20:46	JE
Surr: Toluene-d8	96.5	77.1-117		%REC	159042	1	03/16/2012 20:46	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Acenaphthylene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
1-Methylnaphthalene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
2-Methylnaphthalene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Acenaphthene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Fluorene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Phenanthrene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Anthracene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Fluoranthene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Pyrene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Benz(a)anthracene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Chrysene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Benzo(b)fluoranthene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Benzo(a)pyrene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry	158849	1	03/14/2012 17:24	NE
Surr: 2-Fluorobiphenyl	88.4	51.9-120		%REC	158849	1	03/14/2012 17:24	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-10 2-3
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:41:00 AM
Lab ID:	1203734-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	101	60.2-120		%REC	158849	1	03/14/2012 17:24	NE
Surr: Nitrobenzene-d5	77.6	45.6-120		%REC	158849	1	03/14/2012 17:24	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	8.12	5.39		mg/Kg-dry	158824	1	03/13/2012 19:07	TA
Barium	40.0	5.39		mg/Kg-dry	158824	1	03/13/2012 19:07	TA
Cadmium	BRL	2.70		mg/Kg-dry	158824	1	03/13/2012 19:07	TA
Chromium	14.1	2.70		mg/Kg-dry	158824	1	03/13/2012 19:07	TA
Lead	16.2	5.39		mg/Kg-dry	158824	1	03/13/2012 19:07	TA
Selenium	BRL	5.39		mg/Kg-dry	158824	1	03/13/2012 19:07	TA
Silver	BRL	2.70		mg/Kg-dry	158824	1	03/13/2012 19:07	TA
PERCENT MOISTURE D2216								
Percent Moisture	11.3	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-10 6-7'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:44:00 AM
Lab ID:	1203734-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	170		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Surr: 4-Bromofluorobenzene	98.9	56.5-134		%REC	159042	1	03/16/2012 09:09	JE
Surr: Dibromofluoromethane	114	71.8-135		%REC	159042	1	03/16/2012 09:09	JE
Surr: Toluene-d8	100	77.1-117		%REC	159042	1	03/16/2012 09:09	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.133		mg/Kg-dry	158852	1	03/13/2012 15:04	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,1,2,2-Tetrachloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,1,2-Trichloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,1-Dichloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,1-Dichloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,2,4-Trichlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,2-Dibromo-3-chloropropane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,2-Dibromoethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,2-Dichlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,2-Dichloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,2-Dichloropropane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,3-Dichlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
1,4-Dichlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
2-Butanone	BRL	57		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
2-Hexanone	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
4-Methyl-2-pentanone	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Acetone	BRL	110		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Benzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Bromodichloromethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Bromoform	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Bromomethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Carbon disulfide	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Carbon tetrachloride	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Chlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Chloroethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Chloroform	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Chloromethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
cis-1,2-Dichloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
cis-1,3-Dichloropropene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Cyclohexane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Dibromochloromethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:09	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-10 6-7'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:44:00 AM
Lab ID:	1203734-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Freon-113	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Isopropylbenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
m,p-Xylene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Methyl acetate	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Methyl tert-butyl ether	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Methylcyclohexane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Methylene chloride	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
o-Xylene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Styrene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Tetrachloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Toluene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
trans-1,2-Dichloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
trans-1,3-Dichloropropene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Trichloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Trichlorofluoromethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Vinyl chloride	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Surr: 4-Bromofluorobenzene	98.9	56.5-134		%REC	159042	1	03/16/2012 09:09	JE
Surr: Dibromofluoromethane	114	71.8-135		%REC	159042	1	03/16/2012 09:09	JE
Surr: Toluene-d8	100	77.1-117		%REC	159042	1	03/16/2012 09:09	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Acenaphthylene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
1-Methylnaphthalene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
2-Methylnaphthalene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Acenaphthene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Fluorene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Phenanthrene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Anthracene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Fluoranthene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Pyrene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Benz(a)anthracene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Chrysene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Benzo(b)fluoranthene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Benzo(k)fluoranthene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Benzo(a)pyrene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Benzo(g,h,i)perylene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry	158849	1	03/14/2012 18:20	NE
Surr: 2-Fluorobiphenyl	85.4	51.9-120		%REC	158849	1	03/14/2012 18:20	NE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-10 6-7'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 8:44:00 AM
Lab ID:	1203734-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	98.1	60.2-120		%REC	158849	1	03/14/2012 18:20	NE
Surr: Nitrobenzene-d5	76.1	45.6-120		%REC	158849	1	03/14/2012 18:20	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.31		mg/Kg-dry	158824	1	03/13/2012 19:11	TA
Barium	31.3	6.31		mg/Kg-dry	158824	1	03/13/2012 19:11	TA
Cadmium	BRL	3.16		mg/Kg-dry	158824	1	03/13/2012 19:11	TA
Chromium	17.3	3.16		mg/Kg-dry	158824	1	03/13/2012 19:11	TA
Lead	8.62	6.31		mg/Kg-dry	158824	1	03/13/2012 19:11	TA
Selenium	BRL	6.31		mg/Kg-dry	158824	1	03/13/2012 19:11	TA
Silver	BRL	3.16		mg/Kg-dry	158824	1	03/13/2012 19:11	TA
PERCENT MOISTURE D2216								
Percent Moisture	25.8	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-11 0-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 9:14:00 AM
Lab ID:	1203734-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	9.67	6.01		mg/Kg-dry	158824	1	03/13/2012 19:15	TA
PERCENT MOISTURE D2216								
Percent Moisture	18.1	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-11 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 9:15:00 AM
Lab ID:	1203734-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	23.8	6.30		mg/Kg-dry	158824	1	03/13/2012 19:19	TA
PERCENT MOISTURE D2216								
Percent Moisture	22.7	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-12 0-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 9:33:00 AM
Lab ID:	1203734-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	40.0	5.16		mg/Kg-dry	158824	1	03/13/2012 19:24	TA
PERCENT MOISTURE D2216								
Percent Moisture	6.06	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-12 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 9:34:00 AM
Lab ID:	1203734-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	38.4	5.51		mg/Kg-dry	158824	1	03/13/2012 19:28	TA
PERCENT MOISTURE D2216								
Percent Moisture	12.4	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-13 0-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 9:54:00 AM
Lab ID:	1203734-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	462	6.33		mg/Kg-dry	158824	1	03/13/2012 19:32	TA
PERCENT MOISTURE D2216								
Percent Moisture	22.1	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-13 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 9:56:00 AM
Lab ID:	1203734-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	534	5.85		mg/Kg-dry	158824	1	03/13/2012 19:36	TA
PERCENT MOISTURE D2216								
Percent Moisture	22.2	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-14 1'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 10:06:00 AM
Lab ID:	1203734-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	8.34	5.52		mg/Kg-dry	158824	1	03/13/2012 19:41	TA
PERCENT MOISTURE D2216								
Percent Moisture	12.9	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-14 2'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 10:07:00 AM
Lab ID:	1203734-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	11.8	6.41		mg/Kg-dry	158824	1	03/13/2012 19:52	TA
PERCENT MOISTURE D2216								
Percent Moisture	23.2	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-15 1'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 10:20:00 AM
Lab ID:	1203734-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	58.9	4.93		mg/Kg-dry	158824	1	03/13/2012 19:56	TA
PERCENT MOISTURE D2216								
Percent Moisture	6.48	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-15 2'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 10:21:00 AM
Lab ID:	1203734-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	107	5.05		mg/Kg-dry	158825	1	03/13/2012 20:07	TA
PERCENT MOISTURE D2216								
Percent Moisture	9.54	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-16 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:25:00 PM
Lab ID:	1203734-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	170		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Surr: 4-Bromofluorobenzene	100	56.5-134		%REC	159042	1	03/16/2012 09:34	JE
Surr: Dibromofluoromethane	117	71.8-135		%REC	159042	1	03/16/2012 09:34	JE
Surr: Toluene-d8	100	77.1-117		%REC	159042	1	03/16/2012 09:34	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.127		mg/Kg-dry	158852	1	03/13/2012 15:06	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,1,2,2-Tetrachloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,1,2-Trichloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,1-Dichloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,1-Dichloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,2,4-Trichlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,2-Dibromo-3-chloropropane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,2-Dibromoethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,2-Dichlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,2-Dichloroethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,2-Dichloropropane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,3-Dichlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
1,4-Dichlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
2-Butanone	BRL	57		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
2-Hexanone	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
4-Methyl-2-pentanone	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Acetone	BRL	110		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Benzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Bromodichloromethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Bromoform	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Bromomethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Carbon disulfide	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Carbon tetrachloride	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Chlorobenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Chloroethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Chloroform	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Chloromethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
cis-1,2-Dichloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
cis-1,3-Dichloropropene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Cyclohexane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Dibromochloromethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:34	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-16 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:25:00 PM
Lab ID:	1203734-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Freon-113	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Isopropylbenzene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
m,p-Xylene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Methyl acetate	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Methyl tert-butyl ether	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Methylcyclohexane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Methylene chloride	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
o-Xylene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Styrene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Tetrachloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Toluene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
trans-1,2-Dichloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
trans-1,3-Dichloropropene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Trichloroethene	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Trichlorofluoromethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Vinyl chloride	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:34	JE
Surr: 4-Bromofluorobenzene	100	56.5-134		%REC	159042	1	03/16/2012 09:34	JE
Surr: Dibromofluoromethane	117	71.8-135		%REC	159042	1	03/16/2012 09:34	JE
Surr: Toluene-d8	100	77.1-117		%REC	159042	1	03/16/2012 09:34	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Acenaphthylene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
1-Methylnaphthalene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
2-Methylnaphthalene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Acenaphthene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Fluorene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Phenanthrene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Anthracene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Fluoranthene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Pyrene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Benz(a)anthracene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Chrysene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Benzo(a)pyrene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Benzo(g,h,i)perylene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 15:20	NE
Surr: 2-Fluorobiphenyl	82.8	51.9-120		%REC	158938	1	03/15/2012 15:20	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-16 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:25:00 PM
Lab ID:	1203734-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	95.2	60.2-120		%REC	158938	1	03/15/2012 15:20	NE
Surr: Nitrobenzene-d5	72	45.6-120		%REC	158938	1	03/15/2012 15:20	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.18		mg/Kg-dry	158825	1	03/13/2012 20:42	TA
Barium	28.7	6.18		mg/Kg-dry	158825	1	03/13/2012 20:42	TA
Cadmium	BRL	3.09		mg/Kg-dry	158825	1	03/13/2012 20:42	TA
Chromium	9.70	3.09		mg/Kg-dry	158825	1	03/13/2012 20:42	TA
Lead	32.7	6.18		mg/Kg-dry	158825	1	03/13/2012 20:42	TA
Selenium	BRL	6.18		mg/Kg-dry	158825	1	03/13/2012 20:42	TA
Silver	BRL	3.09		mg/Kg-dry	158825	1	03/13/2012 20:42	TA
PERCENT MOISTURE D2216								
Percent Moisture	21.8	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-16 6-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:29:00 PM
Lab ID:	1203734-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	230		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	159042	1	03/16/2012 09:59	JE
Surr: Dibromofluoromethane	114	71.8-135		%REC	159042	1	03/16/2012 09:59	JE
Surr: Toluene-d8	99.9	77.1-117		%REC	159042	1	03/16/2012 09:59	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.128		mg/Kg-dry	158852	1	03/13/2012 15:08	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,1,2,2-Tetrachloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,1,2-Trichloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,1-Dichloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,1-Dichloroethene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2,4-Trichlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dibromo-3-chloropropane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dibromoethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dichlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dichloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dichloropropane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,3-Dichlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,4-Dichlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
2-Butanone	BRL	77		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
2-Hexanone	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
4-Methyl-2-pentanone	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Acetone	BRL	150		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Benzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Bromodichloromethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Bromoform	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Bromomethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Carbon disulfide	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Carbon tetrachloride	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Chlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Chloroethane	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Chloroform	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Chloromethane	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
cis-1,2-Dichloroethene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
cis-1,3-Dichloropropene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Cyclohexane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Dibromochloromethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Dichlorodifluoromethane	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-16 6-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:29:00 PM
Lab ID:	1203734-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Freon-113	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Isopropylbenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
m,p-Xylene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Methyl acetate	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Methyl tert-butyl ether	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Methylcyclohexane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Methylene chloride	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
o-Xylene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Styrene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Tetrachloroethene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Toluene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
trans-1,2-Dichloroethene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
trans-1,3-Dichloropropene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Trichloroethene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Trichlorofluoromethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Vinyl chloride	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Surr: 4-Bromofluorobenzene	102	56.5-134		%REC	159042	1	03/16/2012 09:59	JE
Surr: Dibromofluoromethane	114	71.8-135		%REC	159042	1	03/16/2012 09:59	JE
Surr: Toluene-d8	99.9	77.1-117		%REC	159042	1	03/16/2012 09:59	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Acenaphthylene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
1-Methylnaphthalene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
2-Methylnaphthalene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Acenaphthene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Fluorene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Phenanthrene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Anthracene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Fluoranthene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Pyrene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Benz(a)anthracene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Chrysene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Benzo(a)pyrene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	158938	1	03/15/2012 15:48	NE
Surr: 2-Fluorobiphenyl	90	51.9-120		%REC	158938	1	03/15/2012 15:48	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-16 6-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:29:00 PM
Lab ID:	1203734-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	104	60.2-120		%REC	158938	1	03/15/2012 15:48	NE
Surr: Nitrobenzene-d5	82.5	45.6-120		%REC	158938	1	03/15/2012 15:48	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	8.15	5.94		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Barium	72.6	5.94		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Cadmium	BRL	2.97		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Chromium	12.2	2.97		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Lead	13.7	5.94		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Selenium	BRL	5.94		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Silver	BRL	2.97		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
PERCENT MOISTURE D2216								
Percent Moisture	22.9	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	DUP-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:30:00 PM
Lab ID:	1203734-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	210		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	159042	1	03/16/2012 10:24	JE
Surr: Dibromofluoromethane	115	71.8-135		%REC	159042	1	03/16/2012 10:24	JE
Surr: Toluene-d8	97.7	77.1-117		%REC	159042	1	03/16/2012 10:24	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.125		mg/Kg-dry	158852	1	03/13/2012 15:10	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,1,2,2-Tetrachloroethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,1,2-Trichloroethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,1-Dichloroethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,1-Dichloroethene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,2,4-Trichlorobenzene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,2-Dibromo-3-chloropropane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,2-Dibromoethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,2-Dichlorobenzene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,2-Dichloroethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,2-Dichloropropane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,3-Dichlorobenzene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
1,4-Dichlorobenzene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
2-Butanone	BRL	71		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
2-Hexanone	BRL	14		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
4-Methyl-2-pentanone	BRL	14		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Acetone	BRL	140		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Benzene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Bromodichloromethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Bromoform	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Bromomethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Carbon disulfide	BRL	14		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Carbon tetrachloride	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Chlorobenzene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Chloroethane	BRL	14		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Chloroform	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Chloromethane	BRL	14		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
cis-1,2-Dichloroethene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
cis-1,3-Dichloropropene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Cyclohexane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Dibromochloromethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Dichlorodifluoromethane	BRL	14		ug/Kg-dry	159042	1	03/16/2012 10:24	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	DUP-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:30:00 PM
Lab ID:	1203734-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Freon-113	BRL	14		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Isopropylbenzene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
m,p-Xylene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Methyl acetate	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Methyl tert-butyl ether	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Methylcyclohexane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Methylene chloride	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
o-Xylene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Styrene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Tetrachloroethene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Toluene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
trans-1,2-Dichloroethene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
trans-1,3-Dichloropropene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Trichloroethene	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Trichlorofluoromethane	BRL	7.1		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Vinyl chloride	BRL	14		ug/Kg-dry	159042	1	03/16/2012 10:24	JE
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	159042	1	03/16/2012 10:24	JE
Surr: Dibromofluoromethane	115	71.8-135		%REC	159042	1	03/16/2012 10:24	JE
Surr: Toluene-d8	97.7	77.1-117		%REC	159042	1	03/16/2012 10:24	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Acenaphthylene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
1-Methylnaphthalene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
2-Methylnaphthalene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Acenaphthene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Fluorene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Phenanthrene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Anthracene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Fluoranthene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Pyrene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Benz(a)anthracene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Chrysene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Benzo(a)pyrene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Benzo(g,h,i)perylene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 16:15	NE
Surr: 2-Fluorobiphenyl	91.7	51.9-120		%REC	158938	1	03/15/2012 16:15	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	DUP-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:30:00 PM
Lab ID:	1203734-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	104	60.2-120		%REC	158938	1	03/15/2012 16:15	NE
Surr: Nitrobenzene-d5	81.7	45.6-120		%REC	158938	1	03/15/2012 16:15	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.15		mg/Kg-dry	158825	1	03/13/2012 20:50	TA
Barium	43.3	6.15		mg/Kg-dry	158825	1	03/13/2012 20:50	TA
Cadmium	BRL	3.07		mg/Kg-dry	158825	1	03/13/2012 20:50	TA
Chromium	12.3	3.07		mg/Kg-dry	158825	1	03/13/2012 20:50	TA
Lead	7.33	6.15		mg/Kg-dry	158825	1	03/13/2012 20:50	TA
Selenium	BRL	6.15		mg/Kg-dry	158825	1	03/13/2012 20:50	TA
Silver	BRL	3.07		mg/Kg-dry	158825	1	03/13/2012 20:50	TA
PERCENT MOISTURE D2216								
Percent Moisture	20.3	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-17 1'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:45:00 PM
Lab ID:	1203734-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	15.6	6.44		mg/Kg-dry	158825	1	03/13/2012 20:54	TA
PERCENT MOISTURE D2216								
Percent Moisture	28.6	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-17 2'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 1:47:00 PM
Lab ID:	1203734-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	10.5	5.90		mg/Kg-dry	158825	1	03/13/2012 20:58	TA
PERCENT MOISTURE D2216								
Percent Moisture	19.8	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-18 1'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 2:01:00 PM
Lab ID:	1203734-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	375	5.40		mg/Kg-dry	158825	1	03/13/2012 21:02	TA
PERCENT MOISTURE D2216								
Percent Moisture	9.14	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-18 2'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 2:03:00 PM
Lab ID:	1203734-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	8.91	5.66		mg/Kg-dry	158825	1	03/13/2012 21:06	TA
PERCENT MOISTURE D2216								
Percent Moisture	14.6	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2 3-4'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 2:23:00 PM
Lab ID:	1203734-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	160		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	159042	1	03/16/2012 10:49	JE
Surr: Dibromofluoromethane	103	71.8-135		%REC	159042	1	03/16/2012 10:49	JE
Surr: Toluene-d8	94.8	77.1-117		%REC	159042	1	03/16/2012 10:49	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.491	0.116		mg/Kg-dry	158852	1	03/13/2012 15:13	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,1,2,2-Tetrachloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,1,2-Trichloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,1-Dichloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,1-Dichloroethene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2,4-Trichlorobenzene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dibromo-3-chloropropane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dibromoethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dichlorobenzene	130	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dichloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dichloropropane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,3-Dichlorobenzene	7.4	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,4-Dichlorobenzene	18	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
2-Butanone	66	54		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
2-Hexanone	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
4-Methyl-2-pentanone	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Acetone	490	110	E	ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Benzene	140	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Bromodichloromethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Bromoform	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Bromomethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Carbon disulfide	11	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Carbon tetrachloride	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Chlorobenzene	96	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Chloroethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Chloroform	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Chloromethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
cis-1,2-Dichloroethene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
cis-1,3-Dichloropropene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Cyclohexane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Dibromochloromethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2 3-4'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 2:23:00 PM
Lab ID:	1203734-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	11000	330		ug/Kg-dry	158983	50	03/16/2012 17:59	SB
Freon-113	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Isopropylbenzene	180	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
m,p-Xylene	3600	330		ug/Kg-dry	158983	50	03/16/2012 17:59	SB
Methyl acetate	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Methyl tert-butyl ether	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Methylcyclohexane	27	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Methylene chloride	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
o-Xylene	140	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Styrene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Tetrachloroethene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Toluene	18	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
trans-1,2-Dichloroethene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
trans-1,3-Dichloropropene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Trichloroethene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Trichlorofluoromethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Vinyl chloride	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Surr: 4-Bromofluorobenzene	98.1	56.5-134		%REC	158983	50	03/16/2012 17:59	SB
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	159042	1	03/16/2012 10:49	JE
Surr: Dibromofluoromethane	91.1	71.8-135		%REC	158983	50	03/16/2012 17:59	SB
Surr: Dibromofluoromethane	103	71.8-135		%REC	159042	1	03/16/2012 10:49	JE
Surr: Toluene-d8	92.8	77.1-117		%REC	158983	50	03/16/2012 17:59	SB
Surr: Toluene-d8	94.8	77.1-117		%REC	159042	1	03/16/2012 10:49	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Acenaphthylene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
1-Methylnaphthalene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
2-Methylnaphthalene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Acenaphthene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Fluorene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Phenanthrene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Anthracene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Fluoranthene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Pyrene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Benz(a)anthracene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Chrysene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Benzo(a)pyrene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2 3-4'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 2:23:00 PM
Lab ID:	1203734-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(g,h,i)perylene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	158938	1	03/15/2012 16:44	NE
Surr: 2-Fluorobiphenyl	85.2	51.9-120		%REC	158938	1	03/15/2012 16:44	NE
Surr: 4-Terphenyl-d14	93.4	60.2-120		%REC	158938	1	03/15/2012 16:44	NE
Surr: Nitrobenzene-d5	74.6	45.6-120		%REC	158938	1	03/15/2012 16:44	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.38		mg/Kg-dry	158825	1	03/13/2012 21:10	TA
Barium	72.1	5.38		mg/Kg-dry	158825	1	03/13/2012 21:10	TA
Cadmium	BRL	2.69		mg/Kg-dry	158825	1	03/13/2012 21:10	TA
Chromium	102	2.69		mg/Kg-dry	158825	1	03/13/2012 21:10	TA
Lead	466	5.38		mg/Kg-dry	158825	1	03/13/2012 21:10	TA
Selenium	BRL	5.38		mg/Kg-dry	158825	1	03/13/2012 21:10	TA
Silver	BRL	2.69		mg/Kg-dry	158825	1	03/13/2012 21:10	TA
PERCENT MOISTURE D2216								
Percent Moisture	15.3	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2 5-6'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 2:26:00 PM
Lab ID:	1203734-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	200		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	159111	1	03/16/2012 21:11	JE
Surr: Dibromofluoromethane	112	71.8-135		%REC	159111	1	03/16/2012 21:11	JE
Surr: Toluene-d8	95.8	77.1-117		%REC	159111	1	03/16/2012 21:11	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.132		mg/Kg-dry	158852	1	03/13/2012 15:15	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,1,2,2-Tetrachloroethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,1,2-Trichloroethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,1-Dichloroethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,1-Dichloroethene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,2,4-Trichlorobenzene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,2-Dibromo-3-chloropropane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,2-Dibromoethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,2-Dichlorobenzene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,2-Dichloroethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,2-Dichloropropane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,3-Dichlorobenzene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
1,4-Dichlorobenzene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
2-Butanone	BRL	67		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
2-Hexanone	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
4-Methyl-2-pentanone	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Acetone	BRL	130		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Benzene	19	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Bromodichloromethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Bromoform	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Bromomethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Carbon disulfide	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Carbon tetrachloride	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Chlorobenzene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Chloroethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Chloroform	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Chloromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
cis-1,2-Dichloroethene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
cis-1,3-Dichloropropene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Cyclohexane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Dibromochloromethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Dichlorodifluoromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:11	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2 5-6'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 2:26:00 PM
Lab ID:	1203734-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Freon-113	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Isopropylbenzene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
m,p-Xylene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Methyl acetate	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Methyl tert-butyl ether	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Methylcyclohexane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Methylene chloride	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
o-Xylene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Styrene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Tetrachloroethene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Toluene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
trans-1,2-Dichloroethene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
trans-1,3-Dichloropropene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Trichloroethene	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Trichlorofluoromethane	BRL	6.7		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Vinyl chloride	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:11	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	159111	1	03/16/2012 21:11	JE
Surr: Dibromofluoromethane	112	71.8-135		%REC	159111	1	03/16/2012 21:11	JE
Surr: Toluene-d8	95.8	77.1-117		%REC	159111	1	03/16/2012 21:11	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Acenaphthylene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
1-Methylnaphthalene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
2-Methylnaphthalene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Acenaphthene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Fluorene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Phenanthrene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Anthracene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Fluoranthene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Pyrene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Benz(a)anthracene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Chrysene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Benzo(b)fluoranthene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Benzo(k)fluoranthene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Benzo(a)pyrene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Benzo(g,h,i)perylene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry	158938	1	03/15/2012 17:11	NE
Surr: 2-Fluorobiphenyl	80.9	51.9-120		%REC	158938	1	03/15/2012 17:11	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2 5-6'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 2:26:00 PM
Lab ID:	1203734-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	94.9	60.2-120		%REC	158938	1	03/15/2012 17:11	NE
Surr: Nitrobenzene-d5	75.3	45.6-120		%REC	158938	1	03/15/2012 17:11	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	7.61	6.10		mg/Kg-dry	158825	1	03/13/2012 21:14	TA
Barium	64.0	6.10		mg/Kg-dry	158825	1	03/13/2012 21:14	TA
Cadmium	BRL	3.05		mg/Kg-dry	158825	1	03/13/2012 21:14	TA
Chromium	16.2	3.05		mg/Kg-dry	158825	1	03/13/2012 21:14	TA
Lead	12.5	6.10		mg/Kg-dry	158825	1	03/13/2012 21:14	TA
Selenium	BRL	6.10		mg/Kg-dry	158825	1	03/13/2012 21:14	TA
Silver	BRL	3.05		mg/Kg-dry	158825	1	03/13/2012 21:14	TA
PERCENT MOISTURE D2216								
Percent Moisture	25.4	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-19 1'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 4:00:00 PM
Lab ID:	1203734-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	30.6	5.84		mg/Kg-dry	158825	1	03/13/2012 21:25	TA
PERCENT MOISTURE D2216								
Percent Moisture	18.4	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-19 2'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 4:02:00 PM
Lab ID:	1203734-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	32.5	6.11		mg/Kg-dry	158825	1	03/13/2012 21:29	TA
PERCENT MOISTURE D2216								
Percent Moisture	18.7	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-05 2-3
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 4:25:00 PM
Lab ID:	1203734-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	200		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	159111	1	03/16/2012 21:36	JE
Surr: Dibromofluoromethane	119	71.8-135		%REC	159111	1	03/16/2012 21:36	JE
Surr: Toluene-d8	97.8	77.1-117		%REC	159111	1	03/16/2012 21:36	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.111		mg/Kg-dry	158852	1	03/13/2012 15:17	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,1,2,2-Tetrachloroethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,1,2-Trichloroethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,1-Dichloroethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,1-Dichloroethene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,2,4-Trichlorobenzene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,2-Dibromo-3-chloropropane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,2-Dibromoethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,2-Dichlorobenzene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,2-Dichloroethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,2-Dichloropropane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,3-Dichlorobenzene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
1,4-Dichlorobenzene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
2-Butanone	BRL	66		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
2-Hexanone	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
4-Methyl-2-pentanone	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Acetone	BRL	130		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Benzene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Bromodichloromethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Bromoform	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Bromomethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Carbon disulfide	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Carbon tetrachloride	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Chlorobenzene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Chloroethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Chloroform	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Chloromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
cis-1,2-Dichloroethene	1800	280		ug/Kg-dry	158983	50	03/19/2012 11:49	SB
cis-1,3-Dichloropropene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Cyclohexane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Dibromochloromethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Dichlorodifluoromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:36	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-05 2-3
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 4:25:00 PM
Lab ID:	1203734-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Freon-113	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Isopropylbenzene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
m,p-Xylene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Methyl acetate	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Methyl tert-butyl ether	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Methylcyclohexane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Methylene chloride	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
o-Xylene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Styrene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Tetrachloroethene	5200	280		ug/Kg-dry	158983	50	03/19/2012 11:49	SB
Toluene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
trans-1,2-Dichloroethene	43	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
trans-1,3-Dichloropropene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Trichloroethene	2200	280		ug/Kg-dry	158983	50	03/19/2012 11:49	SB
Trichlorofluoromethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Vinyl chloride	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:36	JE
Surr: 4-Bromofluorobenzene	92.5	56.5-134		%REC	158983	50	03/19/2012 11:49	SB
Surr: 4-Bromofluorobenzene	103	56.5-134		%REC	159111	1	03/16/2012 21:36	JE
Surr: Dibromofluoromethane	98.1	71.8-135		%REC	158983	50	03/19/2012 11:49	SB
Surr: Dibromofluoromethane	119	71.8-135		%REC	159111	1	03/16/2012 21:36	JE
Surr: Toluene-d8	92.6	77.1-117		%REC	158983	50	03/19/2012 11:49	SB
Surr: Toluene-d8	97.8	77.1-117		%REC	159111	1	03/16/2012 21:36	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Acenaphthylene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
1-Methylnaphthalene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
2-Methylnaphthalene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Acenaphthene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Fluorene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Phenanthrene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Anthracene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Fluoranthene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Pyrene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Benz(a)anthracene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Chrysene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Benzo(b)fluoranthene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Benzo(a)pyrene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
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- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-05 2-3
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 4:25:00 PM
Lab ID:	1203734-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 17:39	NE
Surr: 2-Fluorobiphenyl	78.6	51.9-120		%REC	158938	1	03/15/2012 17:39	NE
Surr: 4-Terphenyl-d14	93.4	60.2-120		%REC	158938	1	03/15/2012 17:39	NE
Surr: Nitrobenzene-d5	73.9	45.6-120		%REC	158938	1	03/15/2012 17:39	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.58		mg/Kg-dry	158825	1	03/13/2012 21:33	TA
Barium	23.0	5.58		mg/Kg-dry	158825	1	03/13/2012 21:33	TA
Cadmium	BRL	2.79		mg/Kg-dry	158825	1	03/13/2012 21:33	TA
Chromium	6.07	2.79		mg/Kg-dry	158825	1	03/13/2012 21:33	TA
Lead	6.58	5.58		mg/Kg-dry	158825	1	03/13/2012 21:33	TA
Selenium	BRL	5.58		mg/Kg-dry	158825	1	03/13/2012 21:33	TA
Silver	BRL	2.79		mg/Kg-dry	158825	1	03/13/2012 21:33	TA
PERCENT MOISTURE D2216								
Percent Moisture	11.3	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-08 6-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 4:48:00 PM
Lab ID:	1203734-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	190		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Surr: 4-Bromofluorobenzene	124	56.5-134		%REC	159111	1	03/16/2012 22:01	JE
Surr: Dibromofluoromethane	122	71.8-135		%REC	159111	1	03/16/2012 22:01	JE
Surr: Toluene-d8	113	77.1-117		%REC	159111	1	03/16/2012 22:01	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.121		mg/Kg-dry	158852	1	03/13/2012 15:19	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,1,2,2-Tetrachloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,1,2-Trichloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,1-Dichloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,1-Dichloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,2,4-Trichlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,2-Dibromo-3-chloropropane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,2-Dibromoethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,2-Dichlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,2-Dichloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,2-Dichloropropane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,3-Dichlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
1,4-Dichlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
2-Butanone	BRL	64		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
2-Hexanone	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
4-Methyl-2-pentanone	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Acetone	BRL	130		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Benzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Bromodichloromethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Bromoform	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Bromomethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Carbon disulfide	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Carbon tetrachloride	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Chlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Chloroethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Chloroform	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Chloromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
cis-1,2-Dichloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
cis-1,3-Dichloropropene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Cyclohexane	25	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Dibromochloromethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Dichlorodifluoromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:01	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-08 6-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 4:48:00 PM
Lab ID:	1203734-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	34	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Freon-113	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Isopropylbenzene	55	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
m,p-Xylene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Methyl acetate	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Methyl tert-butyl ether	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Methylcyclohexane	85	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Methylene chloride	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
o-Xylene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Styrene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Tetrachloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Toluene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
trans-1,2-Dichloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
trans-1,3-Dichloropropene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Trichloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Trichlorofluoromethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Vinyl chloride	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:01	JE
Surr: 4-Bromofluorobenzene	124	56.5-134		%REC	159111	1	03/16/2012 22:01	JE
Surr: Dibromofluoromethane	122	71.8-135		%REC	159111	1	03/16/2012 22:01	JE
Surr: Toluene-d8	113	77.1-117		%REC	159111	1	03/16/2012 22:01	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Acenaphthylene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
1-Methylnaphthalene	1200	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
2-Methylnaphthalene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Acenaphthene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Fluorene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Phenanthrene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Anthracene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Fluoranthene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Pyrene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Benz(a)anthracene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Chrysene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Benzo(b)fluoranthene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Benzo(a)pyrene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Surr: 2-Fluorobiphenyl	86.9	51.9-120		%REC	158938	1	03/15/2012 18:06	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-08 6-7
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 4:48:00 PM
Lab ID:	1203734-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	94.9	60.2-120		%REC	158938	1	03/15/2012 18:06	NE
Surr: Nitrobenzene-d5	81.2	45.6-120		%REC	158938	1	03/15/2012 18:06	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.97		mg/Kg-dry	158825	1	03/13/2012 21:37	TA
Barium	34.6	5.97		mg/Kg-dry	158825	1	03/13/2012 21:37	TA
Cadmium	BRL	2.99		mg/Kg-dry	158825	1	03/13/2012 21:37	TA
Chromium	7.28	2.99		mg/Kg-dry	158825	1	03/13/2012 21:37	TA
Lead	10.8	5.97		mg/Kg-dry	158825	1	03/13/2012 21:37	TA
Selenium	BRL	5.97		mg/Kg-dry	158825	1	03/13/2012 21:37	TA
Silver	BRL	2.99		mg/Kg-dry	158825	1	03/13/2012 21:37	TA
PERCENT MOISTURE D2216								
Percent Moisture	18.0	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-07 1'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 8:23:00 AM
Lab ID:	1203734-038	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	BRL	5.46		mg/Kg-dry	158825	1	03/13/2012 21:41	TA
PERCENT MOISTURE D2216								
Percent Moisture	11.6	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-07 2'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 8:24:00 AM
Lab ID:	1203734-039	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	BRL	5.59		mg/Kg-dry	158825	1	03/13/2012 21:45	TA
PERCENT MOISTURE D2216								
Percent Moisture	11.3	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-06 4-5'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 8:46:00 AM
Lab ID:	1203734-040	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	170		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Surr: 4-Bromofluorobenzene	109	56.5-134		%REC	159111	1	03/16/2012 22:27	JE
Surr: Dibromofluoromethane	111	71.8-135		%REC	159111	1	03/16/2012 22:27	JE
Surr: Toluene-d8	98	77.1-117		%REC	159111	1	03/16/2012 22:27	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.124		mg/Kg-dry	158852	1	03/13/2012 15:21	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,1,2,2-Tetrachloroethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,1,2-Trichloroethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,1-Dichloroethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,1-Dichloroethene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,2,4-Trichlorobenzene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,2-Dibromo-3-chloropropane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,2-Dibromoethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,2-Dichlorobenzene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,2-Dichloroethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,2-Dichloropropane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,3-Dichlorobenzene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
1,4-Dichlorobenzene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
2-Butanone	BRL	58		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
2-Hexanone	BRL	12		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
4-Methyl-2-pentanone	BRL	12		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Acetone	BRL	120		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Benzene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Bromodichloromethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Bromoform	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Bromomethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Carbon disulfide	BRL	12		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Carbon tetrachloride	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Chlorobenzene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Chloroethane	BRL	12		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Chloroform	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Chloromethane	BRL	12		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
cis-1,2-Dichloroethene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
cis-1,3-Dichloropropene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Cyclohexane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Dibromochloromethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	159111	1	03/16/2012 22:27	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-06 4-5'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 8:46:00 AM
Lab ID:	1203734-040	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Freon-113	BRL	12		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Isopropylbenzene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
m,p-Xylene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Methyl acetate	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Methyl tert-butyl ether	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Methylcyclohexane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Methylene chloride	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
o-Xylene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Styrene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Tetrachloroethene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Toluene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
trans-1,2-Dichloroethene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
trans-1,3-Dichloropropene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Trichloroethene	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Trichlorofluoromethane	BRL	5.8		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Vinyl chloride	BRL	12		ug/Kg-dry	159111	1	03/16/2012 22:27	JE
Surr: 4-Bromofluorobenzene	109	56.5-134		%REC	159111	1	03/16/2012 22:27	JE
Surr: Dibromofluoromethane	111	71.8-135		%REC	159111	1	03/16/2012 22:27	JE
Surr: Toluene-d8	98	77.1-117		%REC	159111	1	03/16/2012 22:27	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Acenaphthylene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
1-Methylnaphthalene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
2-Methylnaphthalene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Acenaphthene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Fluorene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Phenanthrene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Anthracene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Fluoranthene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Pyrene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Benz(a)anthracene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Chrysene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Benzo(b)fluoranthene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Benzo(k)fluoranthene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Benzo(a)pyrene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Benzo(g,h,i)perylene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry	158938	1	03/15/2012 18:33	NE
Surr: 2-Fluorobiphenyl	84	51.9-120		%REC	158938	1	03/15/2012 18:33	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-06 4-5'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 8:46:00 AM
Lab ID:	1203734-040	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	99.4	60.2-120		%REC	158938	1	03/15/2012 18:33	NE
Surr: Nitrobenzene-d5	79	45.6-120		%REC	158938	1	03/15/2012 18:33	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.02		mg/Kg-dry	158825	1	03/13/2012 21:49	TA
Barium	42.6	6.02		mg/Kg-dry	158825	1	03/13/2012 21:49	TA
Cadmium	BRL	3.01		mg/Kg-dry	158825	1	03/13/2012 21:49	TA
Chromium	8.15	3.01		mg/Kg-dry	158825	1	03/13/2012 21:49	TA
Lead	BRL	6.02		mg/Kg-dry	158825	1	03/13/2012 21:49	TA
Selenium	BRL	6.02		mg/Kg-dry	158825	1	03/13/2012 21:49	TA
Silver	BRL	3.01		mg/Kg-dry	158825	1	03/13/2012 21:49	TA
PERCENT MOISTURE D2216								
Percent Moisture	20.1	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-20 1'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 9:05:00 AM
Lab ID:	1203734-041	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	BRL	5.35		mg/Kg-dry	158825	1	03/13/2012 21:53	TA
PERCENT MOISTURE D2216								
Percent Moisture	12.8	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-21 1'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 9:18:00 AM
Lab ID:	1203734-043	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	25.2	5.43		mg/Kg-dry	158825	1	03/13/2012 21:57	TA
PERCENT MOISTURE D2216								
Percent Moisture	11.4	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-22 1'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 1:17:00 PM
Lab ID:	1203734-045	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	BRL	5.55		mg/Kg-dry	158825	1	03/13/2012 22:01	TA
PERCENT MOISTURE D2216								
Percent Moisture	14.5	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-25 3-4'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 1:35:00 PM
Lab ID:	1203734-047	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	190		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	159111	1	03/16/2012 22:52	JE
Surr: Dibromofluoromethane	110	71.8-135		%REC	159111	1	03/16/2012 22:52	JE
Surr: Toluene-d8	95.5	77.1-117		%REC	159111	1	03/16/2012 22:52	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.111		mg/Kg-dry	158852	1	03/13/2012 15:28	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,1,2,2-Tetrachloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,1,2-Trichloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,1-Dichloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,1-Dichloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,2,4-Trichlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,2-Dibromo-3-chloropropane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,2-Dibromoethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,2-Dichlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,2-Dichloroethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,2-Dichloropropane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,3-Dichlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
1,4-Dichlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
2-Butanone	BRL	64		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
2-Hexanone	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
4-Methyl-2-pentanone	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Acetone	BRL	130		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Benzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Bromodichloromethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Bromoform	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Bromomethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Carbon disulfide	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Carbon tetrachloride	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Chlorobenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Chloroethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Chloroform	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Chloromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
cis-1,2-Dichloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
cis-1,3-Dichloropropene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Cyclohexane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Dibromochloromethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Dichlorodifluoromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:52	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-25 3-4'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 1:35:00 PM
Lab ID:	1203734-047	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Freon-113	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Isopropylbenzene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
m,p-Xylene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Methyl acetate	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Methyl tert-butyl ether	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Methylcyclohexane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Methylene chloride	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
o-Xylene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Styrene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Tetrachloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Toluene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
trans-1,2-Dichloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
trans-1,3-Dichloropropene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Trichloroethene	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Trichlorofluoromethane	BRL	6.4		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Vinyl chloride	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:52	JE
Surr: 4-Bromofluorobenzene	107	56.5-134		%REC	159111	1	03/16/2012 22:52	JE
Surr: Dibromofluoromethane	110	71.8-135		%REC	159111	1	03/16/2012 22:52	JE
Surr: Toluene-d8	95.5	77.1-117		%REC	159111	1	03/16/2012 22:52	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Acenaphthylene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
1-Methylnaphthalene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
2-Methylnaphthalene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Acenaphthene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Fluorene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Phenanthrene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Anthracene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Fluoranthene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Pyrene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Benz(a)anthracene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Chrysene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Benzo(b)fluoranthene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Benzo(a)pyrene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry	158938	1	03/15/2012 18:59	NE
Surr: 2-Fluorobiphenyl	77.2	51.9-120		%REC	158938	1	03/15/2012 18:59	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-25 3-4'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 1:35:00 PM
Lab ID:	1203734-047	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	91.8	60.2-120		%REC	158938	1	03/15/2012 18:59	NE
Surr: Nitrobenzene-d5	69	45.6-120		%REC	158938	1	03/15/2012 18:59	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.25		mg/Kg-dry	158869	1	03/13/2012 22:46	TA
Barium	34.1	5.25		mg/Kg-dry	158869	1	03/13/2012 22:46	TA
Cadmium	BRL	2.63		mg/Kg-dry	158869	1	03/13/2012 22:46	TA
Chromium	6.58	2.63		mg/Kg-dry	158869	1	03/13/2012 22:46	TA
Lead	6.59	5.25		mg/Kg-dry	158869	1	03/13/2012 22:46	TA
Selenium	BRL	5.25		mg/Kg-dry	158869	1	03/13/2012 22:46	TA
Silver	BRL	2.63		mg/Kg-dry	158869	1	03/13/2012 22:46	TA
PERCENT MOISTURE D2216								
Percent Moisture	10.3	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-24 3-4'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 1:55:00 PM
Lab ID:	1203734-048	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	160		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Surr: 4-Bromofluorobenzene	104	56.5-134		%REC	159111	1	03/16/2012 23:17	JE
Surr: Dibromofluoromethane	108	71.8-135		%REC	159111	1	03/16/2012 23:17	JE
Surr: Toluene-d8	92.8	77.1-117		%REC	159111	1	03/16/2012 23:17	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.114		mg/Kg-dry	158852	1	03/13/2012 15:30	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,1,2,2-Tetrachloroethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,1,2-Trichloroethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,1-Dichloroethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,1-Dichloroethene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,2,4-Trichlorobenzene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,2-Dibromo-3-chloropropane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,2-Dibromoethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,2-Dichlorobenzene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,2-Dichloroethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,2-Dichloropropane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,3-Dichlorobenzene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
1,4-Dichlorobenzene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
2-Butanone	BRL	53		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
2-Hexanone	BRL	11		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
4-Methyl-2-pentanone	BRL	11		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Acetone	BRL	110		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Benzene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Bromodichloromethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Bromoform	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Bromomethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Carbon disulfide	BRL	11		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Carbon tetrachloride	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Chlorobenzene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Chloroethane	BRL	11		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Chloroform	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Chloromethane	BRL	11		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
cis-1,2-Dichloroethene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
cis-1,3-Dichloropropene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Cyclohexane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Dibromochloromethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	159111	1	03/16/2012 23:17	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-24 3-4'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 1:55:00 PM
Lab ID:	1203734-048	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Freon-113	BRL	11		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Isopropylbenzene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
m,p-Xylene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Methyl acetate	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Methyl tert-butyl ether	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Methylcyclohexane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Methylene chloride	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
o-Xylene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Styrene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Tetrachloroethene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Toluene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
trans-1,2-Dichloroethene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
trans-1,3-Dichloropropene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Trichloroethene	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Trichlorofluoromethane	BRL	5.3		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Vinyl chloride	BRL	11		ug/Kg-dry	159111	1	03/16/2012 23:17	JE
Surr: 4-Bromofluorobenzene	104	56.5-134		%REC	159111	1	03/16/2012 23:17	JE
Surr: Dibromofluoromethane	108	71.8-135		%REC	159111	1	03/16/2012 23:17	JE
Surr: Toluene-d8	92.8	77.1-117		%REC	159111	1	03/16/2012 23:17	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Acenaphthylene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
1-Methylnaphthalene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
2-Methylnaphthalene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Acenaphthene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Fluorene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Phenanthrene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Anthracene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Fluoranthene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Pyrene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Benz(a)anthracene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Chrysene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Benzo(b)fluoranthene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Benzo(a)pyrene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry	158938	1	03/15/2012 19:25	NE
Surr: 2-Fluorobiphenyl	80.8	51.9-120		%REC	158938	1	03/15/2012 19:25	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-24 3-4'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 1:55:00 PM
Lab ID:	1203734-048	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	91.9	60.2-120		%REC	158938	1	03/15/2012 19:25	NE
Surr: Nitrobenzene-d5	72	45.6-120		%REC	158938	1	03/15/2012 19:25	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.61		mg/Kg-dry	158869	1	03/13/2012 22:21	TA
Barium	70.6	5.61		mg/Kg-dry	158869	1	03/13/2012 22:21	TA
Cadmium	BRL	2.80		mg/Kg-dry	158869	1	03/13/2012 22:21	TA
Chromium	9.05	2.80		mg/Kg-dry	158869	1	03/13/2012 22:21	TA
Lead	21.7	5.61		mg/Kg-dry	158869	1	03/13/2012 22:21	TA
Selenium	BRL	5.61		mg/Kg-dry	158869	1	03/13/2012 22:21	TA
Silver	BRL	2.80		mg/Kg-dry	158869	1	03/13/2012 22:21	TA
PERCENT MOISTURE D2216								
Percent Moisture	12.5	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-26 2-3'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 2:07:00 PM
Lab ID:	1203734-049	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	190		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Surr: 4-Bromofluorobenzene	105	56.5-134		%REC	159111	1	03/16/2012 23:43	JE
Surr: Dibromofluoromethane	112	71.8-135		%REC	159111	1	03/16/2012 23:43	JE
Surr: Toluene-d8	93.5	77.1-117		%REC	159111	1	03/16/2012 23:43	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.125		mg/Kg-dry	158852	1	03/13/2012 15:31	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,1,2,2-Tetrachloroethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,1,2-Trichloroethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,1-Dichloroethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,1-Dichloroethene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,2,4-Trichlorobenzene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,2-Dibromo-3-chloropropane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,2-Dibromoethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,2-Dichlorobenzene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,2-Dichloroethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,2-Dichloropropane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,3-Dichlorobenzene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
1,4-Dichlorobenzene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
2-Butanone	BRL	62		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
2-Hexanone	BRL	12		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
4-Methyl-2-pentanone	BRL	12		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Acetone	BRL	120		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Benzene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Bromodichloromethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Bromoform	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Bromomethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Carbon disulfide	BRL	12		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Carbon tetrachloride	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Chlorobenzene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Chloroethane	BRL	12		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Chloroform	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Chloromethane	BRL	12		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
cis-1,2-Dichloroethene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
cis-1,3-Dichloropropene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Cyclohexane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Dibromochloromethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	159111	1	03/16/2012 23:43	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-26 2-3'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 2:07:00 PM
Lab ID:	1203734-049	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Freon-113	BRL	12		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Isopropylbenzene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
m,p-Xylene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Methyl acetate	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Methyl tert-butyl ether	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Methylcyclohexane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Methylene chloride	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
o-Xylene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Styrene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Tetrachloroethene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Toluene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
trans-1,2-Dichloroethene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
trans-1,3-Dichloropropene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Trichloroethene	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Trichlorofluoromethane	BRL	6.2		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Vinyl chloride	BRL	12		ug/Kg-dry	159111	1	03/16/2012 23:43	JE
Surr: 4-Bromofluorobenzene	105	56.5-134		%REC	159111	1	03/16/2012 23:43	JE
Surr: Dibromofluoromethane	112	71.8-135		%REC	159111	1	03/16/2012 23:43	JE
Surr: Toluene-d8	93.5	77.1-117		%REC	159111	1	03/16/2012 23:43	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Acenaphthylene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
1-Methylnaphthalene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
2-Methylnaphthalene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Acenaphthene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Fluorene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Phenanthrene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Anthracene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Fluoranthene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Pyrene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Benz(a)anthracene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Chrysene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Benzo(a)pyrene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Benzo(g,h,i)perylene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	158938	1	03/15/2012 19:51	NE
Surr: 2-Fluorobiphenyl	85.8	51.9-120		%REC	158938	1	03/15/2012 19:51	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-26 2-3'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 2:07:00 PM
Lab ID:	1203734-049	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Surr: 4-Terphenyl-d14	92.3	60.2-120		%REC	158938	1	03/15/2012 19:51	NE
Surr: Nitrobenzene-d5	76.9	45.6-120		%REC	158938	1	03/15/2012 19:51	NE
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.02		mg/Kg-dry	158869	1	03/13/2012 22:50	TA
Barium	28.8	6.02		mg/Kg-dry	158869	1	03/13/2012 22:50	TA
Cadmium	BRL	3.01		mg/Kg-dry	158869	1	03/13/2012 22:50	TA
Chromium	28.3	3.01		mg/Kg-dry	158869	1	03/13/2012 22:50	TA
Lead	11.2	6.02		mg/Kg-dry	158869	1	03/13/2012 22:50	TA
Selenium	BRL	6.02		mg/Kg-dry	158869	1	03/13/2012 22:50	TA
Silver	BRL	3.01		mg/Kg-dry	158869	1	03/13/2012 22:50	TA
PERCENT MOISTURE D2216								
Percent Moisture	21.9	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-23 2'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 2:23:00 PM
Lab ID:	1203734-050	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	10.4	5.76		mg/Kg-dry	158869	1	03/13/2012 22:55	TA
PERCENT MOISTURE D2216								
Percent Moisture	14.2	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SP-1
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 8:15:00 AM
Lab ID:	1203734-051	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	16.5	5.37		mg/Kg-dry	158869	1	03/13/2012 23:07	TA
PERCENT MOISTURE D2216								
Percent Moisture	14.1	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SP-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 9:45:00 AM
Lab ID:	1203734-052	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	305	6.10		mg/Kg-dry	158869	1	03/13/2012 23:11	TA
PERCENT MOISTURE D2216								
Percent Moisture	20.1	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012
Lab ID:	1203734-053	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,1-Dichloroethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,1-Dichloroethene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,2-Dibromoethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,2-Dichloroethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,2-Dichloropropane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
2-Butanone	BRL	50		ug/L	158820	1	03/13/2012 16:13	GK
2-Hexanone	BRL	10		ug/L	158820	1	03/13/2012 16:13	GK
4-Methyl-2-pentanone	BRL	10		ug/L	158820	1	03/13/2012 16:13	GK
Acetone	BRL	50		ug/L	158820	1	03/13/2012 16:13	GK
Benzene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Bromodichloromethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Bromoform	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Bromomethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Carbon disulfide	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Carbon tetrachloride	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Chlorobenzene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Chloroethane	BRL	10		ug/L	158820	1	03/13/2012 16:13	GK
Chloroform	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Chloromethane	BRL	10		ug/L	158820	1	03/13/2012 16:13	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Cyclohexane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Dibromochloromethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Dichlorodifluoromethane	BRL	10		ug/L	158820	1	03/13/2012 16:13	GK
Ethylbenzene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Freon-113	BRL	10		ug/L	158820	1	03/13/2012 16:13	GK
Isopropylbenzene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
m,p-Xylene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Methyl acetate	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Methylcyclohexane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Methylene chloride	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
o-Xylene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012
Lab ID:	1203734-053	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Tetrachloroethene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Toluene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Trichloroethene	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Trichlorofluoromethane	BRL	5.0		ug/L	158820	1	03/13/2012 16:13	GK
Vinyl chloride	BRL	2.0		ug/L	158820	1	03/13/2012 16:13	GK
Surr: 4-Bromofluorobenzene	99.4	67.4-123		%REC	158820	1	03/13/2012 16:13	GK
Surr: Dibromofluoromethane	113	75.5-128		%REC	158820	1	03/13/2012 16:13	GK
Surr: Toluene-d8	99	70-120		%REC	158820	1	03/13/2012 16:13	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	DUP-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 9:19:00 AM
Lab ID:	1203734-054	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	36.4	5.50		mg/Kg-dry	159434	1	03/27/2012 18:53	TA
PERCENT MOISTURE D2216								
Percent Moisture	13.7	0		wt%	R218124	1	03/29/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Amec Work Order Number 1203734

Checklist completed by _____ 03/09/2012
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.5 Cooler #2 3.3 Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes __ No ✓

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab Order: 1203734

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1203734-001A	EW-01 2-4	3/5/2012 3:46:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-001A	EW-01 2-4	3/5/2012 3:46:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-001B	EW-01 2-4	3/5/2012 3:46:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-001C	EW-01 2-4	3/5/2012 3:46:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/13/2012	03/14/2012
1203734-001D	EW-01 2-4	3/5/2012 3:46:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-001D	EW-01 2-4	3/5/2012 3:46:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-002A	EW-01 10-12	3/5/2012 4:02:00PM	Soil	Total Organic Carbon		03/09/2012	03/13/2012
1203734-003A	GP-01 1-2	3/5/2012 4:10:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-003A	GP-01 1-2	3/5/2012 4:10:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-005A	GP-04 7'	3/5/2012 4:51:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-005A	GP-04 7'	3/5/2012 4:51:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-006A	GP-03 1-2	3/5/2012 5:00:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-006A	GP-03 1-2	3/5/2012 5:00:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-006B	GP-03 1-2	3/5/2012 5:00:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-006C	GP-03 1-2	3/5/2012 5:00:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/13/2012	03/14/2012
1203734-006D	GP-03 1-2	3/5/2012 5:00:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-006D	GP-03 1-2	3/5/2012 5:00:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-007A	GP-03 6-7	3/5/2012 5:07:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-007A	GP-03 6-7	3/5/2012 5:07:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-007B	GP-03 6-7	3/5/2012 5:07:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-007C	GP-03 6-7	3/5/2012 5:07:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/13/2012	03/14/2012
1203734-007D	GP-03 6-7	3/5/2012 5:07:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-007D	GP-03 6-7	3/5/2012 5:07:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-008A	GP-02 1-2	3/5/2012 5:12:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-008A	GP-02 1-2	3/5/2012 5:12:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-010A	GP-09 1-2	3/6/2012 8:17:00AM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-010A	GP-09 1-2	3/6/2012 8:17:00AM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-010B	GP-09 1-2	3/6/2012 8:17:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-010C	GP-09 1-2	3/6/2012 8:17:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/13/2012	03/14/2012

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab Order: 1203734

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1203734-010D	GP-09 1-2	3/6/2012 8:17:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-010D	GP-09 1-2	3/6/2012 8:17:00AM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-011A	GP-09 5-6	3/6/2012 8:19:00AM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-011A	GP-09 5-6	3/6/2012 8:19:00AM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-011B	GP-09 5-6	3/6/2012 8:19:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-011C	GP-09 5-6	3/6/2012 8:19:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/13/2012	03/14/2012
1203734-011D	GP-09 5-6	3/6/2012 8:19:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-011D	GP-09 5-6	3/6/2012 8:19:00AM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-012A	GP-10 0-1	3/6/2012 8:40:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-012A	GP-10 0-1	3/6/2012 8:40:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-013A	GP-10 2-3	3/6/2012 8:41:00AM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-013A	GP-10 2-3	3/6/2012 8:41:00AM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-013B	GP-10 2-3	3/6/2012 8:41:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-013C	GP-10 2-3	3/6/2012 8:41:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/13/2012	03/14/2012
1203734-013D	GP-10 2-3	3/6/2012 8:41:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-013D	GP-10 2-3	3/6/2012 8:41:00AM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-014A	GP-10 6-7'	3/6/2012 8:44:00AM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-014A	GP-10 6-7'	3/6/2012 8:44:00AM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-014B	GP-10 6-7'	3/6/2012 8:44:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-014C	GP-10 6-7'	3/6/2012 8:44:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/13/2012	03/14/2012
1203734-014D	GP-10 6-7'	3/6/2012 8:44:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-014D	GP-10 6-7'	3/6/2012 8:44:00AM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-015A	GP-11 0-1	3/6/2012 9:14:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-015A	GP-11 0-1	3/6/2012 9:14:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-016A	GP-11 1-2	3/6/2012 9:15:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-016A	GP-11 1-2	3/6/2012 9:15:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-017A	GP-12 0-1	3/6/2012 9:33:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-017A	GP-12 0-1	3/6/2012 9:33:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-018A	GP-12 1-2	3/6/2012 9:34:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab Order: 1203734

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1203734-018A	GP-12 1-2	3/6/2012 9:34:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-019A	GP-13 0-1	3/6/2012 9:54:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-019A	GP-13 0-1	3/6/2012 9:54:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-020A	GP-13 1-2	3/6/2012 9:56:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-020A	GP-13 1-2	3/6/2012 9:56:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-021A	GP-14 1'	3/6/2012 10:06:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-021A	GP-14 1'	3/6/2012 10:06:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-022A	GP-14 2'	3/6/2012 10:07:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-022A	GP-14 2'	3/6/2012 10:07:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-023A	GP-15 1'	3/6/2012 10:20:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-023A	GP-15 1'	3/6/2012 10:20:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-024A	GP-15 2'	3/6/2012 10:21:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-024A	GP-15 2'	3/6/2012 10:21:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-025A	GP-16 1-2	3/6/2012 1:25:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-025A	GP-16 1-2	3/6/2012 1:25:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-025B	GP-16 1-2	3/6/2012 1:25:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-025C	GP-16 1-2	3/6/2012 1:25:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-025D	GP-16 1-2	3/6/2012 1:25:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-025D	GP-16 1-2	3/6/2012 1:25:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-026A	GP-16 6-7	3/6/2012 1:29:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-026A	GP-16 6-7	3/6/2012 1:29:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-026B	GP-16 6-7	3/6/2012 1:29:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-026C	GP-16 6-7	3/6/2012 1:29:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-026D	GP-16 6-7	3/6/2012 1:29:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-026D	GP-16 6-7	3/6/2012 1:29:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-027A	DUP-1	3/6/2012 1:30:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-027A	DUP-1	3/6/2012 1:30:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-027B	DUP-1	3/6/2012 1:30:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-027C	DUP-1	3/6/2012 1:30:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab Order: 1203734

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1203734-027D	DUP-1	3/6/2012 1:30:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-027D	DUP-1	3/6/2012 1:30:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-028A	GP-17 1'	3/6/2012 1:45:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-028A	GP-17 1'	3/6/2012 1:45:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-029A	GP-17 2'	3/6/2012 1:47:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-029A	GP-17 2'	3/6/2012 1:47:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-030A	GP-18 1'	3/6/2012 2:01:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-030A	GP-18 1'	3/6/2012 2:01:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-031A	GP-18 2'	3/6/2012 2:03:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-031A	GP-18 2'	3/6/2012 2:03:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-032A	EW-2 3-4'	3/6/2012 2:23:00PM	Soil	TCL VOLATILE ORGANICS		03/15/2012	03/16/2012
1203734-032A	EW-2 3-4'	3/6/2012 2:23:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-032A	EW-2 3-4'	3/6/2012 2:23:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-032B	EW-2 3-4'	3/6/2012 2:23:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-032C	EW-2 3-4'	3/6/2012 2:23:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-032D	EW-2 3-4'	3/6/2012 2:23:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-032D	EW-2 3-4'	3/6/2012 2:23:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-033A	EW-2 5-6'	3/6/2012 2:26:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-033A	EW-2 5-6'	3/6/2012 2:26:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-033B	EW-2 5-6'	3/6/2012 2:26:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-033C	EW-2 5-6'	3/6/2012 2:26:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-033D	EW-2 5-6'	3/6/2012 2:26:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-033D	EW-2 5-6'	3/6/2012 2:26:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-034A	GP-19 1'	3/6/2012 4:00:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-034A	GP-19 1'	3/6/2012 4:00:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-035A	GP-19 2'	3/6/2012 4:02:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-035A	GP-19 2'	3/6/2012 4:02:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-036A	GP-05 2-3	3/6/2012 4:25:00PM	Soil	TCL VOLATILE ORGANICS		03/15/2012	03/19/2012
1203734-036A	GP-05 2-3	3/6/2012 4:25:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab Order: 1203734

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1203734-036A	GP-05 2-3	3/6/2012 4:25:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-036B	GP-05 2-3	3/6/2012 4:25:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-036C	GP-05 2-3	3/6/2012 4:25:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-036D	GP-05 2-3	3/6/2012 4:25:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-036D	GP-05 2-3	3/6/2012 4:25:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-037A	GP-08 6-7	3/6/2012 4:48:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-037A	GP-08 6-7	3/6/2012 4:48:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-037B	GP-08 6-7	3/6/2012 4:48:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-037C	GP-08 6-7	3/6/2012 4:48:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-037D	GP-08 6-7	3/6/2012 4:48:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-037D	GP-08 6-7	3/6/2012 4:48:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-038A	GP-07 1'	3/7/2012 8:23:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-038A	GP-07 1'	3/7/2012 8:23:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-039A	GP-07 2'	3/7/2012 8:24:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-039A	GP-07 2'	3/7/2012 8:24:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-040A	GP-06 4-5'	3/7/2012 8:46:00AM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-040A	GP-06 4-5'	3/7/2012 8:46:00AM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-040B	GP-06 4-5'	3/7/2012 8:46:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-040C	GP-06 4-5'	3/7/2012 8:46:00AM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-040D	GP-06 4-5'	3/7/2012 8:46:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-040D	GP-06 4-5'	3/7/2012 8:46:00AM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-041A	GP-20 1'	3/7/2012 9:05:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-041A	GP-20 1'	3/7/2012 9:05:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-043A	GP-21 1'	3/7/2012 9:18:00AM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-043A	GP-21 1'	3/7/2012 9:18:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-045A	GP-22 1'	3/7/2012 1:17:00PM	Soil	TOTAL METALS BY ICP		03/12/2012	03/13/2012
1203734-045A	GP-22 1'	3/7/2012 1:17:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-047A	GP-25 3-4'	3/7/2012 1:35:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-047A	GP-25 3-4'	3/7/2012 1:35:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab Order: 1203734

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1203734-047B	GP-25 3-4'	3/7/2012 1:35:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-047C	GP-25 3-4'	3/7/2012 1:35:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-047D	GP-25 3-4'	3/7/2012 1:35:00PM	Soil	TOTAL METALS BY ICP		03/13/2012	03/13/2012
1203734-047D	GP-25 3-4'	3/7/2012 1:35:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-048A	GP-24 3-4'	3/7/2012 1:55:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-048A	GP-24 3-4'	3/7/2012 1:55:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-048B	GP-24 3-4'	3/7/2012 1:55:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-048C	GP-24 3-4'	3/7/2012 1:55:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-048D	GP-24 3-4'	3/7/2012 1:55:00PM	Soil	TOTAL METALS BY ICP		03/13/2012	03/13/2012
1203734-048D	GP-24 3-4'	3/7/2012 1:55:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-049A	GP-26 2-3'	3/7/2012 2:07:00PM	Soil	TCL VOLATILE ORGANICS		03/16/2012	03/16/2012
1203734-049A	GP-26 2-3'	3/7/2012 2:07:00PM	Soil	Volatile Organic Compounds by GC/MS		03/16/2012	03/16/2012
1203734-049B	GP-26 2-3'	3/7/2012 2:07:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-049C	GP-26 2-3'	3/7/2012 2:07:00PM	Soil	POLYNUCLEAR AROMATIC HYDROCARBONS		03/15/2012	03/15/2012
1203734-049D	GP-26 2-3'	3/7/2012 2:07:00PM	Soil	TOTAL METALS BY ICP		03/13/2012	03/13/2012
1203734-049D	GP-26 2-3'	3/7/2012 2:07:00PM	Soil	MERCURY		03/13/2012	03/13/2012
1203734-050A	GP-23 2'	3/7/2012 2:23:00PM	Soil	TOTAL METALS BY ICP		03/13/2012	03/13/2012
1203734-050A	GP-23 2'	3/7/2012 2:23:00PM	Soil	PERCENT MOISTURE			03/15/2012
1203734-051A	SP-1	3/8/2012 8:15:00AM	Soil	TOTAL METALS BY ICP		03/13/2012	03/13/2012
1203734-051A	SP-1	3/8/2012 8:15:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-052A	SP-2	3/8/2012 9:45:00AM	Soil	TOTAL METALS BY ICP		03/13/2012	03/13/2012
1203734-052A	SP-2	3/8/2012 9:45:00AM	Soil	PERCENT MOISTURE			03/15/2012
1203734-053A	TRIP BLANK	3/7/2012 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		03/12/2012	03/13/2012
1203734-054A	DUP-2	3/7/2012 9:19:00AM	Soil	TOTAL METALS BY ICP		03/26/2012	03/27/2012
1203734-054A	DUP-2	3/7/2012 9:19:00AM	Soil	PERCENT MOISTURE			03/29/2012

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158820

Sample ID: **MB-158820**	Client ID:	Units: **ug/L**	Prep Date: **03/12/2012**	Run No: **216784**	
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **158820**	Analysis Date: **03/12/2012**	Seq No: **4534470**	

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158820

Sample ID: **MB-158820** Client ID: Units: **ug/L** Prep Date: **03/12/2012** Run No: **216784**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158820** Analysis Date: **03/12/2012** Seq No: **4534470**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	49.30	0	50	0	98.6	67.4	123	0	0	0	
Surr: Dibromofluoromethane	58.63	0	50	0	117	75.5	128	0	0	0	
Surr: Toluene-d8	49.10	0	50	0	98.2	70	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158820

Sample ID: **LCS-158820** Client ID: Units: **ug/L** Prep Date: **03/12/2012** Run No: **216784**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158820** Analysis Date: **03/12/2012** Seq No: **4534468**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	42.93	5.0	50	0	85.9	60	140	0	0	0	
Benzene	40.74	5.0	50	0	81.5	70	130	0	0	0	
Chlorobenzene	44.07	5.0	50	0	88.1	70	130	0	0	0	
Toluene	42.67	5.0	50	0	85.3	70	130	0	0	0	
Trichloroethene	45.19	5.0	50	0	90.4	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	51.44	0	50	0	103	67.4	123	0	0	0	
Surr: Dibromofluoromethane	58.50	0	50	0	117	75.5	128	0	0	0	
Surr: Toluene-d8	51.64	0	50	0	103	70	120	0	0	0	

Sample ID: **1203536-001AMS** Client ID: Units: **ug/L** Prep Date: **03/12/2012** Run No: **216784**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158820** Analysis Date: **03/12/2012** Seq No: **4534475**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	5499	500	5000	0	110	50.1	179	0	0	0	
Benzene	4951	500	5000	0	99	61.2	150	0	0	0	
Chlorobenzene	5372	500	5000	0	107	72.1	140	0	0	0	
Toluene	5188	500	5000	0	104	58.7	154	0	0	0	
Trichloroethene	5673	500	5000	0	113	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	5257	0	5000	0	105	67.4	123	0	0	0	
Surr: Dibromofluoromethane	5740	0	5000	0	115	75.5	128	0	0	0	
Surr: Toluene-d8	5150	0	5000	0	103	70	120	0	0	0	

Sample ID: **1203536-001AMSD** Client ID: Units: **ug/L** Prep Date: **03/12/2012** Run No: **216784**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158820** Analysis Date: **03/12/2012** Seq No: **4534478**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	5418	500	5000	0	108	50.1	179	5499	1.48	23.3	
Benzene	4929	500	5000	0	98.6	61.2	150	4951	0.445	19	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158820

Sample ID: **1203536-001AMSD** Client ID: Units: **ug/L** Prep Date: **03/12/2012** Run No: **216784**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158820** Analysis Date: **03/12/2012** Seq No: **4534478**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	5208	500	5000	0	104	72.1	140	5372	3.1	21.5	
Toluene	5204	500	5000	0	104	58.7	154	5188	0.308	20	
Trichloroethene	5659	500	5000	0	113	68.3	149	5673	0.247	17.7	
Surr: 4-Bromofluorobenzene	5150	0	5000	0	103	67.4	123	5257	0	0	
Surr: Dibromofluoromethane	5865	0	5000	0	117	75.5	128	5740	0	0	
Surr: Toluene-d8	5158	0	5000	0	103	70	120	5150	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158824

Sample ID: **MB-158824** Client ID: Units: **mg/Kg** Prep Date: **03/12/2012** Run No: **216973**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158824** Analysis Date: **03/13/2012** Seq No: **4536314**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Silver	BRL	2.50	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158824** Client ID: Units: **mg/Kg** Prep Date: **03/12/2012** Run No: **216973**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158824** Analysis Date: **03/13/2012** Seq No: **4536313**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.09	5.00	50	0	94.2	80	120	0	0	0	
Barium	47.58	5.00	50	0.1992	94.8	80	120	0	0	0	
Cadmium	46.64	2.50	50	0	93.3	80	120	0	0	0	
Chromium	48.82	2.50	50	0.07925	97.5	80	120	0	0	0	
Lead	46.83	5.00	50	0.06648	93.5	80	120	0	0	0	
Selenium	46.13	5.00	50	0	92.3	80	120	0	0	0	
Silver	4.708	2.50	5	0.01549	93.9	80	120	0	0	0	

Sample ID: **1203734-006DMS** Client ID: **GP-03 1-2** Units: **mg/Kg-dry** Prep Date: **03/12/2012** Run No: **216973**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158824** Analysis Date: **03/13/2012** Seq No: **4536317**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	57.35	6.50	64.95	0.9434	86.8	75	125	0	0	0	
Barium	90.22	6.50	64.95	25.75	99.3	75	125	0	0	0	
Cadmium	60.50	3.25	64.95	0	93.1	75	125	0	0	0	
Chromium	69.17	3.25	64.95	6.865	95.9	75	125	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158824

Sample ID: **1203734-006DMS** Client ID: **GP-03 1-2** Units: **mg/Kg-dry** Prep Date: **03/12/2012** Run No: **216973**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **158824** Analysis Date: **03/13/2012** Seq No: **4536317**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	66.64	6.50	64.95	8.130	90.1	75	125	0	0	0	
Selenium	55.37	6.50	64.95	0	85.2	75	125	0	0	0	
Silver	6.038	3.25	6.495	0	93	75	125	0	0	0	

Sample ID: **1203734-006DMSD** Client ID: **GP-03 1-2** Units: **mg/Kg-dry** Prep Date: **03/12/2012** Run No: **216973**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **158824** Analysis Date: **03/13/2012** Seq No: **4536321**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	59.60	6.49	64.9	0.9434	90.4	75	125	57.35	3.85	20	
Barium	90.74	6.49	64.9	25.75	100	75	125	90.22	0.574	20	
Cadmium	62.84	3.25	64.9	0	96.8	75	125	60.50	3.8	20	
Chromium	71.89	3.25	64.9	6.865	100	75	125	69.17	3.85	20	
Lead	68.73	6.49	64.9	8.130	93.4	75	125	66.64	3.09	20	
Selenium	57.28	6.49	64.9	0	88.2	75	125	55.37	3.38	20	
Silver	6.244	3.25	6.49	0	96.2	75	125	6.038	3.35	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158825

Sample ID: **MB-158825** Client ID: Units: **mg/Kg** Prep Date: **03/12/2012** Run No: **216982**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158825** Analysis Date: **03/13/2012** Seq No: **4536476**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Silver	BRL	2.50	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158825** Client ID: Units: **mg/Kg** Prep Date: **03/12/2012** Run No: **216982**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158825** Analysis Date: **03/13/2012** Seq No: **4536475**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	46.51	5.00	50	0.1085	92.8	80	120	0	0	0	
Barium	48.42	5.00	50	0.4489	95.9	80	120	0	0	0	
Cadmium	46.58	2.50	50	0	93.2	80	120	0	0	0	
Chromium	49.18	2.50	50	0.06790	98.2	80	120	0	0	0	
Lead	46.92	5.00	50	0.1957	93.4	80	120	0	0	0	
Selenium	45.83	5.00	50	0	91.7	80	120	0	0	0	
Silver	4.724	2.50	5	0	94.5	80	120	0	0	0	

Sample ID: **1203734-024AMS** Client ID: **GP-15 2'** Units: **mg/Kg-dry** Prep Date: **03/12/2012** Run No: **216982**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158825** Analysis Date: **03/13/2012** Seq No: **4536478**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.08	5.05	50.51	1.339	90.6	75	125	0	0	0	
Barium	88.00	5.05	50.51	38.35	98.3	75	125	0	0	0	
Cadmium	47.52	2.53	50.51	0.3280	93.4	75	125	0	0	0	
Chromium	78.34	2.53	50.51	28.21	99.3	75	125	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158825

Sample ID: **1203734-024AMS**	Client ID: **GP-15 2'**				Units: **mg/Kg-dry**	Prep Date: **03/12/2012**	Run No: **216982**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010C**				BatchID: **158825**	Analysis Date: **03/13/2012**	Seq No: **4536478**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	151.4	5.05	50.51	106.6	88.8	75	125	0	0	0	
Selenium	44.61	5.05	50.51	0	88.3	75	125	0	0	0	
Silver	4.653	2.53	5.051	0.02414	91.6	75	125	0	0	0	

Sample ID: **1203734-024AMSD**	Client ID: **GP-15 2'**				Units: **mg/Kg-dry**	Prep Date: **03/12/2012**	Run No: **216982**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010C**				BatchID: **158825**	Analysis Date: **03/13/2012**	Seq No: **4536479**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	46.68	5.04	50.41	1.339	89.9	75	125	47.08	0.858	20	
Barium	88.57	5.04	50.41	38.35	99.6	75	125	88.00	0.652	20	
Cadmium	47.06	2.52	50.41	0.3280	92.7	75	125	47.52	0.976	20	
Chromium	78.56	2.52	50.41	28.21	99.9	75	125	78.34	0.275	20	
Lead	151.7	5.04	50.41	106.6	89.5	75	125	151.4	0.183	20	
Selenium	43.57	5.04	50.41	0	86.4	75	125	44.61	2.37	20	
Silver	4.585	2.52	5.041	0.02414	90.5	75	125	4.653	1.46	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158830

Sample ID: **MB-158830**	Client ID:		Units: **mg/Kg-dry**	Prep Date: **03/08/2012**	Run No: **216950**
SampleType: **MBLK**	TestCode: **Total Organic Carbon SW9060A Modified**		BatchID: **158830**	Analysis Date: **03/13/2012**	Seq No: **4535725**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Total Organic Carbon (TOC)	BRL	500	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158830**	Client ID:		Units: **mg/Kg-dry**	Prep Date: **03/08/2012**	Run No: **216950**
SampleType: **LCS**	TestCode: **Total Organic Carbon SW9060A Modified**		BatchID: **158830**	Analysis Date: **03/13/2012**	Seq No: **4535726**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Total Organic Carbon (TOC)	2221	500	1950	70.21	110	70	130	0	0	0	

Sample ID: **1203734-002ADUP**	Client ID: **EW-01 10-12**		Units: **mg/Kg-dry**	Prep Date: **03/09/2012**	Run No: **216950**
SampleType: **DUP**	TestCode: **Total Organic Carbon SW9060A Modified**		BatchID: **158830**	Analysis Date: **03/13/2012**	Seq No: **4535736**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Total Organic Carbon (TOC)	BRL	500	0	0	0	0	0	287.9	0	50	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158849

Sample ID: **MB-158849** Client ID: Units: **ug/Kg** Prep Date: **03/13/2012** Run No: **216898**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158849** Analysis Date: **03/13/2012** Seq No: **4536008**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 2-Fluorobiphenyl	1450	0	1667	0	87	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1572	0	1667	0	94.3	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1500	0	1667	0	90	45.6	120	0	0	0	

Sample ID: **LCS-158849** Client ID: Units: **ug/Kg** Prep Date: **03/13/2012** Run No: **216898**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158849** Analysis Date: **03/13/2012** Seq No: **4536009**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1473	330	1667	0	88.4	61.9	120	0	0	0	
2-Methylnaphthalene	1502	330	1667	0	90.1	62.8	120	0	0	0	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158849

Sample ID: **LCS-158849** Client ID: Units: **ug/Kg** Prep Date: **03/13/2012** Run No: **216898**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158849** Analysis Date: **03/13/2012** Seq No: **4536009**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1451	330	1667	0	87.1	56.1	120	0	0	0	
Acenaphthylene	1629	330	1667	0	97.8	63.8	120	0	0	0	
Anthracene	1471	330	1667	0	88.3	65.5	120	0	0	0	
Benz(a)anthracene	1422	330	1667	0	85.3	64	120	0	0	0	
Benzo(a)pyrene	1371	330	1667	0	82.3	63.4	120	0	0	0	
Benzo(b)fluoranthene	1447	330	1667	0	86.8	66.4	120	0	0	0	
Benzo(g,h,i)perylene	1567	330	1667	0	94	62.1	120	0	0	0	
Benzo(k)fluoranthene	1507	330	1667	0	90.4	60.8	120	0	0	0	
Chrysene	1445	330	1667	0	86.7	62.3	120	0	0	0	
Dibenz(a,h)anthracene	1506	330	1667	0	90.4	62.9	120	0	0	0	
Fluoranthene	1643	330	1667	0	98.6	72.6	120	0	0	0	
Fluorene	1491	330	1667	0	89.5	60.4	120	0	0	0	
Indeno(1,2,3-cd)pyrene	1510	330	1667	0	90.6	60.3	120	0	0	0	
Naphthalene	1473	330	1667	0	88.4	61	120	0	0	0	
Phenanthrene	1557	330	1667	0	93.4	67.1	120	0	0	0	
Pyrene	1426	330	1667	0	85.6	64	120	0	0	0	
Surr: 2-Fluorobiphenyl	1559	0	1667	0	93.5	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1638	0	1667	0	98.3	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1566	0	1667	0	93.9	45.6	120	0	0	0	

Sample ID: **1203712-003CMS** Client ID: Units: **ug/Kg-dry** Prep Date: **03/13/2012** Run No: **216968**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158849** Analysis Date: **03/14/2012** Seq No: **4538493**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1802	400	2027	0	88.9	51	120	0	0	0	
2-Methylnaphthalene	1812	400	2027	0	89.4	53.2	120	0	0	0	
Acenaphthene	1758	400	2027	0	86.7	50	120	0	0	0	
Acenaphthylene	2058	400	2027	0	102	53.4	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158849

Sample ID: **1203712-003CMS** Client ID: Units: **ug/Kg-dry** Prep Date: **03/13/2012** Run No: **216968**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158849** Analysis Date: **03/14/2012** Seq No: **4538493**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1873	400	2027	0	92.4	52.5	120	0	0	0	
Benz(a)anthracene	1818	400	2027	0	89.7	50	120	0	0	0	
Benzo(a)pyrene	1802	400	2027	0	88.9	51.7	120	0	0	0	
Benzo(b)fluoranthene	1787	400	2027	0	88.2	51.6	120	0	0	0	
Benzo(g,h,i)perylene	1974	400	2027	0	97.4	50.6	120	0	0	0	
Benzo(k)fluoranthene	1832	400	2027	0	90.4	51.2	120	0	0	0	
Chrysene	1751	400	2027	0	86.4	50.3	120	0	0	0	
Dibenz(a,h)anthracene	1924	400	2027	0	94.9	53.3	120	0	0	0	
Fluoranthene	1862	400	2027	0	91.9	54.1	120	0	0	0	
Fluorene	1838	400	2027	0	90.7	51.7	120	0	0	0	
Indeno(1,2,3-cd)pyrene	1910	400	2027	0	94.2	50.4	120	0	0	0	
Naphthalene	1729	400	2027	0	85.3	50.7	120	0	0	0	
Phenanthrene	1894	400	2027	0	93.5	53.9	120	0	0	0	
Pyrene	1657	400	2027	0	81.7	52	120	0	0	0	
Surr: 2-Fluorobiphenyl	1877	0	2027	0	92.6	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1870	0	2027	0	92.3	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1712	0	2027	0	84.5	45.6	120	0	0	0	

Sample ID: **1203712-003CMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **03/13/2012** Run No: **216968**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158849** Analysis Date: **03/14/2012** Seq No: **4537094**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1727	400	2025	0	85.3	51	120	1841	6.39	18.5	
2-Methylnaphthalene	1663	400	2025	0	82.2	53.2	120	1817	8.81	18.6	
Acenaphthene	1637	400	2025	0	80.9	50	120	1725	5.18	18.8	
Acenaphthylene	1838	400	2025	0	90.8	53.4	120	1993	8.07	17.7	
Anthracene	1727	400	2025	0	85.3	52.5	120	1907	9.91	20.6	
Benz(a)anthracene	1662	400	2025	0	82.1	50	120	1801	8.01	15.9	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158849

Sample ID: **1203712-003CMSD** Client ID:
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D**
Units: **ug/Kg-dry** Prep Date: **03/13/2012** Run No: **216968**
BatchID: **158849** Analysis Date: **03/14/2012** Seq No: **4537094**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1582	400	2025	0	78.2	51.7	120	1785	12	25.3	
Benzo(b)fluoranthene	1620	400	2025	0	80	51.6	120	1746	7.46	16.1	
Benzo(g,h,i)perylene	1718	400	2025	0	84.9	50.6	120	1877	8.87	21.1	
Benzo(k)fluoranthene	1702	400	2025	0	84.1	51.2	120	1764	3.54	24.3	
Chrysene	1663	400	2025	0	82.1	50.3	120	1810	8.48	15.8	
Dibenz(a,h)anthracene	1663	400	2025	0	82.1	53.3	120	1836	9.89	18.1	
Fluoranthene	1752	400	2025	0	86.6	54.1	120	1926	9.46	18.4	
Fluorene	1633	400	2025	0	80.7	51.7	120	1774	8.3	18	
Indeno(1,2,3-cd)pyrene	1693	400	2025	0	83.6	50.4	120	1817	7.05	20.7	
Naphthalene	1640	400	2025	0	81	50.7	120	1767	7.47	18.9	
Phenanthrene	1755	400	2025	0	86.7	53.9	120	1909	8.39	17	
Pyrene	1556	400	2025	0	76.9	52	120	1690	8.21	17.7	
Surr: 2-Fluorobiphenyl	1654	0	2025	0	81.7	51.9	120	1794	0	0	
Surr: 4-Terphenyl-d14	1759	0	2025	0	86.9	60.2	120	1916	0	0	
Surr: Nitrobenzene-d5	1600	0	2025	0	79	45.6	120	436.5	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158852

Sample ID: **MB-158852**	Client ID:				Units: **mg/Kg**		Prep Date: **03/13/2012**		Run No: **216931**
SampleType: **MBLK**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **158852**		Analysis Date: **03/13/2012**		Seq No: **4535299**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158852**	Client ID:				Units: **mg/Kg**		Prep Date: **03/13/2012**		Run No: **216931**
SampleType: **LCS**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **158852**		Analysis Date: **03/13/2012**		Seq No: **4535300**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4025	0.100	0.4	0	101	80	120	0	0	0	

Sample ID: **1203734-006DMS**	Client ID: **GP-03 1-2**				Units: **mg/Kg-dry**		Prep Date: **03/13/2012**		Run No: **216931**
SampleType: **MS**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **158852**		Analysis Date: **03/13/2012**		Seq No: **4535304**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5917	0.130	0.5196	0.06080	102	70	130	0	0	0	

Sample ID: **1203734-006DMSD**	Client ID: **GP-03 1-2**				Units: **mg/Kg-dry**		Prep Date: **03/13/2012**		Run No: **216931**
SampleType: **MSD**	TestCode: **TOTAL MERCURY SW7471B**				BatchID: **158852**		Analysis Date: **03/13/2012**		Seq No: **4535305**
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5853	0.130	0.5186	0.06080	101	70	130	0.5917	1.09	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158869

Sample ID: **MB-158869** Client ID: Units: **mg/Kg** Prep Date: **03/13/2012** Run No: **216986**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158869** Analysis Date: **03/13/2012** Seq No: **4536542**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Silver	BRL	2.50	0	0	0	0	0	0	0	0	

Sample ID: **LCS-158869** Client ID: Units: **mg/Kg** Prep Date: **03/13/2012** Run No: **216986**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158869** Analysis Date: **03/13/2012** Seq No: **4536541**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	49.84	5.00	50	0	99.7	80	120	0	0	0	
Barium	51.53	5.00	50	0.5029	102	80	120	0	0	0	
Cadmium	49.77	2.50	50	0	99.5	80	120	0	0	0	
Chromium	52.10	2.50	50	0.05890	104	80	120	0	0	0	
Lead	49.82	5.00	50	0.06526	99.5	80	120	0	0	0	
Selenium	48.99	5.00	50	0	98	80	120	0	0	0	
Silver	5.032	2.50	5	0	101	80	120	0	0	0	

Sample ID: **1203734-048DMS** Client ID: **GP-24 3-4'** Units: **mg/Kg-dry** Prep Date: **03/13/2012** Run No: **216986**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **158869** Analysis Date: **03/13/2012** Seq No: **4536546**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	59.83	5.61	56.13	3.578	100	75	125	0	0	0	
Barium	107.7	5.61	56.13	70.58	66.1	75	125	0	0	0	S
Cadmium	54.07	2.81	56.13	0	96.3	75	125	0	0	0	
Chromium	66.35	2.81	56.13	9.051	102	75	125	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158869

Sample ID: **1203734-048DMS**	Client ID: **GP-24 3-4'**			Units: **mg/Kg-dry**	Prep Date: **03/13/2012**	Run No: **216986**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **158869**	Analysis Date: **03/13/2012**	Seq No: **4536546**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	70.60	5.61	56.13	21.66	87.2	75	125	0	0	0	
Selenium	45.69	5.61	56.13	0	81.4	75	125	0	0	0	
Silver	5.305	2.81	5.613	0	94.5	75	125	0	0	0	

Sample ID: **1203734-048DMSD**	Client ID: **GP-24 3-4'**			Units: **mg/Kg-dry**	Prep Date: **03/13/2012**	Run No: **216986**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **158869**	Analysis Date: **03/13/2012**	Seq No: **4536547**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	62.70	5.62	56.17	3.578	105	75	125	59.83	4.68	20	
Barium	128.3	5.62	56.17	70.58	103	75	125	107.7	17.5	20	
Cadmium	53.88	2.81	56.17	0	95.9	75	125	54.07	0.346	20	
Chromium	66.55	2.81	56.17	9.051	102	75	125	66.35	0.306	20	
Lead	70.44	5.62	56.17	21.66	86.8	75	125	70.60	0.23	20	
Selenium	45.53	5.62	56.17	0	81.1	75	125	45.69	0.342	20	
Silver	5.288	2.81	5.617	0	94.1	75	125	5.305	0.315	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158938

Sample ID: **MB-158938** Client ID: Units: **ug/Kg** Prep Date: **03/15/2012** Run No: **217088**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158938** Analysis Date: **03/15/2012** Seq No: **4540548**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	330	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	330	0	0	0	0	0	0	0	0	
Anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	330	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Chrysene	BRL	330	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	330	0	0	0	0	0	0	0	0	
Fluorene	BRL	330	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0	
Naphthalene	BRL	330	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	330	0	0	0	0	0	0	0	0	
Pyrene	BRL	330	0	0	0	0	0	0	0	0	
Surr: 2-Fluorobiphenyl	1410	0	1667	0	84.6	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1528	0	1667	0	91.7	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1358	0	1667	0	81.5	45.6	120	0	0	0	

Sample ID: **LCS-158938** Client ID: Units: **ug/Kg** Prep Date: **03/15/2012** Run No: **217088**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158938** Analysis Date: **03/15/2012** Seq No: **4540549**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1476	330	1667	0	88.5	61.9	120	0	0	0	
2-Methylnaphthalene	1514	330	1667	0	90.9	62.8	120	0	0	0	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158938

Sample ID: **LCS-158938** Client ID: Units: **ug/Kg** Prep Date: **03/15/2012** Run No: **217088**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158938** Analysis Date: **03/15/2012** Seq No: **4540549**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1409	330	1667	0	84.6	56.1	120	0	0	0	
Acenaphthylene	1590	330	1667	0	95.4	63.8	120	0	0	0	
Anthracene	1442	330	1667	0	86.5	65.5	120	0	0	0	
Benz(a)anthracene	1447	330	1667	0	86.8	64	120	0	0	0	
Benzo(a)pyrene	1409	330	1667	0	84.5	63.4	120	0	0	0	
Benzo(b)fluoranthene	1433	330	1667	0	86	66.4	120	0	0	0	
Benzo(g,h,i)perylene	1603	330	1667	0	96.2	62.1	120	0	0	0	
Benzo(k)fluoranthene	1533	330	1667	0	92	60.8	120	0	0	0	
Chrysene	1454	330	1667	0	87.2	62.3	120	0	0	0	
Dibenz(a,h)anthracene	1512	330	1667	0	90.7	62.9	120	0	0	0	
Fluoranthene	1640	330	1667	0	98.4	72.6	120	0	0	0	
Fluorene	1442	330	1667	0	86.5	60.4	120	0	0	0	
Indeno(1,2,3-cd)pyrene	1549	330	1667	0	92.9	60.3	120	0	0	0	
Naphthalene	1449	330	1667	0	86.9	61	120	0	0	0	
Phenanthrene	1519	330	1667	0	91.1	67.1	120	0	0	0	
Pyrene	1419	330	1667	0	85.1	64	120	0	0	0	
Surr: 2-Fluorobiphenyl	1440	0	1667	0	86.4	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1574	0	1667	0	94.4	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1351	0	1667	0	81	45.6	120	0	0	0	

Sample ID: **1203A13-004DMS** Client ID: Units: **ug/Kg-dry** Prep Date: **03/15/2012** Run No: **217088**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **158938** Analysis Date: **03/15/2012** Seq No: **4540556**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1534	350	1759	0	87.2	51	120	0	0	0	
2-Methylnaphthalene	1553	350	1759	0	88.2	53.2	120	0	0	0	
Acenaphthene	1510	350	1759	0	85.8	50	120	0	0	0	
Acenaphthylene	1746	350	1759	0	99.3	53.4	120	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158938

Sample ID: **1203A13-004DMS**	Client ID:		Units: **ug/Kg-dry**	Prep Date: **03/15/2012**	Run No: **217088**
SampleType: **MS**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**		BatchID: **158938**	Analysis Date: **03/15/2012**	Seq No: **4540556**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1585	350	1759	0	90.1	52.5	120	0	0	0	
Benz(a)anthracene	1518	350	1759	0	86.3	50	120	0	0	0	
Benzo(a)pyrene	1444	350	1759	0	82.1	51.7	120	0	0	0	
Benzo(b)fluoranthene	1472	350	1759	0	83.7	51.6	120	0	0	0	
Benzo(g,h,i)perylene	1703	350	1759	0	96.8	50.6	120	0	0	0	
Benzo(k)fluoranthene	1579	350	1759	0	89.7	51.2	120	0	0	0	
Chrysene	1506	350	1759	0	85.6	50.3	120	0	0	0	
Dibenz(a,h)anthracene	1679	350	1759	0	95.4	53.3	120	0	0	0	
Fluoranthene	1741	350	1759	0	98.9	54.1	120	0	0	0	
Fluorene	1532	350	1759	0	87.1	51.7	120	0	0	0	
Indeno(1,2,3-cd)pyrene	1598	350	1759	0	90.8	50.4	120	0	0	0	
Naphthalene	1491	350	1759	0	84.7	50.7	120	0	0	0	
Phenanthrene	1630	350	1759	0	92.6	53.9	120	0	0	0	
Pyrene	1554	350	1759	0	88.3	52	120	0	0	0	
Surr: 2-Fluorobiphenyl	1540	0	1760	0	87.5	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1679	0	1760	0	95.4	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1503	0	1760	0	85.4	45.6	120	0	0	0	

Sample ID: **1203A13-004DMSD**	Client ID:		Units: **ug/Kg-dry**	Prep Date: **03/15/2012**	Run No: **217088**
SampleType: **MSD**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**		BatchID: **158938**	Analysis Date: **03/15/2012**	Seq No: **4540557**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1551	350	1761	0	88	51	120	1534	1.08	18.5	
2-Methylnaphthalene	1551	350	1761	0	88.1	53.2	120	1553	0.104	18.6	
Acenaphthene	1468	350	1761	0	83.4	50	120	1510	2.79	18.8	
Acenaphthylene	1733	350	1761	0	98.4	53.4	120	1746	0.791	17.7	
Anthracene	1515	350	1761	0	86	52.5	120	1585	4.47	20.6	
Benz(a)anthracene	1547	350	1761	0	87.8	50	120	1518	1.89	15.9	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158938

Sample ID: **1203A13-004DMSD** Client ID:
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D**
Units: **ug/Kg-dry** Prep Date: **03/15/2012** Run No: **217088**
BatchID: **158938** Analysis Date: **03/15/2012** Seq No: **4540557**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1451	350	1761	0	82.4	51.7	120	1444	0.465	25.3	
Benzo(b)fluoranthene	1488	350	1761	0	84.5	51.6	120	1472	1.03	16.1	
Benzo(g,h,i)perylene	1609	350	1761	0	91.3	50.6	120	1703	5.68	21.1	
Benzo(k)fluoranthene	1516	350	1761	0	86.1	51.2	120	1579	4.04	24.3	
Chrysene	1529	350	1761	0	86.8	50.3	120	1506	1.51	15.8	
Dibenz(a,h)anthracene	1564	350	1761	0	88.8	53.3	120	1679	7.07	18.1	
Fluoranthene	1695	350	1761	0	96.2	54.1	120	1741	2.67	18.4	
Fluorene	1539	350	1761	0	87.4	51.7	120	1532	0.444	18	
Indeno(1,2,3-cd)pyrene	1573	350	1761	0	89.3	50.4	120	1598	1.54	20.7	
Naphthalene	1525	350	1761	0	86.6	50.7	120	1491	2.22	18.9	
Phenanthrene	1619	350	1761	0	91.9	53.9	120	1630	0.702	17	
Pyrene	1580	350	1761	0	89.7	52	120	1554	1.7	17.7	
Surr: 2-Fluorobiphenyl	1554	0	1761	0	88.3	51.9	120	1540	0	0	
Surr: 4-Terphenyl-d14	1733	0	1761	0	98.4	60.2	120	1679	0	0	
Surr: Nitrobenzene-d5	1504	0	1761	0	85.4	45.6	120	1503	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158983

Sample ID: **MB-158983** Client ID: Units: **ug/Kg** Prep Date: **03/15/2012** Run No: **217109**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158983** Analysis Date: **03/15/2012** Seq No: **4539141**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	250	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	250	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	250	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
2-Butanone	BRL	2500	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	500	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	500	0	0	0	0	0	0	0	0	
Acetone	BRL	5000	0	0	0	0	0	0	0	0	
Benzene	BRL	250	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	250	0	0	0	0	0	0	0	0	
Bromoform	BRL	250	0	0	0	0	0	0	0	0	
Bromomethane	BRL	250	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	500	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	250	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	250	0	0	0	0	0	0	0	0	
Chloroethane	BRL	500	0	0	0	0	0	0	0	0	
Chloroform	BRL	250	0	0	0	0	0	0	0	0	
Chloromethane	BRL	500	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158983

Sample ID: **MB-158983** Client ID: Units: **ug/Kg** Prep Date: **03/15/2012** Run No: **217109**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158983** Analysis Date: **03/15/2012** Seq No: **4539141**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	250	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	250	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	250	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	500	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	250	0	0	0	0	0	0	0	0	
Freon-113	BRL	500	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	250	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	250	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	250	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	250	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	250	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	250	0	0	0	0	0	0	0	0	
o-Xylene	BRL	250	0	0	0	0	0	0	0	0	
Styrene	BRL	250	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	250	0	0	0	0	0	0	0	0	
Toluene	BRL	250	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	250	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	250	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	250	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	250	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	500	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	2358	0	2500	0	94.3	56.5	134	0	0	0	
Surr: Dibromofluoromethane	2538	0	2500	0	102	71.8	135	0	0	0	
Surr: Toluene-d8	2412	0	2500	0	96.5	77.1	117	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158983

Sample ID: **LCS-158983** Client ID: Units: **ug/Kg** Prep Date: **03/15/2012** Run No: **217109**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158983** Analysis Date: **03/15/2012** Seq No: **4539139**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2582	250	2500	0	103	60	140	0	0	0	
Benzene	2671	250	2500	0	107	70	130	0	0	0	
Chlorobenzene	2637	250	2500	0	105	70	130	0	0	0	
Toluene	2606	250	2500	0	104	70	130	0	0	0	
Trichloroethene	2592	250	2500	0	104	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	2592	0	2500	0	104	56.5	134	0	0	0	
Surr: Dibromofluoromethane	2622	0	2500	0	105	71.8	135	0	0	0	
Surr: Toluene-d8	2526	0	2500	0	101	77.1	117	0	0	0	

Sample ID: **1203967-002AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **03/15/2012** Run No: **217109**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158983** Analysis Date: **03/15/2012** Seq No: **4539144**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3406	280	2832	0	120	51	159	0	0	0	
Benzene	3406	280	2832	0	120	67.6	139	0	0	0	
Chlorobenzene	3236	280	2832	0	114	73.6	135	0	0	0	
Toluene	3250	280	2832	0	115	63.5	140	0	0	0	
Trichloroethene	3413	280	2832	0	121	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	2875	0	2832	0	102	56.5	134	0	0	0	
Surr: Dibromofluoromethane	2874	0	2832	0	101	71.8	135	0	0	0	
Surr: Toluene-d8	2871	0	2832	0	101	77.1	117	0	0	0	

Sample ID: **1203967-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **03/15/2012** Run No: **217109**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158983** Analysis Date: **03/15/2012** Seq No: **4539145**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2978	280	2832	0	105	51	159	3406	13.4	25.7	
Benzene	3005	280	2832	0	106	67.6	139	3406	12.5	18.5	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158983

Sample ID: **1203967-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **03/15/2012** Run No: **217109**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **158983** Analysis Date: **03/15/2012** Seq No: **4539145**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2946	280	2832	0	104	73.6	135	3236	9.38	18.5	
Toluene	2866	280	2832	0	101	63.5	140	3250	12.6	18.8	
Trichloroethene	3060	280	2832	0	108	67.6	145	3413	10.9	20.7	
Surr: 4-Bromofluorobenzene	2992	0	2832	0	106	56.5	134	2875	0	0	
Surr: Dibromofluoromethane	2756	0	2832	0	97.3	71.8	135	2874	0	0	
Surr: Toluene-d8	2844	0	2832	0	100	77.1	117	2871	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159042

Sample ID: **MB-159042** Client ID: Units: **ug/Kg** Prep Date: **03/16/2012** Run No: **217206**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **159042** Analysis Date: **03/16/2012** Seq No: **4541259**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	10	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159042

Sample ID: **MB-159042** Client ID: Units: **ug/Kg** Prep Date: **03/16/2012** Run No: **217206**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **159042** Analysis Date: **03/16/2012** Seq No: **4541259**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	10	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	47.95	0	50	0	95.9	56.5	134	0	0	0	
Surr: Dibromofluoromethane	53.10	0	50	0	106	71.8	135	0	0	0	
Surr: Toluene-d8	48.01	0	50	0	96	77.1	117	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159042

Sample ID: **MB-159042**	Client ID:				Units: **ug/Kg**		Prep Date: **03/16/2012**		Run No: **217206**	
SampleType: **MBLK**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**				BatchID: **159042**		Analysis Date: **03/16/2012**		Seq No: **4549855**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
1,4-Dioxane	BRL	150	0	0	0	0	0	0	0	0
Surr: 4-Bromofluorobenzene	47.95	0	50	0	95.9	56.5	134	0	0	0
Surr: Dibromofluoromethane	53.10	0	50	0	106	71.8	135	0	0	0
Surr: Toluene-d8	48.01	0	50	0	96	77.1	117	0	0	0

Sample ID: **LCS-159042**	Client ID:				Units: **ug/Kg**		Prep Date: **03/16/2012**		Run No: **217244**	
SampleType: **LCS**	TestCode: **TCL VOLATILE ORGANICS SW8260B**				BatchID: **159042**		Analysis Date: **03/16/2012**		Seq No: **4542010**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
1,1-Dichloroethene	52.53	5.0	50	0	105	60	140	0	0	0
Benzene	58.81	5.0	50	0	118	70	130	0	0	0
Chlorobenzene	53.70	5.0	50	0	107	70	130	0	0	0
Toluene	58.54	5.0	50	0	117	70	130	0	0	0
Trichloroethene	55.80	5.0	50	0	112	70	130	0	0	0
Surr: 4-Bromofluorobenzene	59.01	0	50	0	118	56.5	134	0	0	0
Surr: Dibromofluoromethane	57.26	0	50	0	115	71.8	135	0	0	0
Surr: Toluene-d8	58.20	0	50	0	116	77.1	117	0	0	0

Sample ID: **LCS-159042**	Client ID:				Units: **ug/Kg**		Prep Date: **03/16/2012**		Run No: **217244**	
SampleType: **LCS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**				BatchID: **159042**		Analysis Date: **03/16/2012**		Seq No: **4549882**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Surr: 4-Bromofluorobenzene	59.01	0	50	0	118	56.5	134	0	0	0
Surr: Dibromofluoromethane	57.26	0	50	0	115	71.8	135	0	0	0
Surr: Toluene-d8	58.20	0	50	0	116	77.1	117	0	0	0

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159042

Sample ID: **1203734-010AMS**	Client ID: **GP-09 1-2**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217206**
SampleType: **MS**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **159042**	Analysis Date: **03/16/2012**	Seq No: **4541257**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	61.84	5.8	58.17	0	106	51	159	0	0	0	
Benzene	69.44	5.8	58.17	0	119	67.6	139	0	0	0	
Chlorobenzene	66.27	5.8	58.17	0	114	73.6	135	0	0	0	
Toluene	67.90	5.8	58.17	0	117	63.5	140	0	0	0	
Trichloroethene	66.02	5.8	58.17	0	113	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	65.64	0	58.17	0	113	56.5	134	0	0	0	
Surr: Dibromofluoromethane	63.56	0	58.17	0	109	71.8	135	0	0	0	
Surr: Toluene-d8	63.44	0	58.17	0	109	77.1	117	0	0	0	

Sample ID: **1203734-010AMS**	Client ID: **GP-09 1-2**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217206**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**	BatchID: **159042**	Analysis Date: **03/16/2012**	Seq No: **4549848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	65.64	0	58.17	0	113	56.5	134	0	0	0	
Surr: Dibromofluoromethane	63.56	0	58.17	0	109	71.8	135	0	0	0	
Surr: Toluene-d8	63.44	0	58.17	0	109	77.1	117	0	0	0	

Sample ID: **1203734-010AMSD**	Client ID: **GP-09 1-2**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217206**
SampleType: **MSD**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **159042**	Analysis Date: **03/16/2012**	Seq No: **4541258**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	67.75	5.8	58.17	0	116	51	159	61.84	9.12	25.7	
Benzene	78.91	5.8	58.17	0	136	67.6	139	69.44	12.8	18.5	
Chlorobenzene	71.89	5.8	58.17	0	124	73.6	135	66.27	8.13	18.5	
Toluene	75.75	5.8	58.17	0	130	63.5	140	67.90	10.9	18.8	
Trichloroethene	72.17	5.8	58.17	0	124	67.6	145	66.02	8.91	20.7	
Surr: 4-Bromofluorobenzene	67.38	0	58.17	0	116	56.5	134	65.64	0	0	
Surr: Dibromofluoromethane	66.35	0	58.17	0	114	71.8	135	63.56	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159042

Sample ID: **1203734-010AMSD**	Client ID: **GP-09 1-2**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217206**
SampleType: **MSD**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **159042**	Analysis Date: **03/16/2012**	Seq No: **4541258**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Toluene-d8	65.26	0	58.17	0	112	77.1	117	63.44	0	0	

Sample ID: **1203734-010AMSD**	Client ID: **GP-09 1-2**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217206**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**	BatchID: **159042**	Analysis Date: **03/16/2012**	Seq No: **4549851**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	67.38	0	58.17	0	116	56.5	134	65.64	0	0	
Surr: Dibromofluoromethane	66.35	0	58.17	0	114	71.8	135	63.56	0	0	
Surr: Toluene-d8	65.26	0	58.17	0	112	77.1	117	63.44	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159111

Sample ID: **MB-159111** Client ID: Units: **ug/Kg** Prep Date: **03/16/2012** Run No: **217244**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **159111** Analysis Date: **03/16/2012** Seq No: **4542661**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	100	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	10	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159111

Sample ID: **MB-159111** Client ID: Units: **ug/Kg** Prep Date: **03/16/2012** Run No: **217244**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **159111** Analysis Date: **03/16/2012** Seq No: **4542661**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	10	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	50.65	0	50	0	101	56.5	134	0	0	0	
Surr: Dibromofluoromethane	53.09	0	50	0	106	71.8	135	0	0	0	
Surr: Toluene-d8	51.32	0	50	0	103	77.1	117	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159111

Sample ID: **MB-159111** Client ID: Units: **ug/Kg** Prep Date: **03/16/2012** Run No: **217244**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **159111** Analysis Date: **03/16/2012** Seq No: **4549781**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,4-Dioxane	BRL	150	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	50.65	0	50	0	101	56.5	134	0	0	0	
Surr: Dibromofluoromethane	53.09	0	50	0	106	71.8	135	0	0	0	
Surr: Toluene-d8	51.32	0	50	0	103	77.1	117	0	0	0	

Sample ID: **LCS-159111** Client ID: Units: **ug/Kg** Prep Date: **03/16/2012** Run No: **217244**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **159111** Analysis Date: **03/16/2012** Seq No: **4542672**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.44	5.0	50	0	115	60	140	0	0	0	
Benzene	60.42	5.0	50	0	121	70	130	0	0	0	
Chlorobenzene	57.89	5.0	50	0	116	70	130	0	0	0	
Toluene	61.00	5.0	50	0	122	70	130	0	0	0	
Trichloroethene	57.55	5.0	50	0	115	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	59.20	0	50	0	118	56.5	134	0	0	0	
Surr: Dibromofluoromethane	55.02	0	50	0	110	71.8	135	0	0	0	
Surr: Toluene-d8	54.50	0	50	0	109	77.1	117	0	0	0	

Sample ID: **LCS-159111** Client ID: Units: **ug/Kg** Prep Date: **03/16/2012** Run No: **217244**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **159111** Analysis Date: **03/16/2012** Seq No: **4549788**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	59.20	0	50	0	118	56.5	134	0	0	0	
Surr: Dibromofluoromethane	55.02	0	50	0	110	71.8	135	0	0	0	
Surr: Toluene-d8	54.50	0	50	0	109	77.1	117	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159111

Sample ID: **1203734-007AMS**	Client ID: **GP-03 6-7**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217244**
SampleType: **MS**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **159111**	Analysis Date: **03/16/2012**	Seq No: **4542675**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	59.89	6.0	60.2	0	99.5	51	159	0	0	0	
Benzene	62.68	6.0	60.2	0	104	67.6	139	0	0	0	
Chlorobenzene	59.24	6.0	60.2	0	98.4	73.6	135	0	0	0	
Toluene	60.40	6.0	60.2	0	100	63.5	140	0	0	0	
Trichloroethene	57.58	6.0	60.2	0	95.6	67.6	145	0	0	0	
Surr: 4-Bromofluorobenzene	66.83	0	60.2	0	111	56.5	134	0	0	0	
Surr: Dibromofluoromethane	67.81	0	60.2	0	113	71.8	135	0	0	0	
Surr: Toluene-d8	67.16	0	60.2	0	112	77.1	117	0	0	0	

Sample ID: **1203734-007AMS**	Client ID: **GP-03 6-7**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217244**
SampleType: **MS**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**	BatchID: **159111**	Analysis Date: **03/16/2012**	Seq No: **4549791**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	66.83	0	60.2	0	111	56.5	134	0	0	0	
Surr: Dibromofluoromethane	67.81	0	60.2	0	113	71.8	135	0	0	0	
Surr: Toluene-d8	67.16	0	60.2	0	112	77.1	117	0	0	0	

Sample ID: **1203734-007AMSD**	Client ID: **GP-03 6-7**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217244**
SampleType: **MSD**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **159111**	Analysis Date: **03/16/2012**	Seq No: **4542679**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.39	6.0	60.2	0	104	51	159	59.89	4.1	25.7	
Benzene	66.42	6.0	60.2	0	110	67.6	139	62.68	5.8	18.5	
Chlorobenzene	62.66	6.0	60.2	0	104	73.6	135	59.24	5.61	18.5	
Toluene	63.78	6.0	60.2	0	106	63.5	140	60.40	5.43	18.8	
Trichloroethene	61.37	6.0	60.2	0	102	67.6	145	57.58	6.38	20.7	
Surr: 4-Bromofluorobenzene	68.87	0	60.2	0	114	56.5	134	66.83	0	0	
Surr: Dibromofluoromethane	66.51	0	60.2	0	110	71.8	135	67.81	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159111

Sample ID: **1203734-007AMSD**	Client ID: **GP-03 6-7**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217244**
SampleType: **MSD**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **159111**	Analysis Date: **03/16/2012**	Seq No: **4542679**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Toluene-d8	66.94	0	60.2	0	111	77.1	117	67.16	0	0	

Sample ID: **1203734-007AMSD**	Client ID: **GP-03 6-7**	Units: **ug/Kg-dry**	Prep Date: **03/16/2012**	Run No: **217244**
SampleType: **MSD**	TestCode: **Volatile Organic Compounds by GC/MS SW8260B**	BatchID: **159111**	Analysis Date: **03/16/2012**	Seq No: **4549793**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	68.87	0	60.2	0	114	56.5	134	66.83	0	0	
Surr: Dibromofluoromethane	66.51	0	60.2	0	110	71.8	135	67.81	0	0	
Surr: Toluene-d8	66.94	0	60.2	0	111	77.1	117	67.16	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159434

Sample ID: **MB-159434** Client ID: Units: **mg/Kg** Prep Date: **03/26/2012** Run No: **217895**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **159434** Analysis Date: **03/27/2012** Seq No: **4556033**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-159434** Client ID: Units: **mg/Kg** Prep Date: **03/26/2012** Run No: **217895**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **159434** Analysis Date: **03/27/2012** Seq No: **4556032**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	47.74	5.00	50	0	95.5	80	120	0	0	0	

Sample ID: **1203K64-004BMS** Client ID: Units: **mg/Kg-dry** Prep Date: **03/26/2012** Run No: **217895**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **159434** Analysis Date: **03/27/2012** Seq No: **4556037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	174.0	7.25	72.53	113.1	83.9	75	125	0	0	0	

Sample ID: **1203K64-004BMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **03/26/2012** Run No: **217895**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **159434** Analysis Date: **03/27/2012** Seq No: **4556038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	188.1	7.21	72.13	113.1	104	75	125	174.0	7.78	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 29, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 139 Brampton Road Property

Dear Tyler Boyles: Order No: 1203K17

Analytical Environmental Services, Inc. received 2 samples on March 23, 2012 2:05 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Kathryn E. Waters

Kathryn Waters
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1203K17

Date: 3/24/12 Page 1 of 1

COMPANY:	ADDRESS:
AMEL	396 Plasters Ave
PHONE: 404 817 0153	FAX: 404817 0183
SAMPLED BY: Tyler Boyles	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Lead-Total	PRESERVATION (See codes) NA	REMARKS	No # of Containers
1	GP-13 2-3'	3/6/12	0957	X		SO	X			1
2	GP-15 3'	3/6/12	1022	X		SO	X			1
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

ANALYSIS REQUESTED

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/24/12 1405	1:	3/23/12 2:05
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: 139 Brampton Road Property
PROJECT #: 6121 09 0220
SITE ADDRESS: Savannah, GA
SEND REPORT TO: Tyler Boyles
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT

Total # of Containers: 2

Turnaround Time Request
- X Standard 5 Business Days
- O 2 Business Day Rush
- O Next Business Day Rush
- O Same Day Rush **(auth req.)**
- O Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-13 2-3'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 9:57:00 AM
Lab ID:	1203K17-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	11.3	5.86		mg/Kg-dry	159434	1	03/27/2012 19:01	TA
PERCENT MOISTURE D2216								
Percent Moisture	21.1	0		wt%	R218124	1	03/29/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-15 3'
Project Name:	139 Brampton Road Property	**Collection Date:**	3/6/2012 10:22:00 AM
Lab ID:	1203K17-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	BRL	6.47		mg/Kg-dry	159434	1	03/27/2012 19:12	TA
PERCENT MOISTURE D2216								
Percent Moisture	26.9	0		wt%	R218124	1	03/29/2012 11:30	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Mactec Work Order Number 1203K17

Checklist completed by Mark 3-23-12
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 Ambient Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Services, Inc

Date: 29-Mar-12

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab Order: 1203K17

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1203K17-001A	GP-13 2-3'	3/6/2012 9:57:00AM	Soil	TOTAL METALS BY ICP		03/26/2012	03/27/2012
1203K17-001A	GP-13 2-3'	3/6/2012 9:57:00AM	Soil	PERCENT MOISTURE			03/29/2012
1203K17-002A	GP-15 3'	3/6/2012 10:22:00AM	Soil	TOTAL METALS BY ICP		03/26/2012	03/27/2012
1203K17-002A	GP-15 3'	3/6/2012 10:22:00AM	Soil	PERCENT MOISTURE			03/29/2012

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203K17

ANALYTICAL QC SUMMARY REPORT

BatchID: 159434

Sample ID: **MB-159434**	Client ID:			Units: **mg/Kg**	Prep Date: **03/26/2012**	Run No: **217895**
SampleType: **MBLK**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **159434**	Analysis Date: **03/27/2012**	Seq No: **4556033**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-159434**	Client ID:			Units: **mg/Kg**	Prep Date: **03/26/2012**	Run No: **217895**
SampleType: **LCS**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **159434**	Analysis Date: **03/27/2012**	Seq No: **4556032**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	47.74	5.00	50	0	95.5	80	120	0	0	0	

Sample ID: **1203K64-004BMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **03/26/2012**	Run No: **217895**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **159434**	Analysis Date: **03/27/2012**	Seq No: **4556037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	174.0	7.25	72.53	113.1	83.9	75	125	0	0	0	

Sample ID: **1203K64-004BMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **03/26/2012**	Run No: **217895**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **159434**	Analysis Date: **03/27/2012**	Seq No: **4556038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	188.1	7.21	72.13	113.1	104	75	125	174.0	7.78	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 31, 2012

Tyler Boyles
AMEC E&I, Inc.
396 Plasters Ave
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: 139 Brampton Road Property

Dear Tyler Boyles: Order No: 1203L63

Analytical Environmental Services, Inc. received 1 samples on 3/8/2012 5:50:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Kathryn E. Waters

Kathryn Waters
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

KEN 3/27/12 — 1203463

Work Order: ~~1203739~~

Date: 3/8/12 — Page 1 of 4

COMPANY	ADDRESS
AMEC	5th Plaster Ave Atlanta GA
PHONE: 404 817 0153	FAX: 404 817 0183
SAMPLED BY: Tyler Bayley	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	PAH	Metals	Lead	Total Organic Carbon	REMARKS	No # of Containers
	PRESERVATION (See codes)						SM	NA	VA	NA	NA		
1	EW-01 2-4	3/5/12	1546	X		SO	X	X	X				6
2	EW-01 10-12										X		1
3	GP-01 1-2		1610							X			1
4	GP-01 3-4		1613							X		HOLD	1
5	GP-04 7'		1651							X			1
6	GP-03 1-2		1700				X	X	X				6
7	GP-03 6-7		1707				X	X	X				6
8	GP-02 1-2		1712							X			1
9	GP-02 3-4	3/5/12	1714							X		HOLD	1
10	GP-09 1-2	3/6/12	0817				X	X	X				6
11	GP-09 5-6		0819				X	X	X				6
12	GP-10 0-1		0840							X			1
13	GP-10 2-3		0841				X	X	X				6
14	GP-10 6-7	3/6/12	0844	X		SO	X	X	X				6

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/8/12	1:	3/8/12 5:50
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: 139 Brampton Rd Property

PROJECT #: 6121 09 0220

SITE ADDRESS: Savannah GA

SEND REPORT TO: Tyler Bayley

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: _____ PO#: _____

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

RECEIPT

Total # of Containers: 49

Turnaround Time Request

- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any) _____

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

KEW 3/27/12 1203L63
Work Order: ~~1203734~~

Date: 3/8/12 Page 2 of 4

COMPANY:	ADDRESS:
AMEC	396 Plasters Ave Atlanta GA
PHONE: 404 817 0153	FAX: 404 817 0183
SAMPLED BY: Tyler Bayles	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	PAHs	Metals	Lead	PRESERVATION (See codes) Soil	NA	NA	NA	REMARKS	No # of Containers
1	GP-11 0-1	3/6/12	0914	X		SO				X						1
2	GP-11 1-2		0915							X						1
3	GP-12 0-1		0933							X						1
4	GP-12 1-2		0934							X						1
5	GP-13 0-1		0954							X						1
6	GP-13 1-2		0956							X						1
7	GP-14 1'		1006							X						1
8	GP-14 2'		1007							X						1
9	GP-15 - 1		1020							X						1
10	GP-15 2'		1021							X						1
11	GP-16 1-2		1325				X	X	X							6
12	GP-16 6-7		1329				X	X	X							6
13	DUP-1		1390				X	X	X							6
14	GP-17 1	3/16/12	1345	X		SO				X						1

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/8/12 930	1: 3/8/12 5:50	
2:		2:	
3:		3:	

PROJECT INFORMATION
PROJECT NAME: 139 Brampton Rd Property
PROJECT #: 6121 09 0220
SITE ADDRESS: Savannah, GA
SEND REPORT TO: Tyler Bayles
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 29

Turnaround Time Request
- Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush (auth req.)
- Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

1203L63

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

K.GW 3/27/12

Work Order: ~~1203734~~

Date: 3/8/12 Page 3 of 4

COMPANY: AMEC	ADDRESS: 396 Plasters Ave Atlanta GA
PHONE: 404 817 0153	FAX: 404 817 0183
SAMPLED BY: Tyler Boyles	SIGNATURE:

| # | SAMPLE ID | SAMPLED DATE | SAMPLED TIME | Grab | Composite | Matrix (See codes) | VOCs | PAHs | Metals | Lead | | |

KEN 3/27/12 1203L63

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: ~~1203734~~

Date: 3/8/12 Page 4 of 4

COMPANY:	ADDRESS:
AMEC	396 Plasters Ave Atlanta GA
PHONE: 404 817 0153	FAX: 404 817 0183
SAMPLED BY: Tyler Bayles	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	PAHs	Metals	Lead	PRESERVATION (See codes) Soil	NA	HL	NA	REMARKS	No # of Containers
1	GP-20 2'	3/7/12	0906	X		SO				X					Hold	1
2	GP-21 1'		0918							X						1
3	GP-21 2'		0920							X					Hold	1
4	GP-22 1'		1317							X						1
5	GP-22 2'		1319							X					Hold	1
6	GP-25 3-4'		1335				X	X	X							6
7	GP-24 3-4		1355				X	X	X							6
8	~~FB~~ GP-26 2-3		1407				X	X	X							6
9	GP-23 2'	3/7/12	1423	X						X						1
10	SP-1	3/8/12	0815		X					X						1
11	SP-2	3/8/12	0945		X					X						1
12	TRIP BLANK						X									
13																
14																

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

ANALYSIS REQUESTED

PRESERVATION (See codes)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY	DATE/TIME
1:	3/8/12 500	1:	3/8/12 5:50
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: 139 Brampton Rd Property
PROJECT #: 6121 09 0220
SITE ADDRESS: Savannah, GA
SEND REPORT TO: Tyler Bayles
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT

Total # of Containers: 26

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 31-Mar-12

Client: AMEC E&I, Inc.
Project: 139 Brampton Road Property
Lab ID: 1203L63

Case Narrative

Per email instructions from Tyler Boyles on 3/23/12 at 9:27 am, sample "SP-2" (previous work order 1203734-052) should be analyzed and reported for TCLP-Lead for standard TAT.

Analytical Environmental Services, Inc **Date:** 31-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	SP-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/8/2012 9:45:00 AM
Lab ID:	1203L63-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ICP METALS, TCLP SW1311/6010C					**(SW3010A)**			
Lead	0.413	0.0500		mg/L	159581	1	03/29/2012 16:17	TA

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

1203L63 KEV 3/27/12

Client Anec Work Order Number ~~1203734~~

Checklist completed by _____ 03/09/2012
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.5 Cooler #2 3.3 Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes __ No ✓

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Workorder: 1203L63

ANALYTICAL QC SUMMARY REPORT

BatchID: 159581

Sample ID: **MB-159581**	Client ID:			Units: **mg/L**		Prep Date: **03/29/2012**		Run No: **218154**
SampleType: **MBLK**	TestCode: **ICP METALS, TCLP** **SW1311/6010C**			BatchID: **159581**		Analysis Date: **03/29/2012**		Seq No: **4561325**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	0.0500	0	0	0	0	0	0	0	0	

Sample ID: **MB-159581-2**	Client ID:			Units: **mg/L**		Prep Date: **03/29/2012**		Run No: **218154**
SampleType: **MBLK**	TestCode: **ICP METALS, TCLP** **SW1311/6010C**			BatchID: **159581**		Analysis Date: **03/29/2012**		Seq No: **4561326**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	0.0500	0	0	0	0	0	0	0	0	

Sample ID: **LCS-159581**	Client ID:			Units: **mg/L**		Prep Date: **03/29/2012**		Run No: **218154**
SampleType: **LCS**	TestCode: **ICP METALS, TCLP** **SW1311/6010C**			BatchID: **159581**		Analysis Date: **03/29/2012**		Seq No: **4561324**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	4.765	0.0500	5	0	95.3	85	115	0	0	0	

Sample ID: **1203L67-001BMS**	Client ID:			Units: **mg/L**		Prep Date: **03/29/2012**		Run No: **218154**
SampleType: **MS**	TestCode: **ICP METALS, TCLP** **SW1311/6010C**			BatchID: **159581**		Analysis Date: **03/29/2012**		Seq No: **4561331**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	4.828	0.0500	5	0	96.6	50	150	0	0	0	

Sample ID: **1203L67-001BMSD**	Client ID:			Units: **mg/L**		Prep Date: **03/29/2012**		Run No: **218154**
SampleType: **MSD**	TestCode: **ICP METALS, TCLP** **SW1311/6010C**			BatchID: **159581**		Analysis Date: **03/29/2012**		Seq No: **4561333**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	4.805	0.0500	5	0	96.1	50	150	4.828	0.481	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 11:30:00 AM
Lab ID:	1203706-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,1,2-Trichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,1-Dichloroethane	5.7	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,1-Dichloroethene	7.7	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dibromoethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dichloroethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,2-Dichloropropane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,3-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
1,4-Dichlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
2-Butanone	BRL	50		ug/L	158879	1	03/13/2012 10:27	SB
2-Hexanone	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
4-Methyl-2-pentanone	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
Acetone	BRL	50		ug/L	158879	1	03/13/2012 10:27	SB
Benzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Bromodichloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Bromoform	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Bromomethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Carbon disulfide	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Carbon tetrachloride	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Chlorobenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Chloroethane	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
Chloroform	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Chloromethane	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
cis-1,2-Dichloroethene	16	5.0		ug/L	158879	1	03/13/2012 10:27	SB
cis-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Cyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Dibromochloromethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Dichlorodifluoromethane	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
Ethylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Freon-113	BRL	10		ug/L	158879	1	03/13/2012 10:27	SB
Isopropylbenzene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
m,p-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Methyl acetate	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Methyl tert-butyl ether	5.1	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Methylcyclohexane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Methylene chloride	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
o-Xylene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 16-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	EW-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/7/2012 11:30:00 AM
Lab ID:	1203706-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Tetrachloroethene	76	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Toluene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
trans-1,2-Dichloroethene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
trans-1,3-Dichloropropene	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Trichloroethene	51	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Trichlorofluoromethane	BRL	5.0		ug/L	158879	1	03/13/2012 10:27	SB
Vinyl chloride	BRL	2.0		ug/L	158879	1	03/13/2012 10:27	SB
Surr: 4-Bromofluorobenzene	91.6	67.4-123		%REC	158879	1	03/13/2012 10:27	SB
Surr: Dibromofluoromethane	107	75.5-128		%REC	158879	1	03/13/2012 10:27	SB
Surr: Toluene-d8	91.2	70-120		%REC	158879	1	03/13/2012 10:27	SB
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	158860	1	03/13/2012 15:49	TA
Barium	0.0565	0.0200		mg/L	158860	1	03/13/2012 15:49	TA
Cadmium	BRL	0.0050		mg/L	158860	1	03/13/2012 15:49	TA
Chromium	BRL	0.0100		mg/L	158860	1	03/13/2012 15:49	TA
Lead	BRL	0.0100		mg/L	158860	1	03/13/2012 15:49	TA
Selenium	BRL	0.0200		mg/L	158860	1	03/13/2012 15:49	TA
Silver	BRL	0.0100		mg/L	158860	1	03/13/2012 15:49	TA
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:48	LD
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	158903	1	03/14/2012 16:03	LD
METALS, TOTAL SW6010C				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	158805	1	03/12/2012 17:53	TA
Barium	0.0741	0.0200		mg/L	158805	1	03/12/2012 17:53	TA
Cadmium	BRL	0.0050		mg/L	158805	1	03/12/2012 17:53	TA
Chromium	BRL	0.0100		mg/L	158805	1	03/12/2012 17:53	TA
Lead	BRL	0.0100		mg/L	158805	1	03/12/2012 17:53	TA
Selenium	BRL	0.0200		mg/L	158805	1	03/12/2012 17:53	TA
Silver	BRL	0.0100		mg/L	158805	1	03/12/2012 17:53	TA

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-03 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 5:00:00 PM
Lab ID:	1203734-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
1,4-Dioxane	BRL	190		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	159042	1	03/16/2012 18:15	JE
Surr: Dibromofluoromethane	117	71.8-135		%REC	159042	1	03/16/2012 18:15	JE
Surr: Toluene-d8	102	77.1-117		%REC	159042	1	03/16/2012 18:15	JE
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.129		mg/Kg-dry	158852	1	03/13/2012 14:42	LD
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	17	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,1,2,2-Tetrachloroethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,1,2-Trichloroethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,1-Dichloroethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,1-Dichloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2,4-Trichlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dibromo-3-chloropropane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dibromoethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dichlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dichloroethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,2-Dichloropropane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,3-Dichlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
1,4-Dichlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
2-Butanone	BRL	62		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
2-Hexanone	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
4-Methyl-2-pentanone	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Acetone	BRL	120		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Benzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Bromodichloromethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Bromoform	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Bromomethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Carbon disulfide	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Carbon tetrachloride	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Chlorobenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Chloroethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Chloroform	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Chloromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
cis-1,2-Dichloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
cis-1,3-Dichloropropene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Cyclohexane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Dibromochloromethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Mar-12

Client:	AMEC E&I, Inc.	**Client Sample ID:**	GP-03 1-2
Project Name:	139 Brampton Road Property	**Collection Date:**	3/5/2012 5:00:00 PM
Lab ID:	1203734-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Ethylbenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Freon-113	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Isopropylbenzene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
m,p-Xylene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Methyl acetate	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Methyl tert-butyl ether	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Methylcyclohexane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Methylene chloride	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
o-Xylene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Styrene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Tetrachloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Toluene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
trans-1,2-Dichloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
trans-1,3-Dichloropropene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Trichloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Trichlorofluoromethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Vinyl chloride	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Surr: 4-Bromofluorobenzene	106	56.5-134		%REC	159042	1	03/16/2012 18:15	JE
Surr: Dibromofluoromethane	117	71.8-135		%REC	159042	1	03/16/2012 18:15	JE
Surr: Toluene-d8	102	77.1-117		%REC	159042	1	03/16/2012 18:15	JE
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Acenaphthylene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
1-Methylnaphthalene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
2-Methylnaphthalene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Acenaphthene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Fluorene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Phenanthrene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Anthracene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Fluoranthene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Pyrene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benz(a)anthracene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Chrysene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benzo(a)pyrene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Surr: 2-Fluorobiphenyl	84.4	51.9-120		%REC	158849	1	03/14/2012 17:31	NE

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Report 459815

for

AMEC E&I, Inc.

Project Manager: Tyler Boyles

139 Brampton Road

6121090220

08-APR-13

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

08-APR-13

Project Manager: **Tyler Boyles**
AMEC E&I, Inc.
396 Plasters Ave
Atlanta, GA 30324

Reference: XENCO Report No(s): **459815**
139 Brampton Road
Project Address: Atlanta, GA

Tyler Boyles:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459815. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459815 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Dijana Piljak

Dijana Piljak
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GP-27-1'	S	03-19-13 10:10		459815-001
GP-28-1'	S	03-19-13 10:40		459815-003
GP-29-1'	S	03-19-13 11:05		459815-005
GP-30-1'	S	03-19-13 12:02		459815-007
GP-31-1'	S	03-19-13 13:55		459815-009
GP-32-1-2'	S	03-19-13 14:33		459815-011
GP-33-1'	S	03-19-13 15:30		459815-013
GP-34-2-3'	S	03-19-13 16:00		459815-015
GP-35-2-3'	S	03-19-13 16:29		459815-017
GP-36-2-3'	S	03-19-13 17:04		459815-019
GP-37-1'	S	03-19-13 17:15		459815-021
GP-38-1'	S	03-19-13 17:45		459815-023
DUP-1	S	03-19-13 17:45		459815-025
DUP-2	S	03-19-13 16:29		459815-026
GW-9	W	03-20-13 10:50		459815-027
EW-3	W	03-20-13 12:06		459815-028
Trip Blank	W	03-20-13 00:00		459815-029
GP-32-1'	S	03-19-13 14:31		459815-030
GP-27-2'	S	03-19-13 10:12		Not Analyzed
GP-28-2'	S	03-19-13 10:42		Not Analyzed
GP-29-2'	S	03-19-13 11:07		Not Analyzed
GP-30-2'	S	03-19-13 12:04		Not Analyzed
GP-31-2'	S	03-19-13 13:57		Not Analyzed
GP-32-3-4'	S	03-19-13 14:35		Not Analyzed
GP-33-2'	S	03-19-13 15:35		Not Analyzed
GP-34-3-5'	S	03-19-13 16:02		Not Analyzed
GP-35-3-5'	S	03-19-13 16:31		Not Analyzed
GP-36-3-5'	S	03-19-13 17:06		Not Analyzed
GP-37-2'	S	03-19-13 17:17		Not Analyzed
GP-38-2'	S	03-19-13 17:47		Not Analyzed

Sample receipt non conformances and comments:

Project Manager's Notations:

1. This revised report replaces the original issued March 29th, 2013. In order to better meet client site data quality objectives, a different VOC list has been reported. No other changes have been made to this report.

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-27-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-001** Date Collected: 03.19.13 10.10

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 13.13

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**17.8**	5.19	mg/kg	03.28.13 14.46		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**13.1**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-28-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-003** Date Collected: 03.19.13 10.40

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 19.9

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**75.5**	5.89	mg/kg	03.28.13 14.48		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**19.9**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-29-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-005** Date Collected: 03.19.13 11.05

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 10.59

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**41.6**	4.95	mg/kg	03.28.13 14.49		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**10.6**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-30-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-007** Date Collected: 03.19.13 12.02

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 8.99

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	BRL	5.23	mg/kg	03.28.13 14.51	U	1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**8.99**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-31-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-009** Date Collected: 03.19.13 13.55

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 15.36

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**6.86**	5.23	mg/kg	03.28.13 14.53		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**15.4**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-32-1-2'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-011** Date Collected: 03.19.13 14.33

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**12.7**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-32-1-2'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-011** Date Collected: 03.19.13 14.33

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 12.67

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,4-Dioxane	123-91-1	BRL	0.0984	mg/kg	03.25.13 09.11	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0492	mg/kg	03.25.13 09.11	U	1
2-Hexanone	591-78-6	BRL	0.00984	mg/kg	03.25.13 09.11	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.00984	mg/kg	03.25.13 09.11	U	1
Acetone	67-64-1	**0.0107**	0.00984	mg/kg	03.25.13 09.11		1
Benzene	71-43-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Bromodichloromethane	75-27-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Bromoform	75-25-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Bromomethane	74-83-9	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Carbon disulfide	75-15-0	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Carbon tetrachloride	56-23-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Chlorobenzene	108-90-7	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Chloroethane	75-00-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Chloroform	67-66-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Chloromethane	74-87-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Cyclohexane	110-82-7	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Dibromochloromethane	124-48-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Ethylbenzene	100-41-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Isopropylbenzene	98-82-8	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
m,p-Xylenes	179601-23-1	BRL	0.00984	mg/kg	03.25.13 09.11	U	1
Methyl acetate	79-20-9	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.00984	mg/kg	03.25.13 09.11	U	1
Methylcyclohexane	108-87-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Methylene chloride	75-09-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-32-1-2'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-011** Date Collected: 03.19.13 14.33

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 12.67

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Styrene	100-42-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Tetrachloroethene	127-18-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Toluene	108-88-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Trichloroethene	79-01-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Vinyl chloride	75-01-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	97	%	50-150	03.25.13 09.11	
4-Bromofluorobenzene	460-00-4	108	%	57-158	03.25.13 09.11	
Toluene-D8	2037-26-5	99	%	50-150	03.25.13 09.11	

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-33-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-013** Date Collected: 03.19.13 15.30

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 13.44

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**6.49**	5.72	mg/kg	03.28.13 14.54		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**13.4**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-34-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-015** Date Collected: 03.19.13 16.00

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**15.5**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-34-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-015** Date Collected: 03.19.13 16.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 15.45

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,4-Dioxane	123-91-1	BRL	0.102	mg/kg	03.25.13 13.42	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0510	mg/kg	03.25.13 13.42	U	1
2-Hexanone	591-78-6	BRL	0.0102	mg/kg	03.25.13 13.42	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.0102	mg/kg	03.25.13 13.42	U	1
Acetone	67-64-1	**0.0113**	0.0102	mg/kg	03.25.13 13.42		1
Benzene	71-43-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Bromodichloromethane	75-27-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Bromoform	75-25-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Bromomethane	74-83-9	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Carbon disulfide	75-15-0	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Carbon tetrachloride	56-23-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Chlorobenzene	108-90-7	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Chloroethane	75-00-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Chloroform	67-66-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Chloromethane	74-87-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Cyclohexane	110-82-7	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Dibromochloromethane	124-48-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Ethylbenzene	100-41-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Isopropylbenzene	98-82-8	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
m,p-Xylenes	179601-23-1	BRL	0.0102	mg/kg	03.25.13 13.42	U	1
Methyl acetate	79-20-9	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.0102	mg/kg	03.25.13 13.42	U	1
Methylcyclohexane	108-87-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Methylene chloride	75-09-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-34-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-015** Date Collected: 03.19.13 16.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 15.45

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Styrene	100-42-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Tetrachloroethene	127-18-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Toluene	108-88-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Trichloroethene	79-01-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Vinyl chloride	75-01-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	95	%	50-150	03.25.13 13.42	
4-Bromofluorobenzene	460-00-4	104	%	57-158	03.25.13 13.42	
Toluene-D8	2037-26-5	103	%	50-150	03.25.13 13.42	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-35-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-017** Date Collected: 03.19.13 16.29

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**19.0**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-35-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-017** Date Collected: 03.19.13 16.29

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 18.96

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,4-Dioxane	123-91-1	BRL	0.104	mg/kg	03.25.13 10.58	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0519	mg/kg	03.25.13 10.58	U	1
2-Hexanone	591-78-6	BRL	0.0104	mg/kg	03.25.13 10.58	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.0104	mg/kg	03.25.13 10.58	U	1
Acetone	67-64-1	**0.0105**	0.0104	mg/kg	03.25.13 10.58		1
Benzene	71-43-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Bromodichloromethane	75-27-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Bromoform	75-25-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Bromomethane	74-83-9	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Carbon disulfide	75-15-0	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Carbon tetrachloride	56-23-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Chlorobenzene	108-90-7	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Chloroethane	75-00-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Chloroform	67-66-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Chloromethane	74-87-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Cyclohexane	110-82-7	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Dibromochloromethane	124-48-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Ethylbenzene	100-41-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Isopropylbenzene	98-82-8	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
m,p-Xylenes	179601-23-1	BRL	0.0104	mg/kg	03.25.13 10.58	U	1
Methyl acetate	79-20-9	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.0104	mg/kg	03.25.13 10.58	U	1
Methylcyclohexane	108-87-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Methylene chloride	75-09-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-35-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-017** Date Collected: 03.19.13 16.29

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 18.96

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Styrene	100-42-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Tetrachloroethene	127-18-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Toluene	108-88-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Trichloroethene	79-01-6	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Vinyl chloride	75-01-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	105	%	50-150	03.25.13 10.58	
4-Bromofluorobenzene	460-00-4	96	%	57-158	03.25.13 10.58	
Toluene-D8	2037-26-5	93	%	50-150	03.25.13 10.58	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-36-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-019** Date Collected: 03.19.13 17.04

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**15.9**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-36-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-019** Date Collected: 03.19.13 17.04

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 15.91

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,4-Dioxane	123-91-1	BRL	0.113	mg/kg	03.25.13 11.56	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0566	mg/kg	03.25.13 11.56	U	1
2-Hexanone	591-78-6	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
Acetone	67-64-1	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
Benzene	71-43-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Bromodichloromethane	75-27-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Bromoform	75-25-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Bromomethane	74-83-9	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Carbon disulfide	75-15-0	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Carbon tetrachloride	56-23-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Chlorobenzene	108-90-7	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Chloroethane	75-00-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Chloroform	67-66-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Chloromethane	74-87-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Cyclohexane	110-82-7	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Dibromochloromethane	124-48-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Ethylbenzene	100-41-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Isopropylbenzene	98-82-8	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
m,p-Xylenes	179601-23-1	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
Methyl acetate	79-20-9	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
Methylcyclohexane	108-87-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Methylene chloride	75-09-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-36-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-019** Date Collected: 03.19.13 17.04

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 15.91

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Styrene	100-42-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Tetrachloroethene	127-18-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Toluene	108-88-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Trichloroethene	79-01-6	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Vinyl chloride	75-01-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	100	%	50-150	03.25.13 11.56	
4-Bromofluorobenzene	460-00-4	106	%	57-158	03.25.13 11.56	
Toluene-D8	2037-26-5	98	%	50-150	03.25.13 11.56	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-37-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-021** Date Collected: 03.19.13 17.15

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 13.61

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**10.7**	4.95	mg/kg	03.28.13 15.00		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**13.6**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-38-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-023** Date Collected: 03.19.13 17.45

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 9.59

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**7.90**	5.48	mg/kg	03.28.13 15.02		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**9.59**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **DUP-1** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-025** Date Collected: 03.19.13 17.45

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 7.24

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**8.30**	4.65	mg/kg	03.28.13 15.04		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909919

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**7.24**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **DUP-2** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**18.8**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **DUP-2** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 18.81

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,4-Dioxane	123-91-1	BRL	0.112	mg/kg	03.25.13 12.47	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0558	mg/kg	03.25.13 12.47	U	1
2-Hexanone	591-78-6	BRL	0.0112	mg/kg	03.25.13 12.47	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.0112	mg/kg	03.25.13 12.47	U	1
Acetone	67-64-1	**0.0118**	0.0112	mg/kg	03.25.13 12.47		1
Benzene	71-43-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Bromodichloromethane	75-27-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Bromoform	75-25-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Bromomethane	74-83-9	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Carbon disulfide	75-15-0	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Carbon tetrachloride	56-23-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Chlorobenzene	108-90-7	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Chloroethane	75-00-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Chloroform	67-66-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Chloromethane	74-87-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Cyclohexane	110-82-7	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Dibromochloromethane	124-48-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Ethylbenzene	100-41-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Isopropylbenzene	98-82-8	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
m,p-Xylenes	179601-23-1	BRL	0.0112	mg/kg	03.25.13 12.47	U	1
Methyl acetate	79-20-9	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.0112	mg/kg	03.25.13 12.47	U	1
Methylcyclohexane	108-87-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Methylene chloride	75-09-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **DUP-2** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 18.81

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Styrene	100-42-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Tetrachloroethene	127-18-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Toluene	108-88-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Trichloroethene	79-01-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Vinyl chloride	75-01-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	103	%	50-150	03.25.13 12.47	
4-Bromofluorobenzene	460-00-4	97	%	57-158	03.25.13 12.47	
Toluene-D8	2037-26-5	97	%	50-150	03.25.13 12.47	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GW-9** Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-027** Date Collected: 03.20.13 10.50

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,1-Dichloroethane	75-34-3	**6.14**	1.00	ug/L	03.26.13 13.25		1
1,1-Dichloroethene	75-35-4	**15.0**	1.00	ug/L	03.26.13 13.25		1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	03.26.13 13.25	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	03.26.13 13.25	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	03.26.13 13.25	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	03.26.13 13.25	U	1
Acetone	67-64-1	BRL	2.00	ug/L	03.26.13 13.25	U	1
Benzene	71-43-2	**1.22**	1.00	ug/L	03.26.13 13.25		1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	03.26.13 13.25	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	03.26.13 13.25	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	03.26.13 13.25	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	03.26.13 13.25	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	03.26.13 13.25	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	03.26.13 13.25	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	03.26.13 13.25	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	03.26.13 13.25	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	03.26.13 13.25	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	03.26.13 13.25	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	03.26.13 13.25	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	03.26.13 13.25	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	03.26.13 13.25	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	03.26.13 13.25	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	03.26.13 13.25	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	03.26.13 13.25	U	1
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	03.26.13 13.25	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	03.26.13 13.25	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GW-9** Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-027** Date Collected: 03.20.13 10.50

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	1.00	ug/L	03.26.13 13.25	U	1
Styrene	100-42-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
Tetrachloroethene	127-18-4	**5.51**	1.00	ug/L	03.26.13 13.25		1
Toluene	108-88-3	BRL	1.00	ug/L	03.26.13 13.25	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	03.26.13 13.25	U	1
Trichloroethene	79-01-6	**1.65**	1.00	ug/L	03.26.13 13.25		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	03.26.13 13.25	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	03.26.13 13.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	03.26.13 13.25	
4-Bromofluorobenzene	460-00-4	106	%	30-186	03.26.13 13.25	
Toluene-D8	2037-26-5	101	%	70-130	03.26.13 13.25	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-3** Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-028** Date Collected: 03.20.13 12.06

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	03.26.13 13.52	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	03.26.13 13.52	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	03.26.13 13.52	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	03.26.13 13.52	U	1
Acetone	67-64-1	BRL	2.00	ug/L	03.26.13 13.52	U	1
Benzene	71-43-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	03.26.13 13.52	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	03.26.13 13.52	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	03.26.13 13.52	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	03.26.13 13.52	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	03.26.13 13.52	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	03.26.13 13.52	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	03.26.13 13.52	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	03.26.13 13.52	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	03.26.13 13.52	U	1
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	03.26.13 13.52	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-3** Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-028** Date Collected: 03.20.13 12.06

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	1.00	ug/L	03.26.13 13.52	U	1
Styrene	100-42-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
Toluene	108-88-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	03.26.13 13.52	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	03.26.13 13.52	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	03.26.13 13.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	106	%	53-159	03.26.13 13.52	
4-Bromofluorobenzene	460-00-4	103	%	30-186	03.26.13 13.52	
Toluene-D8	2037-26-5	92	%	70-130	03.26.13 13.52	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **Trip Blank** Matrix: Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-029** Date Collected: 03.20.13 00.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	03.26.13 12.31	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	03.26.13 12.31	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	03.26.13 12.31	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	03.26.13 12.31	U	1
Acetone	67-64-1	BRL	2.00	ug/L	03.26.13 12.31	U	1
Benzene	71-43-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	03.26.13 12.31	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	03.26.13 12.31	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	03.26.13 12.31	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	03.26.13 12.31	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	03.26.13 12.31	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	03.26.13 12.31	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	03.26.13 12.31	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	03.26.13 12.31	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	03.26.13 12.31	U	1
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	03.26.13 12.31	U	1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **Trip Blank** Matrix: Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-029** Date Collected: 03.20.13 00.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	1.00	ug/L	03.26.13 12.31	U	1
Styrene	100-42-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
Toluene	108-88-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	03.26.13 12.31	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	03.26.13 12.31	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	03.26.13 12.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	101	%	53-159	03.26.13 12.31	
4-Bromofluorobenzene	460-00-4	102	%	30-186	03.26.13 12.31	
Toluene-D8	2037-26-5	98	%	70-130	03.26.13 12.31	

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-32-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-030** Date Collected: 03.19.13 14.31

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 9.75

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**8.00**	5.33	mg/kg	03.28.13 15.05		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**9.75**	0.100	%	03.26.13 13.00		1

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B
Seq Number: 910078 Matrix: Solid Date Prep: 03/25/2013
MB Sample Id: 635552-1-BLK LCS Sample Id: 635552-1-BKS LCSD Sample Id: 635552-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Lead	<0.279	100	105	105	103	103	80-120	2	20	mg/kg	03/28/13 14:19	

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B
Seq Number: 910078 Matrix: Sludge Date Prep: 03/25/2013
Parent Sample Id: 459672-001 MD Sample Id: 459672-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Lead	52.4	49.5	6	20	mg/kg	03/28/13 14:24	

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B
Seq Number: 910078 Matrix: Sludge Date Prep: 03/25/2013
Parent Sample Id: 459672-001 MS Sample Id: 459672-001 S MSD Sample Id: 459672-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Lead	52.4	660	754	106	764	101	80-120	1	20	mg/kg	03/28/13 14:26	

Analytical Method: **Percent Moisture**
Seq Number: 909917 Matrix: Soil
Parent Sample Id: 459732-001 MD Sample Id: 459732-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	17.1	18.1	6	20	%	03/26/13 13:00	

Analytical Method: **Percent Moisture**
Seq Number: 909917 Matrix: Soil
Parent Sample Id: 459815-001 MD Sample Id: 459815-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	13.1	11.4	14	20	%	03/26/13 13:00	

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Analytical Method: **Percent Moisture**

Seq Number: 909919 Matrix: Soil

Parent Sample Id: 459815-025 MD Sample Id: 459815-025 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	7.24	9.16	23	20	%	03/26/13 13:00	F

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139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 909969 Matrix: Water Date Prep: 03/26/2013

MB Sample Id: 635730-1-BLK LCS Sample Id: 635730-1-BKS LCSD Sample Id: 635730-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	45.4	91	43.5	87	65-130	4	20	ug/L	03/26/13 09:47	
1,1,2,2-Tetrachloroethane	<0.180	50.0	50.3	101	49.6	99	65-130	1	20	ug/L	03/26/13 09:47	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	41.7	83	44.1	88	65-130	6	20	ug/L	03/26/13 09:47	
1,1,2-Trichloroethane	<0.250	50.0	49.1	98	47.2	94	75-125	4	20	ug/L	03/26/13 09:47	
1,1-Dichloroethane	<0.110	50.0	44.8	90	44.9	90	70-135	0	20	ug/L	03/26/13 09:47	
1,1-Dichloroethene	<0.200	50.0	43.1	86	40.8	82	70-130	5	20	ug/L	03/26/13 09:47	
1,2,4-Trichlorobenzene	<0.170	50.0	47.0	94	48.2	96	65-135	3	20	ug/L	03/26/13 09:47	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	49.0	98	53.1	106	50-130	8	20	ug/L	03/26/13 09:47	
1,2-Dibromoethane (EDB)	<0.180	50.0	48.8	98	51.5	103	80-120	5	20	ug/L	03/26/13 09:47	
1,2-Dichlorobenzene	<0.140	50.0	46.1	92	48.2	96	70-120	4	20	ug/L	03/26/13 09:47	
1,2-Dichloroethane	<0.180	50.0	45.8	92	44.5	89	70-130	3	20	ug/L	03/26/13 09:47	
1,2-Dichloropropane	<0.150	50.0	46.0	92	47.8	96	75-125	4	20	ug/L	03/26/13 09:47	
1,3-Dichlorobenzene	<0.170	50.0	48.0	96	48.8	98	75-125	2	20	ug/L	03/26/13 09:47	
1,4-Dichlorobenzene	<0.170	50.0	45.4	91	47.3	95	75-125	4	20	ug/L	03/26/13 09:47	
1,4-Dioxane	<8.84	1000	970	97	966	97	30-145	0	20	ug/L	03/26/13 09:47	
2-Butanone (MEK)	<0.280	100	95.8	96	103	103	30-150	7	20	ug/L	03/26/13 09:47	
2-Hexanone	<0.320	100	112	112	110	110	55-130	2	20	ug/L	03/26/13 09:47	
4-Methyl-2-pentanone (MIBK)	<0.260	100	99.7	100	99.4	99	60-135	0	20	ug/L	03/26/13 09:47	
Acetone	<0.350	100	107	107	108	108	40-140	1	20	ug/L	03/26/13 09:47	
Benzene	<0.160	50.0	46.0	92	46.0	92	80-120	0	20	ug/L	03/26/13 09:47	
Bromodichloromethane	<0.250	50.0	50.5	101	50.1	100	75-120	1	20	ug/L	03/26/13 09:47	
Bromoform	<0.170	50.0	45.2	90	44.2	88	70-130	2	20	ug/L	03/26/13 09:47	
Bromomethane	<0.250	50.0	46.8	94	46.8	94	30-145	0	20	ug/L	03/26/13 09:47	
Carbon disulfide	<0.260	50.0	40.6	81	41.7	83	35-160	3	20	ug/L	03/26/13 09:47	
Carbon tetrachloride	<0.330	50.0	48.5	97	48.2	96	65-140	1	20	ug/L	03/26/13 09:47	
Chlorobenzene	<0.150	50.0	45.8	92	47.2	94	80-120	3	20	ug/L	03/26/13 09:47	
Chloroethane	<0.260	50.0	47.2	94	48.7	97	60-135	3	20	ug/L	03/26/13 09:47	
Chloroform	<0.160	50.0	44.9	90	45.1	90	65-135	0	20	ug/L	03/26/13 09:47	
Chloromethane	<0.250	50.0	45.9	92	49.1	98	40-125	7	20	ug/L	03/26/13 09:47	
cis-1,2-Dichloroethene	<0.210	50.0	44.2	88	42.9	86	70-125	3	20	ug/L	03/26/13 09:47	
cis-1,3-Dichloropropene	<0.100	50.0	52.2	104	51.5	103	70-130	1	20	ug/L	03/26/13 09:47	
Cyclohexane	<0.150	50.0	46.2	92	48.1	96	65-135	4	20	ug/L	03/26/13 09:47	
Dibromochloromethane	<0.150	50.0	46.4	93	44.7	89	60-135	4	20	ug/L	03/26/13 09:47	
Dichlorodifluoromethane	<0.220	50.0	44.0	88	42.9	86	30-155	3	20	ug/L	03/26/13 09:47	
Ethylbenzene	<0.190	50.0	48.9	98	48.2	96	75-125	1	20	ug/L	03/26/13 09:47	
Isopropylbenzene	<0.150	50.0	49.7	99	47.6	95	75-125	4	20	ug/L	03/26/13 09:47	
m,p-Xylenes	<0.510	100	95.4	95	94.2	94	75-130	1	20	ug/L	03/26/13 09:47	
Methyl acetate	<0.260	50.0	46.0	92	46.1	92	65-135	0	20	ug/L	03/26/13 09:47	
Methyl tert-butyl ether	<0.180	100	90.2	90	88.6	89	65-125	2	20	ug/L	03/26/13 09:47	
Methylcyclohexane	<0.110	50.0	48.4	97	48.4	97	65-135	0	20	ug/L	03/26/13 09:47	
Methylene chloride	<0.420	50.0	44.9	90	43.6	87	55-140	3	20	ug/L	03/26/13 09:47	
o-Xylene	<0.200	50.0	45.9	92	47.3	95	80-120	3	20	ug/L	03/26/13 09:47	
Styrene	<0.180	50.0	51.2	102	50.1	100	65-135	2	20	ug/L	03/26/13 09:47	
Tetrachloroethene	<0.160	50.0	45.7	91	46.8	94	45-150	2	20	ug/L	03/26/13 09:47	
Toluene	<0.140	50.0	48.0	96	47.4	95	75-120	1	20	ug/L	03/26/13 09:47	
trans-1,2-Dichloroethene	<0.210	50.0	42.0	84	43.3	87	60-140	3	20	ug/L	03/26/13 09:47	
trans-1,3-Dichloropropene	<0.110	50.0	52.1	104	50.9	102	55-140	2	20	ug/L	03/26/13 09:47	
Trichloroethene	<0.190	50.0	45.9	92	45.8	92	70-125	0	20	ug/L	03/26/13 09:47	
Trichlorofluoromethane	<0.530	50.0	51.3	103	49.9	100	60-145	3	20	ug/L	03/26/13 09:47	

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 909969 Matrix: Water Date Prep: 03/26/2013

MB Sample Id: 635730-1-BLK LCS Sample Id: 635730-1-BKS LCSD Sample Id: 635730-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Vinyl chloride	<0.190	50.0	45.6	91	47.2	94	50-145	3	20	ug/L	03/26/13 09:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	103		90		91		53-159	%	03/26/13 09:47
4-Bromofluorobenzene	105		100		101		30-186	%	03/26/13 09:47
Toluene-D8	95		100		103		70-130	%	03/26/13 09:47

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 909969 Matrix: Ground Water Date Prep: 03/26/2013

Parent Sample Id: 459741-002 MS Sample Id: 459741-002 S MSD Sample Id: 459741-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	42.6	85	42.0	84	59-138	1	20	ug/L	03/26/13 19:46	
1,1,2,2-Tetrachloroethane	<0.180	50.0	49.2	98	46.9	94	63-126	5	20	ug/L	03/26/13 19:46	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	38.9	78	40.4	81	53-138	4	20	ug/L	03/26/13 19:46	
1,1,2-Trichloroethane	<0.250	50.0	46.3	93	46.8	94	72-115	1	20	ug/L	03/26/13 19:46	
1,1-Dichloroethane	<0.110	50.0	45.1	90	41.1	82	69-132	9	20	ug/L	03/26/13 19:46	
1,1-Dichloroethene	<0.200	50.0	37.4	75	39.1	78	62-131	4	20	ug/L	03/26/13 19:46	
1,2,4-Trichlorobenzene	<0.170	50.0	42.1	84	42.9	86	34-131	2	20	ug/L	03/26/13 19:46	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	44.2	88	45.4	91	53-121	3	20	ug/L	03/26/13 19:46	
1,2-Dibromoethane (EDB)	<0.180	50.0	48.5	97	47.1	94	66-125	3	20	ug/L	03/26/13 19:46	
1,2-Dichlorobenzene	<0.140	50.0	45.0	90	43.8	88	58-124	3	20	ug/L	03/26/13 19:46	
1,2-Dichloroethane	<0.180	50.0	44.0	88	42.7	85	55-141	3	20	ug/L	03/26/13 19:46	
1,2-Dichloropropane	<0.150	50.0	45.5	91	45.2	90	78-121	1	20	ug/L	03/26/13 19:46	
1,3-Dichlorobenzene	<0.170	50.0	46.4	93	44.1	88	62-120	5	20	ug/L	03/26/13 19:46	
1,4-Dichlorobenzene	<0.170	50.0	44.3	89	43.0	86	64-114	3	20	ug/L	03/26/13 19:46	
1,4-Dioxane	<8.84	1000	823	82	853	85	11-185	4	20	ug/L	03/26/13 19:46	
2-Butanone (MEK)	<0.280	100	95.4	95	101	101	50-152	6	20	ug/L	03/26/13 19:46	
2-Hexanone	<0.320	100	98.2	98	99.9	100	55-136	2	20	ug/L	03/26/13 19:46	
4-Methyl-2-pentanone (MIBK)	<0.260	100	91.5	92	90.6	91	65-132	1	20	ug/L	03/26/13 19:46	
Acetone	<0.350	100	99.1	99	98.5	99	40-140	1	20	ug/L	03/26/13 19:46	
Benzene	<0.160	50.0	44.3	89	44.3	89	77-118	0	20	ug/L	03/26/13 19:46	
Bromodichloromethane	<0.250	50.0	46.8	94	45.9	92	68-125	2	20	ug/L	03/26/13 19:46	
Bromoform	<0.170	50.0	41.7	83	38.3	77	53-112	9	20	ug/L	03/26/13 19:46	
Bromomethane	<0.250	50.0	40.5	81	40.6	81	63-137	0	20	ug/L	03/26/13 19:46	
Carbon disulfide	<0.260	50.0	38.0	76	37.0	74	26-147	3	20	ug/L	03/26/13 19:46	
Carbon tetrachloride	<0.330	50.0	41.0	82	39.2	78	56-138	4	20	ug/L	03/26/13 19:46	
Chlorobenzene	<0.150	50.0	44.8	90	44.2	88	71-114	1	20	ug/L	03/26/13 19:46	
Chloroethane	<0.260	50.0	41.3	83	42.9	86	60-137	4	20	ug/L	03/26/13 19:46	
Chloroform	<0.160	50.0	43.5	87	43.1	86	65-131	1	20	ug/L	03/26/13 19:46	
Chloromethane	<0.250	50.0	38.8	78	37.9	76	48-151	2	20	ug/L	03/26/13 19:46	
cis-1,2-Dichloroethene	<0.210	50.0	43.0	86	41.2	82	22-185	4	20	ug/L	03/26/13 19:46	
cis-1,3-Dichloropropene	<0.100	50.0	45.1	90	43.8	88	67-113	3	20	ug/L	03/26/13 19:46	
Cyclohexane	<0.150	50.0	41.6	83	43.1	86	61-141	4	20	ug/L	03/26/13 19:46	
Dibromochloromethane	<0.150	50.0	41.9	84	42.9	86	53-125	2	20	ug/L	03/26/13 19:46	
Dichlorodifluoromethane	<0.220	50.0	36.4	73	36.3	73	38-145	0	20	ug/L	03/26/13 19:46	
Ethylbenzene	<0.190	50.0	45.8	92	45.5	91	66-127	1	20	ug/L	03/26/13 19:46	
Isopropylbenzene	<0.150	50.0	48.0	96	46.0	92	58-127	4	20	ug/L	03/26/13 19:46	
m,p-Xylenes	<0.510	100	90.6	91	88.5	89	65-126	2	20	ug/L	03/26/13 19:46	
Methyl acetate	<0.260	50.0	41.8	84	42.2	84	65-135	1	20	ug/L	03/26/13 19:46	
Methyl tert-butyl ether	<0.180	100	86.0	86	87.0	87	58-141	1	20	ug/L	03/26/13 19:46	
Methylcyclohexane	<0.110	50.0	43.6	87	42.8	86	64-128	2	20	ug/L	03/26/13 19:46	
Methylene chloride	<0.420	50.0	41.2	82	42.6	85	63-150	3	20	ug/L	03/26/13 19:46	
o-Xylene	<0.200	50.0	45.5	91	43.7	87	64-123	4	20	ug/L	03/26/13 19:46	
Styrene	<0.180	50.0	47.4	95	46.8	94	50-133	1	20	ug/L	03/26/13 19:46	
Tetrachloroethene	<0.160	50.0	44.6	89	43.9	88	52-125	2	20	ug/L	03/26/13 19:46	
Toluene	<0.140	50.0	45.3	91	45.2	90	65-123	0	20	ug/L	03/26/13 19:46	
trans-1,2-Dichloroethene	<0.210	50.0	44.3	89	40.9	82	65-135	8	20	ug/L	03/26/13 19:46	
trans-1,3-Dichloropropene	<0.110	50.0	45.1	90	44.6	89	50-125	1	20	ug/L	03/26/13 19:46	
Trichloroethene	<0.190	50.0	43.8	88	42.9	86	65-125	2	20	ug/L	03/26/13 19:46	
Trichlorofluoromethane	<0.530	50.0	45.2	90	43.8	88	51-145	3	20	ug/L	03/26/13 19:46	

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 909969 Matrix: Ground Water Date Prep: 03/26/2013

Parent Sample Id: 459741-002 MS Sample Id: 459741-002 S MSD Sample Id: 459741-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Vinyl chloride	<0.190	50.0	35.0	70	37.2	74	52-140	6	20	ug/L	03/26/13 19:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	90		89		53-159	%	03/26/13 19:46
4-Bromofluorobenzene	102		100		30-186	%	03/26/13 19:46
Toluene-D8	96		101		70-130	%	03/26/13 19:46

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 909932 Matrix: Solid Date Prep: 03/25/2013

MB Sample Id: 635682-1-BLK LCS Sample Id: 635682-1-BKS LCSD Sample Id: 635682-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.753	50.0	56.0	112	54.2	108	75-145	3	20	ug/kg	03/25/13 06:51	
1,1,2,2-Tetrachloroethane	<1.19	50.0	51.1	102	51.2	102	78-120	0	20	ug/kg	03/25/13 06:51	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.11	50.0	63.2	126	54.0	108	54-173	16	20	ug/kg	03/25/13 06:51	
1,1,2-Trichloroethane	<0.670	50.0	52.3	105	51.5	103	81-115	2	20	ug/kg	03/25/13 06:51	
1,1-Dichloroethane	<0.802	50.0	52.9	106	52.1	104	73-131	2	20	ug/kg	03/25/13 06:51	
1,1-Dichloroethene	<1.16	50.0	56.4	113	54.1	108	67-144	4	20	ug/kg	03/25/13 06:51	
1,2,4-Trichlorobenzene	<0.873	50.0	63.3	127	53.1	106	61-170	18	20	ug/kg	03/25/13 06:51	
1,2-Dibromo-3-chloropropane (DBCP)	<1.62	50.0	59.3	119	55.2	110	62-146	7	20	ug/kg	03/25/13 06:51	
1,2-Dibromoethane (EDB)	<0.863	50.0	53.2	106	53.7	107	81-121	1	20	ug/kg	03/25/13 06:51	
1,2-Dichlorobenzene	<1.29	50.0	54.1	108	49.8	100	70-146	8	20	ug/kg	03/25/13 06:51	
1,2-Dichloroethane	<0.597	50.0	53.5	107	55.2	110	63-150	3	20	ug/kg	03/25/13 06:51	
1,2-Dichloropropane	<0.929	50.0	52.9	106	53.5	107	76-121	1	20	ug/kg	03/25/13 06:51	
1,3-Dichlorobenzene	<0.997	50.0	54.5	109	51.1	102	73-145	6	20	ug/kg	03/25/13 06:51	
1,4-Dichlorobenzene	<0.684	50.0	55.0	110	49.9	100	74-143	10	20	ug/kg	03/25/13 06:51	
1,4-Dioxane	<97.7	1000	964	96	852	85	33-138	12	20	ug/kg	03/25/13 06:51	
2-Butanone (MEK)	<9.11	100	109	109	111	111	44-158	2	20	ug/kg	03/25/13 06:51	
2-Hexanone	<1.13	100	113	113	111	111	59-154	2	20	ug/kg	03/25/13 06:51	
4-Methyl-2-pentanone (MIBK)	<3.23	100	108	108	114	114	65-132	5	20	ug/kg	03/25/13 06:51	
Acetone	<6.88	100	108	108	115	115	43-163	6	20	ug/kg	03/25/13 06:51	
Benzene	<0.513	50.0	53.8	108	53.0	106	82-121	1	20	ug/kg	03/25/13 06:51	
Bromodichloromethane	<0.501	50.0	54.2	108	55.1	110	80-135	2	20	ug/kg	03/25/13 06:51	
Bromoform	<0.959	50.0	55.6	111	58.2	116	71-135	5	20	ug/kg	03/25/13 06:51	
Bromomethane	<2.46	50.0	50.0	100	47.5	95	51-149	5	20	ug/kg	03/25/13 06:51	
Carbon disulfide	<1.46	50.0	54.7	109	50.6	101	57-151	8	20	ug/kg	03/25/13 06:51	
Carbon tetrachloride	<0.742	50.0	57.8	116	56.0	112	70-156	3	20	ug/kg	03/25/13 06:51	
Chlorobenzene	<0.579	50.0	54.4	109	50.6	101	76-131	7	20	ug/kg	03/25/13 06:51	
Chloroethane	<2.45	50.0	60.2	120	58.4	117	64-131	3	20	ug/kg	03/25/13 06:51	
Chloroform	<0.741	50.0	53.3	107	52.8	106	78-125	1	20	ug/kg	03/25/13 06:51	
Chloromethane	<2.30	50.0	41.9	84	40.5	81	59-127	3	20	ug/kg	03/25/13 06:51	
cis-1,2-Dichloroethene	<0.662	50.0	55.2	110	53.3	107	80-123	4	20	ug/kg	03/25/13 06:51	
cis-1,3-Dichloropropene	<0.539	50.0	56.1	112	56.2	112	87-123	0	20	ug/kg	03/25/13 06:51	
Cyclohexane	<0.945	50.0	52.6	105	46.7	93	58-164	12	20	ug/kg	03/25/13 06:51	
Dibromochloromethane	<0.994	50.0	54.6	109	53.7	107	81-136	2	20	ug/kg	03/25/13 06:51	
Dichlorodifluoromethane	<1.18	50.0	43.8	88	37.8	76	33-161	15	20	ug/kg	03/25/13 06:51	
Ethylbenzene	<0.565	50.0	55.9	112	51.4	103	84-129	8	20	ug/kg	03/25/13 06:51	
Isopropylbenzene	<0.759	50.0	55.5	111	52.6	105	65-153	5	20	ug/kg	03/25/13 06:51	
m,p-Xylenes	<1.21	100	111	111	103	103	75-141	7	20	ug/kg	03/25/13 06:51	
Methyl acetate	<0.946	50.0	42.4	85	54.3	109	45-155	25	20	ug/kg	03/25/13 06:51	F
Methyl tert-butyl ether	<0.693	100	103	103	105	105	70-131	2	20	ug/kg	03/25/13 06:51	
Methylcyclohexane	<1.09	50.0	61.1	122	56.2	112	39-185	8	20	ug/kg	03/25/13 06:51	
Methylene chloride	<2.17	50.0	56.6	113	56.7	113	65-137	0	20	ug/kg	03/25/13 06:51	
o-Xylene	<0.716	50.0	55.1	110	50.6	101	73-141	9	20	ug/kg	03/25/13 06:51	
Styrene	<0.742	50.0	55.3	111	52.3	105	82-129	6	20	ug/kg	03/25/13 06:51	
Tetrachloroethene	<1.04	50.0	58.8	118	52.8	106	78-144	11	20	ug/kg	03/25/13 06:51	
Toluene	<0.588	50.0	54.3	109	50.9	102	86-121	6	20	ug/kg	03/25/13 06:51	
trans-1,2-Dichloroethene	<0.780	50.0	56.8	114	53.6	107	72-132	6	20	ug/kg	03/25/13 06:51	
trans-1,3-Dichloropropene	<0.670	50.0	54.0	108	52.7	105	82-132	2	20	ug/kg	03/25/13 06:51	
Trichloroethene	<0.707	50.0	57.3	115	54.2	108	80-126	6	20	ug/kg	03/25/13 06:51	
Trichlorofluoromethane	<3.51	50.0	60.4	121	53.6	107	55-155	12	20	ug/kg	03/25/13 06:51	

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 909932 Matrix: Solid Date Prep: 03/25/2013

MB Sample Id: 635682-1-BLK LCS Sample Id: 635682-1-BKS LCSD Sample Id: 635682-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Vinyl chloride	<2.01	50.0	53.2	106	47.1	94	70-130	12	20	ug/kg	03/25/13 06:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	101		96		100		50-150	%	03/25/13 06:51
4-Bromofluorobenzene	101		97		103		57-158	%	03/25/13 06:51
Toluene-D8	97		98		97		50-150	%	03/25/13 06:51

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 909932 Matrix: Soil Date Prep: 03/25/2013

Parent Sample Id: 459815-019 MS Sample Id: 459815-019 S MSD Sample Id: 459815-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.000890	0.0591	0.0642	109	0.0685	117	62-137	6	20	mg/kg	03/25/13 16:27	
1,1,2,2-Tetrachloroethane	<0.00140	0.0591	0.0589	100	0.0531	91	64-128	10	20	mg/kg	03/25/13 16:27	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.00131	0.0591	0.0611	103	0.0699	120	33-177	13	20	mg/kg	03/25/13 16:27	
1,1,2-Trichloroethane	<0.000792	0.0591	0.0583	99	0.0545	93	61-130	7	20	mg/kg	03/25/13 16:27	
1,1-Dichloroethane	<0.000948	0.0591	0.0609	103	0.0633	109	65-136	4	20	mg/kg	03/25/13 16:27	
1,1-Dichloroethene	<0.00137	0.0591	0.0688	116	0.0711	122	33-158	3	20	mg/kg	03/25/13 16:27	
1,2,4-Trichlorobenzene	<0.00103	0.0591	0.0603	102	0.0575	99	43-139	5	20	mg/kg	03/25/13 16:27	
1,2-Dibromo-3-chloropropane (DBCP)	<0.00191	0.0591	0.0611	103	0.0562	96	51-130	8	20	mg/kg	03/25/13 16:27	
1,2-Dibromoethane (EDB)	<0.00102	0.0591	0.0587	99	0.0546	94	69-132	7	20	mg/kg	03/25/13 16:27	
1,2-Dichlorobenzene	<0.00152	0.0591	0.0584	99	0.0570	98	71-120	2	20	mg/kg	03/25/13 16:27	
1,2-Dichloroethane	<0.000706	0.0591	0.0588	99	0.0575	99	53-140	2	20	mg/kg	03/25/13 16:27	
1,2-Dichloropropane	<0.00110	0.0591	0.0587	99	0.0589	101	68-126	0	20	mg/kg	03/25/13 16:27	
1,3-Dichlorobenzene	<0.00118	0.0591	0.0618	105	0.0602	103	68-127	3	20	mg/kg	03/25/13 16:27	
1,4-Dichlorobenzene	<0.000809	0.0591	0.0611	103	0.0594	102	72-118	3	20	mg/kg	03/25/13 16:27	
1,4-Dioxane	<0.116	1.18	0.895	76	0.955	82	22-162	6	20	mg/kg	03/25/13 16:27	
2-Butanone (MEK)	<0.0108	0.118	0.117	99	0.110	94	42-147	6	20	mg/kg	03/25/13 16:27	
2-Hexanone	<0.00133	0.118	0.118	100	0.110	94	32-142	7	20	mg/kg	03/25/13 16:27	
4-Methyl-2-pentanone (MIBK)	<0.00382	0.118	0.120	102	0.117	100	34-149	3	20	mg/kg	03/25/13 16:27	
Acetone	<0.00813	0.118	0.102	86	0.102	87	43-163	0	20	mg/kg	03/25/13 16:27	
Benzene	<0.000606	0.0591	0.0608	103	0.0627	108	65-135	3	20	mg/kg	03/25/13 16:27	
Bromodichloromethane	<0.000592	0.0591	0.0601	102	0.0601	103	60-129	0	20	mg/kg	03/25/13 16:27	
Bromoform	<0.00113	0.0591	0.0643	109	0.0591	101	48-147	8	20	mg/kg	03/25/13 16:27	
Bromomethane	<0.00290	0.0591	0.0576	97	0.0591	101	42-170	3	20	mg/kg	03/25/13 16:27	
Carbon disulfide	<0.00172	0.0591	0.0631	107	0.0646	111	40-147	2	20	mg/kg	03/25/13 16:27	
Carbon tetrachloride	<0.000877	0.0591	0.0648	110	0.0700	120	54-148	8	20	mg/kg	03/25/13 16:27	
Chlorobenzene	<0.000684	0.0591	0.0602	102	0.0599	103	71-117	0	20	mg/kg	03/25/13 16:27	
Chloroethane	<0.00289	0.0591	0.0626	106	0.0594	102	44-166	5	20	mg/kg	03/25/13 16:27	
Chloroform	<0.000876	0.0591	0.0604	102	0.0623	107	62-127	3	20	mg/kg	03/25/13 16:27	
Chloromethane	<0.00272	0.0591	0.0493	83	0.0478	82	34-157	3	20	mg/kg	03/25/13 16:27	
cis-1,2-Dichloroethene	<0.000783	0.0591	0.0616	104	0.0637	109	41-155	3	20	mg/kg	03/25/13 16:27	
cis-1,3-Dichloropropene	<0.000637	0.0591	0.0614	104	0.0600	103	63-128	2	20	mg/kg	03/25/13 16:27	
Cyclohexane	<0.00112	0.0591	0.0688	116	0.0723	124	53-145	5	20	mg/kg	03/25/13 16:27	
Dibromochloromethane	<0.00118	0.0591	0.0597	101	0.0570	98	59-135	5	20	mg/kg	03/25/13 16:27	
Dichlorodifluoromethane	<0.00139	0.0591	0.0439	74	0.0442	76	16-171	1	20	mg/kg	03/25/13 16:27	
Ethylbenzene	<0.000668	0.0591	0.0625	106	0.0634	109	65-139	1	20	mg/kg	03/25/13 16:27	
Isopropylbenzene	<0.000897	0.0591	0.0661	112	0.0659	113	62-133	0	20	mg/kg	03/25/13 16:27	
m,p-Xylenes	<0.00143	0.118	0.126	107	0.127	109	69-130	1	20	mg/kg	03/25/13 16:27	
Methyl acetate	<0.00112	0.0591	0.0551	93	0.0684	117	20-170	22	20	mg/kg	03/25/13 16:27	F
Methyl tert-butyl ether	<0.000819	0.118	0.111	94	0.110	94	48-169	1	20	mg/kg	03/25/13 16:27	
Methylcyclohexane	<0.00129	0.0591	0.0670	113	0.0709	122	57-149	6	20	mg/kg	03/25/13 16:27	
Methylene chloride	<0.00256	0.0591	0.0621	105	0.0656	113	17-184	5	20	mg/kg	03/25/13 16:27	
o-Xylene	<0.000846	0.0591	0.0615	104	0.0620	106	71-124	1	20	mg/kg	03/25/13 16:27	
Styrene	<0.000877	0.0591	0.0613	104	0.0605	104	50-143	1	20	mg/kg	03/25/13 16:27	
Tetrachloroethene	<0.00122	0.0591	0.0657	111	0.0676	116	42-156	3	20	mg/kg	03/25/13 16:27	
Toluene	<0.000695	0.0591	0.0612	104	0.0619	106	65-128	1	20	mg/kg	03/25/13 16:27	
trans-1,2-Dichloroethene	<0.000922	0.0591	0.0653	110	0.0683	117	57-143	4	20	mg/kg	03/25/13 16:27	
trans-1,3-Dichloropropene	<0.000792	0.0591	0.0595	101	0.0566	97	55-141	5	20	mg/kg	03/25/13 16:27	
Trichloroethene	<0.000836	0.0591	0.0654	111	0.0670	115	39-150	2	20	mg/kg	03/25/13 16:27	
Trichlorofluoromethane	<0.00415	0.0591	0.0658	111	0.0720	123	34-179	9	20	mg/kg	03/25/13 16:27	

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 909932 Matrix: Soil Date Prep: 03/25/2013

Parent Sample Id: 459815-019 MS Sample Id: 459815-019 S MSD Sample Id: 459815-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Vinyl chloride	<0.00237	0.0591	0.0550	93	0.0619	106	40-161	12	20	mg/kg	03/25/13 16:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	93		93		50-150	%	03/25/13 16:27
4-Bromofluorobenzene	104		101		57-158	%	03/25/13 16:27
Toluene-D8	98		97		50-150	%	03/25/13 16:27

CHAIN OF CUSTODY RECORD

Lab W.O 459815

Field Billable Hrs:

XENCO Laboratories
Environmental Asbestos Radiochemistry
xenco.com
Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800
Boca Raton: 3231 NW 7th Ave, Boca Raton, FL 33431 561-447-7373
Miami: 14100 Palmetto Frontage Rd. Miami Lakes, FL 33016 305-823-8500
Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022
Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000

*** Container Type Codes**

VA	Vial Amber	ES	Encore Sampler
VC	Vial Clear	TS	TerraCore Sampler
VP	Vial Pre-preserved	AC	Air Canister
GA	Glass Amber	TB	Tedlar Bag
GC	Glass Clear	ZB	Zip Lock Bag
PA	Plastic Amber	PC	Plastic Clear

Other ____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz , 1Gal 40ml, 125 ml, 250 ml, 500 ml, 1L, Other ____
Example: 4ozGC = 4oz Glass Clear 40mlVP = 40ml Vial Pre-preserved

Company:	AMEC
Address:	396 Plasters Ave
City:	Atlanta
State:	GA
Zip:	30324
PM/Attn:	Tyler Boyle
Phone:	404 817 0153
email:	SAA
Fax:	404 817 0183
Project Name:	139 Brampton Road
Project ID:	6121 09 0220
Sampler Signature:	
PO #	
Quote #	

TAT Work Days = D Need results by: ____ Time: ____

Std (5-10D) 6Hrs 1D 2D 3D 4D (5D) 7D 10D 14D Other ____

Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

ANALYSES REQUESTED

**** Preservative Type Codes**

A. None	E. HCL	I. Ice	
B. HNO_3	F. MeOH	J. MCAA	
C. H_2SO_4	G. $Na_2S_2O_3$	K. ZnAc&NaOH	
D. NaOH	H. $NaHSO_4$	L. Asbc Acid&NaOH	

O. ____

^ Matrix Type Codes

GW	Ground Water	S	Soil/Sediment/Solid
WW	Waste Water	W	Wipe
DW	Drinking Water	A	Air
SW	Surface Water	O	Oil
OW	Ocean/Sea Water	T	Tissue
PL	Product-Liquid	U	Urine
PS	Product-Solid	B	Blood
SL	Sludge		

Other ____

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Composite or Grab	Field Filtered	Total # of containers	Cont Type *	Pres Type**	LEAD	Hold Sample (CALL) Additions:	REMARKS
								# Cont	Lab Only:			
1	GP-27-1'	3/19/13	1010	SO	G	NA	1			X		
2	GP-27-2'		1012				1			X	X	HOLD
3	GP-28-1'		1040				1			X		
4	GP-28-2'		1042				1			X	X	HOLD
5	GP-29-1'		1105				1			X		
6	GP-29-2'		1107				1			X	X	HOLD
7	GP-30-1'		1202				1			X		
8	GP-30-2'		1204				1			X	X	HOLD
9	GP-31-1'		1355				1			X		
10	GP-31-2'	3/19/13	1357	SO	G	NA	1			X	X	HOLD

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL IL Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADaPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1. 2. 3.

	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1		AMEC	3/21/13	1238		AMEC	3/21/13	1238
2		AMEC	3/21/13	1306	David Lagmas		3/21/13	1306
3								
4								

Lab Use Only	YES	NO	N/A
Non-Conformances found?			
Samples intact upon arrival?			
Received on Wet Ice?			
Labeled with proper preservatives?			
Received within holding time?			
Custody seals intact?			
VOCs rec'd w/o headspace?			
Proper containers used?			
pH verified-acceptable, excl VOCs?			
Received on time to meet HTs?			

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C.O.C. Serial # 288156

CHAIN OF CUSTODY RECORD

Lab W.O 459815

Field Billable Hrs:

XENCO Laboratories
Environmental Asbestos Radiochemistry
xenco.com

Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800
Boca Raton: 3231 NW 7th Ave. Boca Raton, FL 33431 561-447-7373
Miami: 14100 Palmetto Frontage Rd. Miami Lakes, FL 33016 305-823-8500
Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022
Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000

*** Container Type Codes**

VA	Vial Amber	ES	Encore Sampler
VC	Vial Clear	TS	TerraCore Sampler
VP	Vial Pre-preserved	AC	Air Canister
GA	Glass Amber	TB	Tedlar Bag
GC	Glass Clear	ZB	Zip Lock Bag
PA	Plastic Amber	PC	Plastic Clear

Other _____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz , 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other _____
Example: 4ozGC = 4oz Glass Clear
40mlVP = 40ml Vial Pre-preserved

Company:	AMEC
Address:	396 Plasters Ave
City:	Atlanta
State:	GA
Zip:	30324
PM/Attn:	Tyler Boyle
Phone:	404 817 0153
email:	SAA
Fax:	404 817 0183
Project Name:	139 Brandy Rod
Project ID:	6121 09 0220
Sampler Signature:	

PO #

Quote #

TAT Work Days = D Need results by: _____ Time: _____

Std (5-10D) 6Hrs 1D 2D 3D 4D (5D) 7D 10D 14D Other _____

Circle One Event: Daily Weekly Monthly
Quarterly Semi-Annual Annual N/A

ANALYSES REQUESTED

**** Preservative Type Codes**

A. None E. HCL I. Ice
B. HNO_3 F. MeOH J. MCAA
C. H_2SO_4 G. $Na_2S_2O_3$ K. ZnAc&NaOH
D. NaOH H. $NaHSO_4$ L. Asbc Acid&NaOH
O. _____

^ Matrix Type Codes

GW	Ground Water	S	Soil/Sediment/Solid
WW	Waste Water	W	Wipe
DW	Drinking Water	A	Air
SW	Surface Water	O	Oil
OW	Ocean/Sea Water	T	Tissue
PL	Product-Liquid	U	Urine
PS	Product-Solid	B	Blood
SL	Sludge		

Other _____

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Composite or Grab	Field Filtered	Total # of containers	# Cont	Lab Only:	Cont Type *	Pres Type**	VOC	Lead								Hold Sample (CALL) Additions:	REMARKS
										VP	G											
										F, H, I	TB A I											
1	GP-32-1-2'	3/19/13	1433	SO	G	NA	4		X			X										
2	GP-32-3-4'		1435				4		X			X									X	HOLD
3	GP-33-1'		1530				1						X									
4	GP-33-2'		1535				1						X								X	HOLD
5	GP-34-2-3'		1600				4		X			X										
6	GP-34-3-5'		1602				4		X			X									X	HOLD
7	GP-35-2-3'		1627				4		X			X										
8	GP-35-3-5'		1631				4		X			X									X	HOLD
9	GP-36-2-3'		1704				4		X			X										
10	GP-36-3-5'	3/19/13	1706	SO	G	NA	4		X			X									X	HOLD

Reg. Program / Clean-up Std: CTLs TRRP DW NPDES LPST DryCln Other:

STATE for Certs & Regs: FL TX GA NC SC NJ PA OK LA AL IL Other:

QA/QC Level & Certification: 1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:

EDDs: ADaPT SEDD ERPIMS XLS Other:

COC & Labels: Match Incomplete Absent Unclear

Coolers Temp °C: 1. 2. 3.

	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1		AMEC	3/21/13	1238		AMEC	3/21/13	1238
2		AMEC	3/21/13	1306	Dennis Lagmas		3/21/13	13:06
3								
4								

Lab Use Only

	YES	NO	N/A
Non-Conformances found?			
Samples intact upon arrival?			
Received on Wet Ice?			
Labeled with proper preservatives?			
Received within holding time?			
Custody seals intact?			
VOCs rec'd w/o headspace?			
Proper containers used?			
pH verified-acceptable, excl VOCs?			
Received on time to meet HTs?			

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C.O.C. Serial #
288157

CHAIN OF CUSTODY RECORD

XENCO Laboratories
Environmental Asbestos Radiochemistry
xenco.com
Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800
Boca Raton: 3231 NW 7th Ave, Boca Raton, FL 33431 561-447-7373
Miami: 14100 Palmetto Frontage Rd. Miami Lakes, FL 33016 305-823-8500
Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022
Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000

Lab W.O 459815

Field Billable Hrs:

*** Container Type Codes**

VA	Vial Amber	ES	Encore Sampler
VC	Vial Clear	TS	TerraCore Sampler
VP	Vial Pre-preserved	AC	Air Canister
GA	Glass Amber	TB	Tedlar Bag
GC	Glass Clear	ZB	Zip Lock Bag
PA	Plastic Amber	PC	Plastic Clear

Other ____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz , 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other ____
Example: 4ozGC = 4oz Glass Clear
40mlVP = 40ml Vial Pre-preserved

Company:	AMEC
Address:	396 Plasters Ave
City:	Atlanta
State:	GA
Zip:	30324
PM/Attn:	Tyler Boyles
Phone:	404 817 0153
email:	SAA
Fax:	404 817 0183
Project Name:	139 Brumpton Road
Project ID:	6121 09 0220
Sampler Signature:	
PO #	
Quote #	

TAT Work Days = D Need results by: ____ Time: ____

Std (5-10D) 6Hrs 1D 2D 3D 4D (5D) 7D 10D 14D Other ____

Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

ANALYSES REQUESTED

**** Preservative Type Codes**

A. None E. HCL I. Ice
B. HNO_3 F. MeOH J. MCAA
C. H_2SO_4 G. $Na_2S_2O_3$ K. ZnAc&NaOH
D. NaOH H. $NaHSO_4$ L Asbc Acid&NaOH
O. ____

^ Matrix Type Codes

GW Ground Water S Soil/Sediment/Solid
WW Waste Water W Wipe
DW Drinking Water A Air
SW Surface Water O Oil
OW Ocean/Sea Water T Tissue
PL Product-Liquid U Urine
PS Product-Solid B Blood
SL Sludge
Other ____

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Composite or Grab	Field Filtered	Total # of containers	Cont Type *	Pres Type**	# Cont	Lab Only:									Hold Sample (CALL) Additions:	REMARKS
												VP	VP	GC							
												VOCs	VOCs	Lead							
1	GP-37-1'	3/19/13	1715	SO	G	NA	1							X							
2	GP-37-2'		1717				1							X						X	HOLD
3	GP-38-1'		1745				1							X							
4	GP-38-2'		1747				1							X						X	HOLD
5	DUP-1	↓	1745	↓			1							X							
6	DUP-2	3/19/13	1629	SO			4					X									
7	GW-9	3/20/13	1050	GW	↓	↓	2						X								
8	EW-3	3/20/13	1256	GW	G	NA	2						X								
9	TRIP BLANK																				
10	GP-32-1'	3/19/13	1931	SO	G	NA	1							X							

Reg. Program / Clean-up Std
CTLs TRRP DW NPDES LPST DryCln
Other:

STATE for Certs & Regs
FL TX GA NC SC NJ PA
OK LA AL IL Other:

QA/QC Level & Certification
1 2 3 4 CLP AFCEE QAPP
NELAC DoD-ELAP Other:

EDDs
ADaPT SEDD ERPIMS
XLS Other:

COC & Labels
Match Incomplete
Absent Unclear

Coolers Temp °C
1. 2. 3.

	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1		AMEC	3/21/13	1238		AMEC	3/21/13	1238
2		AMEC	3/21/13	1306	Dario Lagmas		3/21/13	13:06
3								
4								

Lab Use Only	YES	NO	N/A
Non-Conformances found?			
Samples intact upon arrival?			
Received on Wet Ice?			
Labeled with proper preservatives?			
Received within holding time?			
Custody seals intact?			
VOCs rec'd w/o headspace?			
Proper containers used?			
pH verified-acceptable, excl VOCs?			
Received on time to meet HTs?			

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C.O.C. Serial # 288158

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: AMEC E&I, Inc.

Date/ Time Received: 03/21/2013 01:06:00 PM

Work Order #: 459815

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:	PH Device/Lot#:

Checklist completed by: Dijana Piljak
Dijana Piljak
Date: 03/25/2013

Checklist reviewed by: Dijana Piljak
Dijana Piljak
Date: 03/25/2013

Analytical Report 459815

for

AMEC E&I, Inc.

Project Manager: Tyler Boyles

139 Brampton Road

6121090220

29-APR-13

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

29-APR-13

Project Manager: **Tyler Boyles**
AMEC E&I, Inc.
396 Plasters Ave
Atlanta, GA 30324

Reference: XENCO Report No(s): **459815**
139 Brampton Road
Project Address: Atlanta, GA

Tyler Boyles:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459815. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459815 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Dijana Piljak

Dijana Piljak
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GP-27-1'	S	03-19-13 10:10		459815-001
GP-28-1'	S	03-19-13 10:40		459815-003
GP-29-1'	S	03-19-13 11:05		459815-005
GP-30-1'	S	03-19-13 12:02		459815-007
GP-31-1'	S	03-19-13 13:55		459815-009
GP-32-1-2'	S	03-19-13 14:33		459815-011
GP-33-1'	S	03-19-13 15:30		459815-013
GP-34-2-3'	S	03-19-13 16:00		459815-015
GP-35-2-3'	S	03-19-13 16:29		459815-017
GP-36-2-3'	S	03-19-13 17:04		459815-019
GP-37-1'	S	03-19-13 17:15		459815-021
GP-38-1'	S	03-19-13 17:45		459815-023
DUP-1	S	03-19-13 17:45		459815-025
DUP-2	S	03-19-13 16:29		459815-026
GW-9	W	03-20-13 10:50		459815-027
EW-3	W	03-20-13 12:06		459815-028
Trip Blank	W	03-20-13 00:00		459815-029
GP-32-1'	S	03-19-13 14:31		459815-030
GP-27-2'	S	03-19-13 10:12		Not Analyzed
GP-28-2'	S	03-19-13 10:42		Not Analyzed
GP-29-2'	S	03-19-13 11:07		Not Analyzed
GP-30-2'	S	03-19-13 12:04		Not Analyzed
GP-31-2'	S	03-19-13 13:57		Not Analyzed
GP-32-3-4'	S	03-19-13 14:35		Not Analyzed
GP-33-2'	S	03-19-13 15:35		Not Analyzed
GP-34-3-5'	S	03-19-13 16:02		Not Analyzed
GP-35-3-5'	S	03-19-13 16:31		Not Analyzed
GP-36-3-5'	S	03-19-13 17:06		Not Analyzed
GP-37-2'	S	03-19-13 17:17		Not Analyzed
GP-38-2'	S	03-19-13 17:47		Not Analyzed

Sample receipt non conformances and comments:

Project Manager's Notations:

1. This revised report replaces the original revised report issued April 8, 2013. It has been determined that there was a possible calculation error in the percent moisture content. Percent moisture has been reanalyzed and the new result is reported in this report. No other changes have been made.

2. This revised report replaces the original issued March 29th, 2013. In order to better meet client site data quality objectives, a different VOC list has been reported. No other changes have been made to this report.

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-27-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-001** Date Collected: 03.19.13 10.10

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 13.13

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**17.8**	5.19	mg/kg	03.28.13 14.46		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**13.1**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-28-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-003** Date Collected: 03.19.13 10.40

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 14.84

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**71.0**	5.54	mg/kg	03.28.13 14.48		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**14.8**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-29-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-005** Date Collected: 03.19.13 11.05

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 10.59

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**41.6**	4.95	mg/kg	03.28.13 14.49		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**10.6**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-30-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-007** Date Collected: 03.19.13 12.02

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 8.99

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	BRL	5.23	mg/kg	03.28.13 14.51	U	1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**8.99**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-31-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-009** Date Collected: 03.19.13 13.55

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 15.36

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**6.86**	5.23	mg/kg	03.28.13 14.53		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**15.4**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-32-1-2'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-011** Date Collected: 03.19.13 14.33

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**12.7**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-32-1-2'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-011** Date Collected: 03.19.13 14.33

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 12.67

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
1,4-Dioxane	123-91-1	BRL	0.0984	mg/kg	03.25.13 09.11	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0492	mg/kg	03.25.13 09.11	U	1
2-Hexanone	591-78-6	BRL	0.00984	mg/kg	03.25.13 09.11	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.00984	mg/kg	03.25.13 09.11	U	1
Acetone	67-64-1	**0.0107**	0.00984	mg/kg	03.25.13 09.11		1
Benzene	71-43-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Bromodichloromethane	75-27-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Bromoform	75-25-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Bromomethane	74-83-9	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Carbon disulfide	75-15-0	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Carbon tetrachloride	56-23-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Chlorobenzene	108-90-7	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Chloroethane	75-00-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Chloroform	67-66-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Chloromethane	74-87-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Cyclohexane	110-82-7	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Dibromochloromethane	124-48-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Ethylbenzene	100-41-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Isopropylbenzene	98-82-8	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
m,p-Xylenes	179601-23-1	BRL	0.00984	mg/kg	03.25.13 09.11	U	1
Methyl acetate	79-20-9	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.00984	mg/kg	03.25.13 09.11	U	1
Methylcyclohexane	108-87-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Methylene chloride	75-09-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-32-1-2'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-011** Date Collected: 03.19.13 14.33

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 12.67

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Styrene	100-42-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Tetrachloroethene	127-18-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Toluene	108-88-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Trichloroethene	79-01-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
Vinyl chloride	75-01-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	97	%	50-150	03.25.13 09.11	
4-Bromofluorobenzene	460-00-4	108	%	57-158	03.25.13 09.11	
Toluene-D8	2037-26-5	99	%	50-150	03.25.13 09.11	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-33-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-013** Date Collected: 03.19.13 15.30

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 13.44

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**6.49**	5.72	mg/kg	03.28.13 14.54		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**13.4**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-34-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-015** Date Collected: 03.19.13 16.00

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**15.5**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-34-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-015** Date Collected: 03.19.13 16.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 15.45

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
1,4-Dioxane	123-91-1	BRL	0.102	mg/kg	03.25.13 13.42	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0510	mg/kg	03.25.13 13.42	U	1
2-Hexanone	591-78-6	BRL	0.0102	mg/kg	03.25.13 13.42	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.0102	mg/kg	03.25.13 13.42	U	1
Acetone	67-64-1	**0.0113**	0.0102	mg/kg	03.25.13 13.42		1
Benzene	71-43-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Bromodichloromethane	75-27-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Bromoform	75-25-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Bromomethane	74-83-9	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Carbon disulfide	75-15-0	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Carbon tetrachloride	56-23-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Chlorobenzene	108-90-7	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Chloroethane	75-00-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Chloroform	67-66-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Chloromethane	74-87-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Cyclohexane	110-82-7	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Dibromochloromethane	124-48-1	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Ethylbenzene	100-41-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Isopropylbenzene	98-82-8	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
m,p-Xylenes	179601-23-1	BRL	0.0102	mg/kg	03.25.13 13.42	U	1
Methyl acetate	79-20-9	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.0102	mg/kg	03.25.13 13.42	U	1
Methylcyclohexane	108-87-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Methylene chloride	75-09-2	BRL	0.00510	mg/kg	03.25.13 13.42	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-34-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-015** Date Collected: 03.19.13 16.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 15.45

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Styrene	100-42-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Tetrachloroethene	127-18-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Toluene	108-88-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Trichloroethene	79-01-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
Vinyl chloride	75-01-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	95	%	50-150	03.25.13 13.42	
4-Bromofluorobenzene	460-00-4	104	%	57-158	03.25.13 13.42	
Toluene-D8	2037-26-5	103	%	50-150	03.25.13 13.42	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-35-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-017** Date Collected: 03.19.13 16.29

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**19.0**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-35-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-017** Date Collected: 03.19.13 16.29

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 18.96

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
1,4-Dioxane	123-91-1	BRL	0.104	mg/kg	03.25.13 10.58	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0519	mg/kg	03.25.13 10.58	U	1
2-Hexanone	591-78-6	BRL	0.0104	mg/kg	03.25.13 10.58	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.0104	mg/kg	03.25.13 10.58	U	1
Acetone	67-64-1	**0.0105**	0.0104	mg/kg	03.25.13 10.58		1
Benzene	71-43-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Bromodichloromethane	75-27-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Bromoform	75-25-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Bromomethane	74-83-9	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Carbon disulfide	75-15-0	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Carbon tetrachloride	56-23-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Chlorobenzene	108-90-7	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Chloroethane	75-00-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Chloroform	67-66-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Chloromethane	74-87-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Cyclohexane	110-82-7	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Dibromochloromethane	124-48-1	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Ethylbenzene	100-41-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Isopropylbenzene	98-82-8	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
m,p-Xylenes	179601-23-1	BRL	0.0104	mg/kg	03.25.13 10.58	U	1
Methyl acetate	79-20-9	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.0104	mg/kg	03.25.13 10.58	U	1
Methylcyclohexane	108-87-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Methylene chloride	75-09-2	BRL	0.00519	mg/kg	03.25.13 10.58	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-35-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-017** Date Collected: 03.19.13 16.29

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 18.96

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Styrene	100-42-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Tetrachloroethene	127-18-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Toluene	108-88-3	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Trichloroethene	79-01-6	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1
Vinyl chloride	75-01-4	BRL	0.00519	mg/kg	03.25.13 10.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	105	%	50-150	03.25.13 10.58	
4-Bromofluorobenzene	460-00-4	96	%	57-158	03.25.13 10.58	
Toluene-D8	2037-26-5	93	%	50-150	03.25.13 10.58	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-36-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-019** Date Collected: 03.19.13 17.04

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**15.9**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-36-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-019** Date Collected: 03.19.13 17.04

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 15.91

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
1,4-Dioxane	123-91-1	BRL	0.113	mg/kg	03.25.13 11.56	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0566	mg/kg	03.25.13 11.56	U	1
2-Hexanone	591-78-6	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
Acetone	67-64-1	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
Benzene	71-43-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Bromodichloromethane	75-27-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Bromoform	75-25-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Bromomethane	74-83-9	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Carbon disulfide	75-15-0	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Carbon tetrachloride	56-23-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Chlorobenzene	108-90-7	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Chloroethane	75-00-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Chloroform	67-66-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Chloromethane	74-87-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Cyclohexane	110-82-7	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Dibromochloromethane	124-48-1	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Ethylbenzene	100-41-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Isopropylbenzene	98-82-8	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
m,p-Xylenes	179601-23-1	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
Methyl acetate	79-20-9	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.0113	mg/kg	03.25.13 11.56	U	1
Methylcyclohexane	108-87-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Methylene chloride	75-09-2	BRL	0.00566	mg/kg	03.25.13 11.56	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-36-2-3'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-019** Date Collected: 03.19.13 17.04

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 15.91

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Styrene	100-42-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Tetrachloroethene	127-18-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Toluene	108-88-3	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Trichloroethene	79-01-6	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1
Vinyl chloride	75-01-4	BRL	0.00566	mg/kg	03.25.13 11.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	100	%	50-150	03.25.13 11.56	
4-Bromofluorobenzene	460-00-4	106	%	57-158	03.25.13 11.56	
Toluene-D8	2037-26-5	98	%	50-150	03.25.13 11.56	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-37-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-021** Date Collected: 03.19.13 17.15

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 13.61

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**10.7**	4.95	mg/kg	03.28.13 15.00		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**13.6**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-38-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-023** Date Collected: 03.19.13 17.45

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 9.59

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**7.90**	5.48	mg/kg	03.28.13 15.02		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**9.59**	0.100	%	03.26.13 13.00		1

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **DUP-1** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-025** Date Collected: 03.19.13 17.45

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 7.24

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**8.30**	4.65	mg/kg	03.28.13 15.04		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909919

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**7.24**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **DUP-2** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**18.8**	0.100	%	03.26.13 13.00		1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **DUP-2** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 18.81

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
1,4-Dioxane	123-91-1	BRL	0.112	mg/kg	03.25.13 12.47	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0558	mg/kg	03.25.13 12.47	U	1
2-Hexanone	591-78-6	BRL	0.0112	mg/kg	03.25.13 12.47	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.0112	mg/kg	03.25.13 12.47	U	1
Acetone	67-64-1	**0.0118**	0.0112	mg/kg	03.25.13 12.47		1
Benzene	71-43-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Bromodichloromethane	75-27-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Bromoform	75-25-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Bromomethane	74-83-9	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Carbon disulfide	75-15-0	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Carbon tetrachloride	56-23-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Chlorobenzene	108-90-7	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Chloroethane	75-00-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Chloroform	67-66-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Chloromethane	74-87-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Cyclohexane	110-82-7	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Dibromochloromethane	124-48-1	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Ethylbenzene	100-41-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Isopropylbenzene	98-82-8	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
m,p-Xylenes	179601-23-1	BRL	0.0112	mg/kg	03.25.13 12.47	U	1
Methyl acetate	79-20-9	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.0112	mg/kg	03.25.13 12.47	U	1
Methylcyclohexane	108-87-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Methylene chloride	75-09-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **DUP-2** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE % Moisture: 18.81

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Seq Number: 909932

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Styrene	100-42-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Tetrachloroethene	127-18-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Toluene	108-88-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Trichloroethene	79-01-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
Vinyl chloride	75-01-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	103	%	50-150	03.25.13 12.47	
4-Bromofluorobenzene	460-00-4	97	%	57-158	03.25.13 12.47	
Toluene-D8	2037-26-5	97	%	50-150	03.25.13 12.47	

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GW-9** Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-027** Date Collected: 03.20.13 10.50

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,1-Dichloroethane	75-34-3	**6.14**	1.00	ug/L	03.26.13 13.25		1
1,1-Dichloroethene	75-35-4	**15.0**	1.00	ug/L	03.26.13 13.25		1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	03.26.13 13.25	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	03.26.13 13.25	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	03.26.13 13.25	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	03.26.13 13.25	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	03.26.13 13.25	U	1
Acetone	67-64-1	BRL	2.00	ug/L	03.26.13 13.25	U	1
Benzene	71-43-2	**1.22**	1.00	ug/L	03.26.13 13.25		1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	03.26.13 13.25	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	03.26.13 13.25	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	03.26.13 13.25	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	03.26.13 13.25	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	03.26.13 13.25	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	03.26.13 13.25	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	03.26.13 13.25	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	03.26.13 13.25	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	03.26.13 13.25	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	03.26.13 13.25	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	03.26.13 13.25	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	03.26.13 13.25	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	03.26.13 13.25	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	03.26.13 13.25	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	03.26.13 13.25	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	03.26.13 13.25	U	1
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	03.26.13 13.25	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	03.26.13 13.25	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GW-9** Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-027** Date Collected: 03.20.13 10.50

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	1.00	ug/L	03.26.13 13.25	U	1
Styrene	100-42-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
Tetrachloroethene	127-18-4	**5.51**	1.00	ug/L	03.26.13 13.25		1
Toluene	108-88-3	BRL	1.00	ug/L	03.26.13 13.25	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	03.26.13 13.25	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	03.26.13 13.25	U	1
Trichloroethene	79-01-6	**1.65**	1.00	ug/L	03.26.13 13.25		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	03.26.13 13.25	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	03.26.13 13.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	03.26.13 13.25	
4-Bromofluorobenzene	460-00-4	106	%	30-186	03.26.13 13.25	
Toluene-D8	2037-26-5	101	%	70-130	03.26.13 13.25	

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-3** Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-028** Date Collected: 03.20.13 12.06

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	03.26.13 13.52	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	03.26.13 13.52	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	03.26.13 13.52	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	03.26.13 13.52	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	03.26.13 13.52	U	1
Acetone	67-64-1	BRL	2.00	ug/L	03.26.13 13.52	U	1
Benzene	71-43-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	03.26.13 13.52	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	03.26.13 13.52	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	03.26.13 13.52	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	03.26.13 13.52	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	03.26.13 13.52	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	03.26.13 13.52	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	03.26.13 13.52	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	03.26.13 13.52	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	03.26.13 13.52	U	1
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	03.26.13 13.52	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-3** Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-028** Date Collected: 03.20.13 12.06

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	1.00	ug/L	03.26.13 13.52	U	1
Styrene	100-42-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
Toluene	108-88-3	BRL	1.00	ug/L	03.26.13 13.52	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	03.26.13 13.52	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	03.26.13 13.52	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	03.26.13 13.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	106	%	53-159	03.26.13 13.52	
4-Bromofluorobenzene	460-00-4	103	%	30-186	03.26.13 13.52	
Toluene-D8	2037-26-5	92	%	70-130	03.26.13 13.52	

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **Trip Blank** Matrix: Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-029** Date Collected: 03.20.13 00.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	03.26.13 12.31	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	03.26.13 12.31	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	03.26.13 12.31	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	03.26.13 12.31	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	03.26.13 12.31	U	1
Acetone	67-64-1	BRL	2.00	ug/L	03.26.13 12.31	U	1
Benzene	71-43-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	03.26.13 12.31	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	03.26.13 12.31	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	03.26.13 12.31	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	03.26.13 12.31	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	03.26.13 12.31	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	03.26.13 12.31	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	03.26.13 12.31	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	03.26.13 12.31	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	03.26.13 12.31	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	03.26.13 12.31	U	1
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	03.26.13 12.31	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	03.26.13 12.31	U	1

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AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **Trip Blank** Matrix: Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-029** Date Collected: 03.20.13 00.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Seq Number: 909969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
o-Xylene	95-47-6	BRL	1.00	ug/L	03.26.13 12.31	U	1
Styrene	100-42-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
Toluene	108-88-3	BRL	1.00	ug/L	03.26.13 12.31	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	03.26.13 12.31	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	03.26.13 12.31	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	03.26.13 12.31	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	03.26.13 12.31	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	03.26.13 12.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	101	%	53-159	03.26.13 12.31	
4-Bromofluorobenzene	460-00-4	102	%	30-186	03.26.13 12.31	
Toluene-D8	2037-26-5	98	%	70-130	03.26.13 12.31	

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GP-32-1'** Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-030** Date Collected: 03.19.13 14.31

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B

Tech: ABA % Moisture: 9.75

Analyst: 4150 Date Prep: 03.25.13 09.30 Basis: Dry Weight

Seq Number: 910078

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**8.00**	5.33	mg/kg	03.28.13 15.05		1

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**9.75**	0.100	%	03.26.13 13.00		1

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B
Seq Number: 910078 Matrix: Solid Date Prep: 03/25/2013
MB Sample Id: 635552-1-BLK LCS Sample Id: 635552-1-BKS LCSD Sample Id: 635552-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Lead	<0.279	100	105	105	103	103	80-120	2	20	mg/kg	03/28/13 14:19	

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B
Seq Number: 910078 Matrix: Sludge Date Prep: 03/25/2013
Parent Sample Id: 459672-001 MD Sample Id: 459672-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Lead	52.4	49.5	6	20	mg/kg	03/28/13 14:24	

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B
Seq Number: 910078 Matrix: Sludge Date Prep: 03/25/2013
Parent Sample Id: 459672-001 MS Sample Id: 459672-001 S MSD Sample Id: 459672-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Lead	52.4	660	754	106	764	101	80-120	1	20	mg/kg	03/28/13 14:26	

Analytical Method: **Percent Moisture**
Seq Number: 909917 Matrix: Soil
Parent Sample Id: 459732-001 MD Sample Id: 459732-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	17.1	18.1	6	20	%	03/26/13 13:00	

Analytical Method: **Percent Moisture**
Seq Number: 909917 Matrix: Soil
Parent Sample Id: 459815-001 MD Sample Id: 459815-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	13.1	11.4	14	20	%	03/26/13 13:00	

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **Percent Moisture**

Seq Number: 909919 Matrix: Soil

Parent Sample Id: 459815-025 MD Sample Id: 459815-025 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	7.24	9.16	23	20	%	03/26/13 13:00	F

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 909969 Matrix: Water Date Prep: 03/26/2013

MB Sample Id: 635730-1-BLK LCS Sample Id: 635730-1-BKS LCSD Sample Id: 635730-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	45.4	91	43.5	87	65-130	4	20	ug/L	03/26/13 09:47	
1,1,2,2-Tetrachloroethane	<0.180	50.0	50.3	101	49.6	99	65-130	1	20	ug/L	03/26/13 09:47	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	41.7	83	44.1	88	65-130	6	20	ug/L	03/26/13 09:47	
1,1,2-Trichloroethane	<0.250	50.0	49.1	98	47.2	94	75-125	4	20	ug/L	03/26/13 09:47	
1,1-Dichloroethane	<0.110	50.0	44.8	90	44.9	90	70-135	0	20	ug/L	03/26/13 09:47	
1,1-Dichloroethene	<0.200	50.0	43.1	86	40.8	82	70-130	5	20	ug/L	03/26/13 09:47	
1,2,4-Trichlorobenzene	<0.170	50.0	47.0	94	48.2	96	65-135	3	20	ug/L	03/26/13 09:47	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	49.0	98	53.1	106	50-130	8	20	ug/L	03/26/13 09:47	
1,2-Dibromoethane (EDB)	<0.180	50.0	48.8	98	51.5	103	80-120	5	20	ug/L	03/26/13 09:47	
1,2-Dichlorobenzene	<0.140	50.0	46.1	92	48.2	96	70-120	4	20	ug/L	03/26/13 09:47	
1,2-Dichloroethane	<0.180	50.0	45.8	92	44.5	89	70-130	3	20	ug/L	03/26/13 09:47	
1,2-Dichloropropane	<0.150	50.0	46.0	92	47.8	96	75-125	4	20	ug/L	03/26/13 09:47	
1,3-Dichlorobenzene	<0.170	50.0	48.0	96	48.8	98	75-125	2	20	ug/L	03/26/13 09:47	
1,4-Dichlorobenzene	<0.170	50.0	45.4	91	47.3	95	75-125	4	20	ug/L	03/26/13 09:47	
1,4-Dioxane	<8.84	1000	970	97	966	97	30-145	0	20	ug/L	03/26/13 09:47	
2-Butanone (MEK)	<0.280	100	95.8	96	103	103	30-150	7	20	ug/L	03/26/13 09:47	
2-Hexanone	<0.320	100	112	112	110	110	55-130	2	20	ug/L	03/26/13 09:47	
4-Methyl-2-pentanone (MIBK)	<0.260	100	99.7	100	99.4	99	60-135	0	20	ug/L	03/26/13 09:47	
Acetone	<0.350	100	107	107	108	108	40-140	1	20	ug/L	03/26/13 09:47	
Benzene	<0.160	50.0	46.0	92	46.0	92	80-120	0	20	ug/L	03/26/13 09:47	
Bromodichloromethane	<0.250	50.0	50.5	101	50.1	100	75-120	1	20	ug/L	03/26/13 09:47	
Bromoform	<0.170	50.0	45.2	90	44.2	88	70-130	2	20	ug/L	03/26/13 09:47	
Bromomethane	<0.250	50.0	46.8	94	46.8	94	30-145	0	20	ug/L	03/26/13 09:47	
Carbon disulfide	<0.260	50.0	40.6	81	41.7	83	35-160	3	20	ug/L	03/26/13 09:47	
Carbon tetrachloride	<0.330	50.0	48.5	97	48.2	96	65-140	1	20	ug/L	03/26/13 09:47	
Chlorobenzene	<0.150	50.0	45.8	92	47.2	94	80-120	3	20	ug/L	03/26/13 09:47	
Chloroethane	<0.260	50.0	47.2	94	48.7	97	60-135	3	20	ug/L	03/26/13 09:47	
Chloroform	<0.160	50.0	44.9	90	45.1	90	65-135	0	20	ug/L	03/26/13 09:47	
Chloromethane	<0.250	50.0	45.9	92	49.1	98	40-125	7	20	ug/L	03/26/13 09:47	
cis-1,2-Dichloroethene	<0.210	50.0	44.2	88	42.9	86	70-125	3	20	ug/L	03/26/13 09:47	
cis-1,3-Dichloropropene	<0.100	50.0	52.2	104	51.5	103	70-130	1	20	ug/L	03/26/13 09:47	
Cyclohexane	<0.150	50.0	46.2	92	48.1	96	65-135	4	20	ug/L	03/26/13 09:47	
Dibromochloromethane	<0.150	50.0	46.4	93	44.7	89	60-135	4	20	ug/L	03/26/13 09:47	
Dichlorodifluoromethane	<0.220	50.0	44.0	88	42.9	86	30-155	3	20	ug/L	03/26/13 09:47	
Ethylbenzene	<0.190	50.0	48.9	98	48.2	96	75-125	1	20	ug/L	03/26/13 09:47	
Isopropylbenzene	<0.150	50.0	49.7	99	47.6	95	75-125	4	20	ug/L	03/26/13 09:47	
m,p-Xylenes	<0.510	100	95.4	95	94.2	94	75-130	1	20	ug/L	03/26/13 09:47	
Methyl acetate	<0.260	50.0	46.0	92	46.1	92	65-135	0	20	ug/L	03/26/13 09:47	
Methyl tert-butyl ether	<0.180	100	90.2	90	88.6	89	65-125	2	20	ug/L	03/26/13 09:47	
Methylcyclohexane	<0.110	50.0	48.4	97	48.4	97	65-135	0	20	ug/L	03/26/13 09:47	
Methylene chloride	<0.420	50.0	44.9	90	43.6	87	55-140	3	20	ug/L	03/26/13 09:47	
o-Xylene	<0.200	50.0	45.9	92	47.3	95	80-120	3	20	ug/L	03/26/13 09:47	
Styrene	<0.180	50.0	51.2	102	50.1	100	65-135	2	20	ug/L	03/26/13 09:47	
Tetrachloroethene	<0.160	50.0	45.7	91	46.8	94	45-150	2	20	ug/L	03/26/13 09:47	
Toluene	<0.140	50.0	48.0	96	47.4	95	75-120	1	20	ug/L	03/26/13 09:47	
trans-1,2-Dichloroethene	<0.210	50.0	42.0	84	43.3	87	60-140	3	20	ug/L	03/26/13 09:47	
trans-1,3-Dichloropropene	<0.110	50.0	52.1	104	50.9	102	55-140	2	20	ug/L	03/26/13 09:47	
Trichloroethene	<0.190	50.0	45.9	92	45.8	92	70-125	0	20	ug/L	03/26/13 09:47	
Trichlorofluoromethane	<0.530	50.0	51.3	103	49.9	100	60-145	3	20	ug/L	03/26/13 09:47	

AMEC E&I, Inc.

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 909969 Matrix: Water Date Prep: 03/26/2013

MB Sample Id: 635730-1-BLK LCS Sample Id: 635730-1-BKS LCSD Sample Id: 635730-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Vinyl chloride	<0.190	50.0	45.6	91	47.2	94	50-145	3	20	ug/L	03/26/13 09:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	103		90		91		53-159	%	03/26/13 09:47
4-Bromofluorobenzene	105		100		101		30-186	%	03/26/13 09:47
Toluene-D8	95		100		103		70-130	%	03/26/13 09:47

AMEC E&I, Inc.

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 909969 Matrix: Ground Water Date Prep: 03/26/2013

Parent Sample Id: 459741-002 MS Sample Id: 459741-002 S MSD Sample Id: 459741-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	42.6	85	42.0	84	59-138	1	20	ug/L	03/26/13 19:46	
1,1,2,2-Tetrachloroethane	<0.180	50.0	49.2	98	46.9	94	63-126	5	20	ug/L	03/26/13 19:46	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	38.9	78	40.4	81	53-138	4	20	ug/L	03/26/13 19:46	
1,1,2-Trichloroethane	<0.250	50.0	46.3	93	46.8	94	72-115	1	20	ug/L	03/26/13 19:46	
1,1-Dichloroethane	<0.110	50.0	45.1	90	41.1	82	69-132	9	20	ug/L	03/26/13 19:46	
1,1-Dichloroethene	<0.200	50.0	37.4	75	39.1	78	62-131	4	20	ug/L	03/26/13 19:46	
1,2,4-Trichlorobenzene	<0.170	50.0	42.1	84	42.9	86	34-131	2	20	ug/L	03/26/13 19:46	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	44.2	88	45.4	91	53-121	3	20	ug/L	03/26/13 19:46	
1,2-Dibromoethane (EDB)	<0.180	50.0	48.5	97	47.1	94	66-125	3	20	ug/L	03/26/13 19:46	
1,2-Dichlorobenzene	<0.140	50.0	45.0	90	43.8	88	58-124	3	20	ug/L	03/26/13 19:46	
1,2-Dichloroethane	<0.180	50.0	44.0	88	42.7	85	55-141	3	20	ug/L	03/26/13 19:46	
1,2-Dichloropropane	<0.150	50.0	45.5	91	45.2	90	78-121	1	20	ug/L	03/26/13 19:46	
1,3-Dichlorobenzene	<0.170	50.0	46.4	93	44.1	88	62-120	5	20	ug/L	03/26/13 19:46	
1,4-Dichlorobenzene	<0.170	50.0	44.3	89	43.0	86	64-114	3	20	ug/L	03/26/13 19:46	
1,4-Dioxane	<8.84	1000	823	82	853	85	11-185	4	20	ug/L	03/26/13 19:46	
2-Butanone (MEK)	<0.280	100	95.4	95	101	101	50-152	6	20	ug/L	03/26/13 19:46	
2-Hexanone	<0.320	100	98.2	98	99.9	100	55-136	2	20	ug/L	03/26/13 19:46	
4-Methyl-2-pentanone (MIBK)	<0.260	100	91.5	92	90.6	91	65-132	1	20	ug/L	03/26/13 19:46	
Acetone	<0.350	100	99.1	99	98.5	99	40-140	1	20	ug/L	03/26/13 19:46	
Benzene	<0.160	50.0	44.3	89	44.3	89	77-118	0	20	ug/L	03/26/13 19:46	
Bromodichloromethane	<0.250	50.0	46.8	94	45.9	92	68-125	2	20	ug/L	03/26/13 19:46	
Bromoform	<0.170	50.0	41.7	83	38.3	77	53-112	9	20	ug/L	03/26/13 19:46	
Bromomethane	<0.250	50.0	40.5	81	40.6	81	63-137	0	20	ug/L	03/26/13 19:46	
Carbon disulfide	<0.260	50.0	38.0	76	37.0	74	26-147	3	20	ug/L	03/26/13 19:46	
Carbon tetrachloride	<0.330	50.0	41.0	82	39.2	78	56-138	4	20	ug/L	03/26/13 19:46	
Chlorobenzene	<0.150	50.0	44.8	90	44.2	88	71-114	1	20	ug/L	03/26/13 19:46	
Chloroethane	<0.260	50.0	41.3	83	42.9	86	60-137	4	20	ug/L	03/26/13 19:46	
Chloroform	<0.160	50.0	43.5	87	43.1	86	65-131	1	20	ug/L	03/26/13 19:46	
Chloromethane	<0.250	50.0	38.8	78	37.9	76	48-151	2	20	ug/L	03/26/13 19:46	
cis-1,2-Dichloroethene	<0.210	50.0	43.0	86	41.2	82	22-185	4	20	ug/L	03/26/13 19:46	
cis-1,3-Dichloropropene	<0.100	50.0	45.1	90	43.8	88	67-113	3	20	ug/L	03/26/13 19:46	
Cyclohexane	<0.150	50.0	41.6	83	43.1	86	61-141	4	20	ug/L	03/26/13 19:46	
Dibromochloromethane	<0.150	50.0	41.9	84	42.9	86	53-125	2	20	ug/L	03/26/13 19:46	
Dichlorodifluoromethane	<0.220	50.0	36.4	73	36.3	73	38-145	0	20	ug/L	03/26/13 19:46	
Ethylbenzene	<0.190	50.0	45.8	92	45.5	91	66-127	1	20	ug/L	03/26/13 19:46	
Isopropylbenzene	<0.150	50.0	48.0	96	46.0	92	58-127	4	20	ug/L	03/26/13 19:46	
m,p-Xylenes	<0.510	100	90.6	91	88.5	89	65-126	2	20	ug/L	03/26/13 19:46	
Methyl acetate	<0.260	50.0	41.8	84	42.2	84	65-135	1	20	ug/L	03/26/13 19:46	
Methyl tert-butyl ether	<0.180	100	86.0	86	87.0	87	58-141	1	20	ug/L	03/26/13 19:46	
Methylcyclohexane	<0.110	50.0	43.6	87	42.8	86	64-128	2	20	ug/L	03/26/13 19:46	
Methylene chloride	<0.420	50.0	41.2	82	42.6	85	63-150	3	20	ug/L	03/26/13 19:46	
o-Xylene	<0.200	50.0	45.5	91	43.7	87	64-123	4	20	ug/L	03/26/13 19:46	
Styrene	<0.180	50.0	47.4	95	46.8	94	50-133	1	20	ug/L	03/26/13 19:46	
Tetrachloroethene	<0.160	50.0	44.6	89	43.9	88	52-125	2	20	ug/L	03/26/13 19:46	
Toluene	<0.140	50.0	45.3	91	45.2	90	65-123	0	20	ug/L	03/26/13 19:46	
trans-1,2-Dichloroethene	<0.210	50.0	44.3	89	40.9	82	65-135	8	20	ug/L	03/26/13 19:46	
trans-1,3-Dichloropropene	<0.110	50.0	45.1	90	44.6	89	50-125	1	20	ug/L	03/26/13 19:46	
Trichloroethene	<0.190	50.0	43.8	88	42.9	86	65-125	2	20	ug/L	03/26/13 19:46	
Trichlorofluoromethane	<0.530	50.0	45.2	90	43.8	88	51-145	3	20	ug/L	03/26/13 19:46	

AMEC E&I, Inc.

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 909969 Matrix: Ground Water Date Prep: 03/26/2013

Parent Sample Id: 459741-002 MS Sample Id: 459741-002 S MSD Sample Id: 459741-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Vinyl chloride	<0.190	50.0	35.0	70	37.2	74	52-140	6	20	ug/L	03/26/13 19:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	90		89		53-159	%	03/26/13 19:46
4-Bromofluorobenzene	102		100		30-186	%	03/26/13 19:46
Toluene-D8	96		101		70-130	%	03/26/13 19:46

AMEC E&I, Inc.

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 909932 Matrix: Solid Date Prep: 03/25/2013

MB Sample Id: 635682-1-BLK LCS Sample Id: 635682-1-BKS LCSD Sample Id: 635682-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.753	50.0	56.0	112	54.2	108	75-145	3	20	ug/kg	03/25/13 06:51	
1,1,2,2-Tetrachloroethane	<1.19	50.0	51.1	102	51.2	102	78-120	0	20	ug/kg	03/25/13 06:51	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.11	50.0	63.2	126	54.0	108	54-173	16	20	ug/kg	03/25/13 06:51	
1,1,2-Trichloroethane	<0.670	50.0	52.3	105	51.5	103	81-115	2	20	ug/kg	03/25/13 06:51	
1,1-Dichloroethane	<0.802	50.0	52.9	106	52.1	104	73-131	2	20	ug/kg	03/25/13 06:51	
1,1-Dichloroethene	<1.16	50.0	56.4	113	54.1	108	67-144	4	20	ug/kg	03/25/13 06:51	
1,2,4-Trichlorobenzene	<0.873	50.0	63.3	127	53.1	106	61-170	18	20	ug/kg	03/25/13 06:51	
1,2-Dibromo-3-chloropropane (DBCP)	<1.62	50.0	59.3	119	55.2	110	62-146	7	20	ug/kg	03/25/13 06:51	
1,2-Dibromoethane (EDB)	<0.863	50.0	53.2	106	53.7	107	81-121	1	20	ug/kg	03/25/13 06:51	
1,2-Dichlorobenzene	<1.29	50.0	54.1	108	49.8	100	70-146	8	20	ug/kg	03/25/13 06:51	
1,2-Dichloroethane	<0.597	50.0	53.5	107	55.2	110	63-150	3	20	ug/kg	03/25/13 06:51	
1,2-Dichloropropane	<0.929	50.0	52.9	106	53.5	107	76-121	1	20	ug/kg	03/25/13 06:51	
1,3-Dichlorobenzene	<0.997	50.0	54.5	109	51.1	102	73-145	6	20	ug/kg	03/25/13 06:51	
1,4-Dichlorobenzene	<0.684	50.0	55.0	110	49.9	100	74-143	10	20	ug/kg	03/25/13 06:51	
1,4-Dioxane	<97.7	1000	964	96	852	85	33-138	12	20	ug/kg	03/25/13 06:51	
2-Butanone (MEK)	<9.11	100	109	109	111	111	44-158	2	20	ug/kg	03/25/13 06:51	
2-Hexanone	<1.13	100	113	113	111	111	59-154	2	20	ug/kg	03/25/13 06:51	
4-Methyl-2-pentanone (MIBK)	<3.23	100	108	108	114	114	65-132	5	20	ug/kg	03/25/13 06:51	
Acetone	<6.88	100	108	108	115	115	43-163	6	20	ug/kg	03/25/13 06:51	
Benzene	<0.513	50.0	53.8	108	53.0	106	82-121	1	20	ug/kg	03/25/13 06:51	
Bromodichloromethane	<0.501	50.0	54.2	108	55.1	110	80-135	2	20	ug/kg	03/25/13 06:51	
Bromoform	<0.959	50.0	55.6	111	58.2	116	71-135	5	20	ug/kg	03/25/13 06:51	
Bromomethane	<2.46	50.0	50.0	100	47.5	95	51-149	5	20	ug/kg	03/25/13 06:51	
Carbon disulfide	<1.46	50.0	54.7	109	50.6	101	57-151	8	20	ug/kg	03/25/13 06:51	
Carbon tetrachloride	<0.742	50.0	57.8	116	56.0	112	70-156	3	20	ug/kg	03/25/13 06:51	
Chlorobenzene	<0.579	50.0	54.4	109	50.6	101	76-131	7	20	ug/kg	03/25/13 06:51	
Chloroethane	<2.45	50.0	60.2	120	58.4	117	64-131	3	20	ug/kg	03/25/13 06:51	
Chloroform	<0.741	50.0	53.3	107	52.8	106	78-125	1	20	ug/kg	03/25/13 06:51	
Chloromethane	<2.30	50.0	41.9	84	40.5	81	59-127	3	20	ug/kg	03/25/13 06:51	
cis-1,2-Dichloroethene	<0.662	50.0	55.2	110	53.3	107	80-123	4	20	ug/kg	03/25/13 06:51	
cis-1,3-Dichloropropene	<0.539	50.0	56.1	112	56.2	112	87-123	0	20	ug/kg	03/25/13 06:51	
Cyclohexane	<0.945	50.0	52.6	105	46.7	93	58-164	12	20	ug/kg	03/25/13 06:51	
Dibromochloromethane	<0.994	50.0	54.6	109	53.7	107	81-136	2	20	ug/kg	03/25/13 06:51	
Dichlorodifluoromethane	<1.18	50.0	43.8	88	37.8	76	33-161	15	20	ug/kg	03/25/13 06:51	
Ethylbenzene	<0.565	50.0	55.9	112	51.4	103	84-129	8	20	ug/kg	03/25/13 06:51	
Isopropylbenzene	<0.759	50.0	55.5	111	52.6	105	65-153	5	20	ug/kg	03/25/13 06:51	
m,p-Xylenes	<1.21	100	111	111	103	103	75-141	7	20	ug/kg	03/25/13 06:51	
Methyl acetate	<0.946	50.0	42.4	85	54.3	109	45-155	25	20	ug/kg	03/25/13 06:51	F
Methyl tert-butyl ether	<0.693	100	103	103	105	105	70-131	2	20	ug/kg	03/25/13 06:51	
Methylcyclohexane	<1.09	50.0	61.1	122	56.2	112	39-185	8	20	ug/kg	03/25/13 06:51	
Methylene chloride	<2.17	50.0	56.6	113	56.7	113	65-137	0	20	ug/kg	03/25/13 06:51	
o-Xylene	<0.716	50.0	55.1	110	50.6	101	73-141	9	20	ug/kg	03/25/13 06:51	
Styrene	<0.742	50.0	55.3	111	52.3	105	82-129	6	20	ug/kg	03/25/13 06:51	
Tetrachloroethene	<1.04	50.0	58.8	118	52.8	106	78-144	11	20	ug/kg	03/25/13 06:51	
Toluene	<0.588	50.0	54.3	109	50.9	102	86-121	6	20	ug/kg	03/25/13 06:51	
trans-1,2-Dichloroethene	<0.780	50.0	56.8	114	53.6	107	72-132	6	20	ug/kg	03/25/13 06:51	
trans-1,3-Dichloropropene	<0.670	50.0	54.0	108	52.7	105	82-132	2	20	ug/kg	03/25/13 06:51	
Trichloroethene	<0.707	50.0	57.3	115	54.2	108	80-126	6	20	ug/kg	03/25/13 06:51	
Trichlorofluoromethane	<3.51	50.0	60.4	121	53.6	107	55-155	12	20	ug/kg	03/25/13 06:51	

AMEC E&I, Inc.

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 909932 Matrix: Solid Date Prep: 03/25/2013

MB Sample Id: 635682-1-BLK LCS Sample Id: 635682-1-BKS LCSD Sample Id: 635682-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Vinyl chloride	<2.01	50.0	53.2	106	47.1	94	70-130	12	20	ug/kg	03/25/13 06:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	101		96		100		50-150	%	03/25/13 06:51
4-Bromofluorobenzene	101		97		103		57-158	%	03/25/13 06:51
Toluene-D8	97		98		97		50-150	%	03/25/13 06:51

AMEC E&I, Inc.

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 909932 Matrix: Soil Date Prep: 03/25/2013

Parent Sample Id: 459815-019 MS Sample Id: 459815-019 S MSD Sample Id: 459815-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.000890	0.0591	0.0642	109	0.0685	117	62-137	6	20	mg/kg	03/25/13 16:27	
1,1,2,2-Tetrachloroethane	<0.00140	0.0591	0.0589	100	0.0531	91	64-128	10	20	mg/kg	03/25/13 16:27	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.00131	0.0591	0.0611	103	0.0699	120	33-177	13	20	mg/kg	03/25/13 16:27	
1,1,2-Trichloroethane	<0.000792	0.0591	0.0583	99	0.0545	93	61-130	7	20	mg/kg	03/25/13 16:27	
1,1-Dichloroethane	<0.000948	0.0591	0.0609	103	0.0633	109	65-136	4	20	mg/kg	03/25/13 16:27	
1,1-Dichloroethene	<0.00137	0.0591	0.0688	116	0.0711	122	33-158	3	20	mg/kg	03/25/13 16:27	
1,2,4-Trichlorobenzene	<0.00103	0.0591	0.0603	102	0.0575	99	43-139	5	20	mg/kg	03/25/13 16:27	
1,2-Dibromo-3-chloropropane (DBCP)	<0.00191	0.0591	0.0611	103	0.0562	96	51-130	8	20	mg/kg	03/25/13 16:27	
1,2-Dibromoethane (EDB)	<0.00102	0.0591	0.0587	99	0.0546	94	69-132	7	20	mg/kg	03/25/13 16:27	
1,2-Dichlorobenzene	<0.00152	0.0591	0.0584	99	0.0570	98	71-120	2	20	mg/kg	03/25/13 16:27	
1,2-Dichloroethane	<0.000706	0.0591	0.0588	99	0.0575	99	53-140	2	20	mg/kg	03/25/13 16:27	
1,2-Dichloropropane	<0.00110	0.0591	0.0587	99	0.0589	101	68-126	0	20	mg/kg	03/25/13 16:27	
1,3-Dichlorobenzene	<0.00118	0.0591	0.0618	105	0.0602	103	68-127	3	20	mg/kg	03/25/13 16:27	
1,4-Dichlorobenzene	<0.000809	0.0591	0.0611	103	0.0594	102	72-118	3	20	mg/kg	03/25/13 16:27	
1,4-Dioxane	<0.116	1.18	0.895	76	0.955	82	22-162	6	20	mg/kg	03/25/13 16:27	
2-Butanone (MEK)	<0.0108	0.118	0.117	99	0.110	94	42-147	6	20	mg/kg	03/25/13 16:27	
2-Hexanone	<0.00133	0.118	0.118	100	0.110	94	32-142	7	20	mg/kg	03/25/13 16:27	
4-Methyl-2-pentanone (MIBK)	<0.00382	0.118	0.120	102	0.117	100	34-149	3	20	mg/kg	03/25/13 16:27	
Acetone	<0.00813	0.118	0.102	86	0.102	87	43-163	0	20	mg/kg	03/25/13 16:27	
Benzene	<0.000606	0.0591	0.0608	103	0.0627	108	65-135	3	20	mg/kg	03/25/13 16:27	
Bromodichloromethane	<0.000592	0.0591	0.0601	102	0.0601	103	60-129	0	20	mg/kg	03/25/13 16:27	
Bromoform	<0.00113	0.0591	0.0643	109	0.0591	101	48-147	8	20	mg/kg	03/25/13 16:27	
Bromomethane	<0.00290	0.0591	0.0576	97	0.0591	101	42-170	3	20	mg/kg	03/25/13 16:27	
Carbon disulfide	<0.00172	0.0591	0.0631	107	0.0646	111	40-147	2	20	mg/kg	03/25/13 16:27	
Carbon tetrachloride	<0.000877	0.0591	0.0648	110	0.0700	120	54-148	8	20	mg/kg	03/25/13 16:27	
Chlorobenzene	<0.000684	0.0591	0.0602	102	0.0599	103	71-117	0	20	mg/kg	03/25/13 16:27	
Chloroethane	<0.00289	0.0591	0.0626	106	0.0594	102	44-166	5	20	mg/kg	03/25/13 16:27	
Chloroform	<0.000876	0.0591	0.0604	102	0.0623	107	62-127	3	20	mg/kg	03/25/13 16:27	
Chloromethane	<0.00272	0.0591	0.0493	83	0.0478	82	34-157	3	20	mg/kg	03/25/13 16:27	
cis-1,2-Dichloroethene	<0.000783	0.0591	0.0616	104	0.0637	109	41-155	3	20	mg/kg	03/25/13 16:27	
cis-1,3-Dichloropropene	<0.000637	0.0591	0.0614	104	0.0600	103	63-128	2	20	mg/kg	03/25/13 16:27	
Cyclohexane	<0.00112	0.0591	0.0688	116	0.0723	124	53-145	5	20	mg/kg	03/25/13 16:27	
Dibromochloromethane	<0.00118	0.0591	0.0597	101	0.0570	98	59-135	5	20	mg/kg	03/25/13 16:27	
Dichlorodifluoromethane	<0.00139	0.0591	0.0439	74	0.0442	76	16-171	1	20	mg/kg	03/25/13 16:27	
Ethylbenzene	<0.000668	0.0591	0.0625	106	0.0634	109	65-139	1	20	mg/kg	03/25/13 16:27	
Isopropylbenzene	<0.000897	0.0591	0.0661	112	0.0659	113	62-133	0	20	mg/kg	03/25/13 16:27	
m,p-Xylenes	<0.00143	0.118	0.126	107	0.127	109	69-130	1	20	mg/kg	03/25/13 16:27	
Methyl acetate	<0.00112	0.0591	0.0551	93	0.0684	117	20-170	22	20	mg/kg	03/25/13 16:27	F
Methyl tert-butyl ether	<0.000819	0.118	0.111	94	0.110	94	48-169	1	20	mg/kg	03/25/13 16:27	
Methylcyclohexane	<0.00129	0.0591	0.0670	113	0.0709	122	57-149	6	20	mg/kg	03/25/13 16:27	
Methylene chloride	<0.00256	0.0591	0.0621	105	0.0656	113	17-184	5	20	mg/kg	03/25/13 16:27	
o-Xylene	<0.000846	0.0591	0.0615	104	0.0620	106	71-124	1	20	mg/kg	03/25/13 16:27	
Styrene	<0.000877	0.0591	0.0613	104	0.0605	104	50-143	1	20	mg/kg	03/25/13 16:27	
Tetrachloroethene	<0.00122	0.0591	0.0657	111	0.0676	116	42-156	3	20	mg/kg	03/25/13 16:27	
Toluene	<0.000695	0.0591	0.0612	104	0.0619	106	65-128	1	20	mg/kg	03/25/13 16:27	
trans-1,2-Dichloroethene	<0.000922	0.0591	0.0653	110	0.0683	117	57-143	4	20	mg/kg	03/25/13 16:27	
trans-1,3-Dichloropropene	<0.000792	0.0591	0.0595	101	0.0566	97	55-141	5	20	mg/kg	03/25/13 16:27	
Trichloroethene	<0.000836	0.0591	0.0654	111	0.0670	115	39-150	2	20	mg/kg	03/25/13 16:27	
Trichlorofluoromethane	<0.00415	0.0591	0.0658	111	0.0720	123	34-179	9	20	mg/kg	03/25/13 16:27	

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 909932 Matrix: Soil Date Prep: 03/25/2013

Parent Sample Id: 459815-019 MS Sample Id: 459815-019 S MSD Sample Id: 459815-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Vinyl chloride	<0.00237	0.0591	0.0550	93	0.0619	106	40-161	12	20	mg/kg	03/25/13 16:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	93		93		50-150	%	03/25/13 16:27
4-Bromofluorobenzene	104		101		57-158	%	03/25/13 16:27
Toluene-D8	98		97		50-150	%	03/25/13 16:27

CHAIN OF CUSTODY RECORD

Lab W.O 459815

Field Billable Hrs:

XENCO Laboratories
Environmental Asbestos Radiochemistry
xenco.com
Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800
Boca Raton: 3231 NW 7th Ave, Boca Raton, FL 33431 561-447-7373
Miami: 14100 Palmetto Frontage Rd. Miami Lakes, FL 33016 305-823-8500
Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022
Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000

*** Container Type Codes**

VA	Vial Amber	ES	Encore Sampler
VC	Vial Clear	TS	TerraCore Sampler
VP	Vial Pre-preserved	AC	Air Canister
GA	Glass Amber	TB	Tedlar Bag
GC	Glass Clear	ZB	Zip Lock Bag
PA	Plastic Amber	PC	Plastic Clear

Other ____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz , 1Gal 40ml, 125 ml, 250 ml, 500 ml, 1L, Other ____
Example: 4ozGC = 4oz Glass Clear 40mlVP = 40ml Vial Pre-preserved

Company:	AMEC
Address:	396 Plasters Ave
City:	Atlanta
State:	GA
Zip:	30324
PM/Attn:	Tyler Boyle
Phone:	404 817 0153
email:	SAA
Fax:	404 817 0183
Project Name:	139 Brampton Road
Project ID:	6121 09 0220
Sampler Signature:	
PO #	
Quote #	

TAT Work Days = D Need results by: ____ Time: ____

Std (5-10D) 6Hrs 1D 2D 3D 4D (5D) 7D 10D 14D Other ____

Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

ANALYSES REQUESTED

**** Preservative Type Codes**

A. None	E. HCl	I. Ice
B. HNO_3	F. MeOH	J. MCAA
C. H_2SO_4	G. $Na_2S_2O_3$	K. ZnAc&NaOH
D. NaOH	H. $NaHSO_4$	L. Asbc Acid&NaOH

O. ____

^ Matrix Type Codes

GW	Ground Water	S	Soil/Sediment/Solid
WW	Waste Water	W	Wipe
DW	Drinking Water	A	Air
SW	Surface Water	O	Oil
OW	Ocean/Sea Water	T	Tissue
PL	Product-Liquid	U	Urine
PS	Product-Solid	B	Blood
SL	Sludge		

Other ____

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Composite or Grab	Field Filtered	Total # of containers	# Cont	Lab Only	Cont Type *	Pres Type**	LEAD	Hold Sample (CALL Additions:	REMARKS
										6C	1			
1	GP-27-1'	3/19/13	1010	SO	G	NA	1		X			X		
2	GP-27-2'		1012				1		X			X	X	HOLD
3	GP-28-1'		1040				1		X			X		
4	GP-28-2'		1042				1		X			X	X	HOLD
5	GP-29-1'		1105				1		X			X		
6	GP-29-2'		1107				1		X			X	X	HOLD
7	GP-30-1'		1202				1		X			X		
8	GP-30-2'		1204				1		X			X	X	HOLD
9	GP-31-1'		1355				1		X			X		
10	GP-31-2'	3/19/13	1357	SO	G	NA	1		X			X	X	HOLD

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL IL Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADaPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1. 2. 3.

	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1		AMEC	3/21/13	1238		AMEC	3/21/13	1238
2		AMEC	3/21/13	1306	David Lagmas		3/21/13	1306
3								
4								

Lab Use Only	YES	NO	N/A
Non-Conformances found?			
Samples intact upon arrival?			
Received on Wet Ice?			
Labeled with proper preservatives?			
Received within holding time?			
Custody seals intact?			
VOCs rec'd w/o headspace?			
Proper containers used?			
pH verified-acceptable, excl VOCs?			
Received on time to meet HTs?			

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C.O.C. Serial # 288156

CHAIN OF CUSTODY RECORD

Lab W.O 459815

Field Billable Hrs:

XENCO Laboratories
Environmental Asbestos Radiochemistry
xenco.com

Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800
Boca Raton: 3231 NW 7th Ave. Boca Raton, FL 33431 561-447-7373
Miami: 14100 Palmetto Frontage Rd. Miami Lakes, FL 33016 305-823-8500
Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022
Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000

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PA	Plastic Amber	PC	Plastic Clear

Other _____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz , 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other _____
Example: 4ozGC = 4oz Glass Clear
40mlVP = 40ml Vial Pre-preserved

Company:	AMEC
Address:	396 Plasters Ave
City:	Atlanta
State:	GA
Zip:	30324
PM/Attn:	Tyler Boyle
Phone:	404 817 0153
email:	SAA
Fax:	404 817 0183
Project Name:	139 Brumby Rd
Project ID:	6121 09 0220
Sampler Signature:	
PO #	
Quote #	

TAT Work Days = D Need results by: _____ Time: _____

Std (5-10D) 6Hrs 1D 2D 3D 4D (5D) 7D 10D 14D Other _____

Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

ANALYSES REQUESTED

**** Preservative Type Codes**

A. None E. HCL I. Ice
B. HNO_3 F. MeOH J. MCAA
C. H_2SO_4 G. $Na_2S_2O_3$ K. ZnAc&NaOH
D. NaOH H. $NaHSO_4$ L. Asbc Acid&NaOH
O. _____

^ Matrix Type Codes

GW	Ground Water	S	Soil/Sediment/Solid
WW	Waste Water	W	Wipe
DW	Drinking Water	A	Air
SW	Surface Water	O	Oil
OW	Ocean/Sea Water	T	Tissue
PL	Product-Liquid	U	Urine
PS	Product-Solid	B	Blood
SL	Sludge		

Other _____

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Composite or Grab	Field Filtered	Total # of containers	# Cont	Lab Only	Cont Type *	Pres Type**	VOC	Lead								Hold Sample (CALL) Additions:	REMARKS
												VP	GL									
												F, H, I	TB A I									
1	GP-32-1-2'	3/19/13	1433	SO	G	NA	4		X			X										
2	GP-32-3-4'		1435				4		X				X									HOLD
3	GP-33-1'		1530				1					X										
4	GP-33-2'		1535				1						X									HOLD
5	GP-34-2-3'		1600				4		X			X										
6	GP-34-3-5'		1602				4		X				X									HOLD
7	GP-35-2-3'		1627				4		X			X										
8	GP-35-3-5'		1631				4		X				X									HOLD
9	GP-36-2-3'		1704				4		X			X										
10	GP-36-3-5'	3/19/13	1706	SO	G	NA	4		X				X									HOLD

Reg. Program / Clean-up Std: CTLs TRRP DW NPDES LPST DryCln Other:

STATE for Certs & Regs: FL TX GA NC SC NJ PA OK LA AL IL Other:

QA/QC Level & Certification: 1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:

EDDs: ADaPT SEDD ERPIMS XLS Other:

COC & Labels: Match Incomplete Absent Unclear

Coolers Temp °C: 1. 2. 3.

	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1		AMEC	3/21/13	1238		AMEC	3/21/13	1238
2		AMEC	3/21/13	1306	Dennis Lagmas		3/21/13	13:06
3								
4								

Lab Use Only	YES	NO	N/A
Non-Conformances found?			
Samples intact upon arrival?			
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Received within holding time?			
Custody seals intact?			
VOCs rec'd w/o headspace?			
Proper containers used?			
pH verified-acceptable, excl VOCs?			
Received on time to meet HTs?			

FTS: Philadelphia 610-955-5649 South Carolina 803-543-8099 B&A Laboratories: Corpus Christi 361-884-0371 Dallas 214-902-0300 Houston 281-240-4200 Odessa 432-563-1800 San Antonio 210-509-3334

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C.O.C. Serial #
288157

CHAIN OF CUSTODY RECORD

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Environmental Asbestos Radiochemistry
xenco.com
Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800
Boca Raton: 3231 NW 7th Ave, Boca Raton, FL 33431 561-447-7373
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Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022
Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000

Lab W.O 459815

Field Billable Hrs:

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VP	Vial Pre-preserved	AC	Air Canister
GA	Glass Amber	TB	Tedlar Bag
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Other ____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz , 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other ____
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Company: AMEC
Address: 396 Plasters Ave
City: Atlanta State: GA Zip: 30324
PM/Attn: Tyler Boyki
email: SAA
Phone: 404 817 0153
Fax: 404 817 0183
Project Name: 139 Brumpta Road
Project ID: 6121 09 0220
Sampler Signature:
PO #
Quote #

TAT Work Days = D Need results by: ____ Time: ____
Std (5-10D) 6Hrs 1D 2D 3D 4D (5D) 7D 10D 14D Other ____

Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

ANALYSES REQUESTED

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D. NaOH H. $NaHSO_4$ L Asbc Acid&NaOH
O. ____

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WW	Waste Water	W	Wipe
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OW	Ocean/Sea Water	T	Tissue
PL	Product-Liquid	U	Urine
PS	Product-Solid	B	Blood
SL	Sludge		

Other ____

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Composite or Grab	Field Filtered	Total # of containers	Cont Type *	Pres Type**	VOCs	VOCs	Lead							Hold Sample (CALL) Additions:	# Cont	Lab Only:	REMARKS
										VP	VP	GC										
										F,H,I	E,I	I										
1	GP-37-1'	3/19/13	1715	SO	G	NA	1				X											
2	GP-37-2'		1717				1				X								X			HOLD
3	GP-38-1'		1745				1				X											
4	GP-38-2'		1747				1				X								X			HOLD
5	DUP-1	↓	1745	↓			1				X											
6	DUP-2	3/19/13	1649	SO			4			X												
7	GW-9	3/20/13	1050	GW	↓	↓	2					X										
8	EW-3	3/20/13	1256	GW	G	NA	2					X										
9	TRIP BLANK																					
10	GP-32-1'	3/19/13	1931	SO	G	NA	1				X											

Reg. Program / Clean-up Std
CTLs TRRP DW NPDES LPST DryCln
Other:

STATE for Certs & Regs
FL TX GA NC SC NJ PA
OK LA AL IL Other:

QA/QC Level & Certification
1 2 3 4 CLP AFCEE QAPP
NELAC DoD-ELAP Other:

EDDs
ADaPT SEDD ERPIMS
XLS Other:

COC & Labels
Match Incomplete
Absent Unclear

Coolers Temp °C
1. 2. 3.

	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1		AMEC	3/21/13	1238		AMEC	3/21/13	1238
2		AMEC	3/21/13	1306	Dario Lagmas		3/21/13	13:06
3								
4								

Lab Use Only	YES	NO	N/A
Non-Conformances found?			
Samples intact upon arrival?			
Received on Wet Ice?			
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C.O.C. Serial # 288158

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: AMEC E&I, Inc.

Date/ Time Received: 03/21/2013 01:06:00 PM

Work Order #: 459815

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:	PH Device/Lot#:

Checklist completed by: Dijana Piljak
Dijana Piljak
Date: 03/25/2013

Checklist reviewed by: Dijana Piljak
Dijana Piljak
Date: 03/25/2013

Analytical Report 479399

for

AMEC Environment & Infrastructure, Inc.

Project Manager: Tyler Boyles

139 Brampton Road

6121090220

20-FEB-14

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-16-TX), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

20-FEB-14

Project Manager: **Tyler Boyles**
AMEC Environment & Infrastructure, Inc.
396 Plasters Ave
Atlanta, GA 30324

Reference: XENCO Report No(s): **479399**
139 Brampton Road
Project Address: Atlanta, GA

Tyler Boyles:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 479399. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 479399 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Eben D. Buchanan, Jr.

Eben Buchanan
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EW-6	S	02-11-14 10:30		479399-001
EW-4	W	02-12-14 12:55		479399-002
EW-5	W	02-12-14 09:33		479399-003
EW-6	W	02-12-14 10:28		479399-004
EW-7	W	02-12-14 11:46		479399-005
GW-4	W	02-13-14 09:28		479399-006
GW-5	W	02-13-14 10:30		479399-007
GW-7	W	02-13-14 13:35		479399-008
GW-10	W	02-13-14 12:15		479399-009
HA-NS-01-1'	S	02-13-14 15:20	1 ft	479399-010
HA-NS-02-1'	S	02-13-14 15:07	1 ft	479399-013
Trip Blank	W	02-13-14 00:00		479399-016
HA-NS-01-2'	S	02-13-14 15:24	2 ft	Not Analyzed
HA-NS-01-3'	S	02-13-14 15:30	3 ft	Not Analyzed
HA-NS-02-2'	S	02-13-14 15:10	2 ft	Not Analyzed
HA-NS-02-3'	S	02-13-14 15:13	3 ft	Not Analyzed

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-934338 Xylenes by SW-846 8260B
Batch 934338,
2-Hexanone recovered above QC limits in the Matrix Spike. Bromoform recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate.
The Laboratory Control Sample for Bromoform is within laboratory Control Limits.
2-Hexanone recovered above QC limits in the Blank Spike and Duplicate.
2-Hexanone was not detected in any of the associated samples.

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-6** Matrix: Soil Date Received:02.14.14 14.20

Lab Sample Id: 479399-001 Date Collected: 02.11.14 10.30

Analytical Method: TOC in Soils by Walkley Black

Tech: DHE % Moisture: 39.94

Analyst: DHE Basis: Dry Weight

Seq Number: 934339 SUB: E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	BRL	0.833	mg/kg	02.19.14 13.49	U	1

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-4** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-002 Date Collected: 02.12.14 12.55

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	02.18.14 14.03	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	02.18.14 14.03	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	02.18.14 14.03	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	02.18.14 14.03	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	02.18.14 14.03	U	1
Acetone	67-64-1	BRL	2.00	ug/L	02.18.14 14.03	U	1
Benzene	71-43-2	BRL	1.00	ug/L	02.18.14 14.03	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	02.18.14 14.03	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	02.18.14 14.03	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	02.18.14 14.03	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	02.18.14 14.03	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	02.18.14 14.03	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	02.18.14 14.03	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	02.18.14 14.03	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	02.18.14 14.03	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	02.18.14 14.03	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	02.18.14 14.03	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	02.18.14 14.03	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	02.18.14 14.03	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	02.18.14 14.03	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	02.18.14 14.03	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	02.18.14 14.03	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	02.18.14 14.03	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	02.18.14 14.03	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	02.18.14 14.03	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	02.18.14 14.03	U	1

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-4** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-002 Date Collected: 02.12.14 12.55

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	02.18.14 14.03	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	02.18.14 14.03	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	02.18.14 14.03	U	1
Styrene	100-42-5	BRL	1.00	ug/L	02.18.14 14.03	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	02.18.14 14.03	U	1
Toluene	108-88-3	BRL	1.00	ug/L	02.18.14 14.03	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	02.18.14 14.03	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	02.18.14 14.03	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	02.18.14 14.03	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	02.18.14 14.03	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	02.18.14 14.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	02.18.14 14.03	
4-Bromofluorobenzene	460-00-4	104	%	30-186	02.18.14 14.03	
Toluene-D8	2037-26-5	112	%	70-130	02.18.14 14.03	

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-5** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-003 Date Collected: 02.12.14 09.33

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	02.18.14 14.30	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	02.18.14 14.30	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	02.18.14 14.30	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	02.18.14 14.30	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	02.18.14 14.30	U	1
Acetone	67-64-1	BRL	2.00	ug/L	02.18.14 14.30	U	1
Benzene	71-43-2	BRL	1.00	ug/L	02.18.14 14.30	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	02.18.14 14.30	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	02.18.14 14.30	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	02.18.14 14.30	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	02.18.14 14.30	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	02.18.14 14.30	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	02.18.14 14.30	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	02.18.14 14.30	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	02.18.14 14.30	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	02.18.14 14.30	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	02.18.14 14.30	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	02.18.14 14.30	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	02.18.14 14.30	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	02.18.14 14.30	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	02.18.14 14.30	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	02.18.14 14.30	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	02.18.14 14.30	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	02.18.14 14.30	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	02.18.14 14.30	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	02.18.14 14.30	U	1

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-5** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-003 Date Collected: 02.12.14 09.33

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	02.18.14 14.30	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	02.18.14 14.30	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	02.18.14 14.30	U	1
Styrene	100-42-5	BRL	1.00	ug/L	02.18.14 14.30	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	02.18.14 14.30	U	1
Toluene	108-88-3	BRL	1.00	ug/L	02.18.14 14.30	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	02.18.14 14.30	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	02.18.14 14.30	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	02.18.14 14.30	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	02.18.14 14.30	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	02.18.14 14.30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	103	%	53-159	02.18.14 14.30	
4-Bromofluorobenzene	460-00-4	102	%	30-186	02.18.14 14.30	
Toluene-D8	2037-26-5	111	%	70-130	02.18.14 14.30	

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-6** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-004 Date Collected: 02.12.14 10.28

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,1-Dichloroethane	75-34-3	**2.16**	1.00	ug/L	02.18.14 14.57		1
1,1-Dichloroethene	75-35-4	**2.82**	1.00	ug/L	02.18.14 14.57		1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	02.18.14 14.57	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	02.18.14 14.57	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	02.18.14 14.57	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	02.18.14 14.57	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	02.18.14 14.57	U	1
Acetone	67-64-1	BRL	2.00	ug/L	02.18.14 14.57	U	1
Benzene	71-43-2	BRL	1.00	ug/L	02.18.14 14.57	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	02.18.14 14.57	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	02.18.14 14.57	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	02.18.14 14.57	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	02.18.14 14.57	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	02.18.14 14.57	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	02.18.14 14.57	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	02.18.14 14.57	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	02.18.14 14.57	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	02.18.14 14.57	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	02.18.14 14.57	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	02.18.14 14.57	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	02.18.14 14.57	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	02.18.14 14.57	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	02.18.14 14.57	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	02.18.14 14.57	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	02.18.14 14.57	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	02.18.14 14.57	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	02.18.14 14.57	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	02.18.14 14.57	U	1

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-6** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-004 Date Collected: 02.12.14 10.28

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	02.18.14 14.57	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	02.18.14 14.57	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	02.18.14 14.57	U	1
Styrene	100-42-5	BRL	1.00	ug/L	02.18.14 14.57	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	02.18.14 14.57	U	1
Toluene	108-88-3	BRL	1.00	ug/L	02.18.14 14.57	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	02.18.14 14.57	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	02.18.14 14.57	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	02.18.14 14.57	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	02.18.14 14.57	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	02.18.14 14.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	02.18.14 14.57	
4-Bromofluorobenzene	460-00-4	105	%	30-186	02.18.14 14.57	
Toluene-D8	2037-26-5	110	%	70-130	02.18.14 14.57	

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-7** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-005 Date Collected: 02.12.14 11.46

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,1-Dichloroethane	75-34-3	**3.72**	1.00	ug/L	02.18.14 15.24		1
1,1-Dichloroethene	75-35-4	**10.7**	1.00	ug/L	02.18.14 15.24		1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	02.18.14 15.24	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	02.18.14 15.24	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	02.18.14 15.24	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	02.18.14 15.24	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	02.18.14 15.24	U	1
Acetone	67-64-1	BRL	2.00	ug/L	02.18.14 15.24	U	1
Benzene	71-43-2	BRL	1.00	ug/L	02.18.14 15.24	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	02.18.14 15.24	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	02.18.14 15.24	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	02.18.14 15.24	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	02.18.14 15.24	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	02.18.14 15.24	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	02.18.14 15.24	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	02.18.14 15.24	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	02.18.14 15.24	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	02.18.14 15.24	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	02.18.14 15.24	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	02.18.14 15.24	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	02.18.14 15.24	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	02.18.14 15.24	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	02.18.14 15.24	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	02.18.14 15.24	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	02.18.14 15.24	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	02.18.14 15.24	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	02.18.14 15.24	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	02.18.14 15.24	U	1

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **EW-7** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-005 Date Collected: 02.12.14 11.46

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	02.18.14 15.24	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	02.18.14 15.24	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	02.18.14 15.24	U	1
Styrene	100-42-5	BRL	1.00	ug/L	02.18.14 15.24	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	02.18.14 15.24	U	1
Toluene	108-88-3	BRL	1.00	ug/L	02.18.14 15.24	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	02.18.14 15.24	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	02.18.14 15.24	U	1
Trichloroethene	79-01-6	**4.34**	1.00	ug/L	02.18.14 15.24		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	02.18.14 15.24	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	02.18.14 15.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	103	%	53-159	02.18.14 15.24	
4-Bromofluorobenzene	460-00-4	103	%	30-186	02.18.14 15.24	
Toluene-D8	2037-26-5	110	%	70-130	02.18.14 15.24	

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GW-4** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-006 Date Collected: 02.13.14 09.28

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	02.18.14 15.51	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	02.18.14 15.51	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	02.18.14 15.51	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	02.18.14 15.51	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	02.18.14 15.51	U	1
Acetone	67-64-1	BRL	2.00	ug/L	02.18.14 15.51	U	1
Benzene	71-43-2	BRL	1.00	ug/L	02.18.14 15.51	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	02.18.14 15.51	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	02.18.14 15.51	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	02.18.14 15.51	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	02.18.14 15.51	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	02.18.14 15.51	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	02.18.14 15.51	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	02.18.14 15.51	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	02.18.14 15.51	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	02.18.14 15.51	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	02.18.14 15.51	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	02.18.14 15.51	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	02.18.14 15.51	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	02.18.14 15.51	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	02.18.14 15.51	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	02.18.14 15.51	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	02.18.14 15.51	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	02.18.14 15.51	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	02.18.14 15.51	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	02.18.14 15.51	U	1

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: **GW-4** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-006 Date Collected: 02.13.14 09.28

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	02.18.14 15.51	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	02.18.14 15.51	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	02.18.14 15.51	U	1
Styrene	100-42-5	BRL	1.00	ug/L	02.18.14 15.51	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	02.18.14 15.51	U	1
Toluene	108-88-3	BRL	1.00	ug/L	02.18.14 15.51	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	02.18.14 15.51	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	02.18.14 15.51	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	02.18.14 15.51	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	02.18.14 15.51	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	02.18.14 15.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	105	%	53-159	02.18.14 15.51	
4-Bromofluorobenzene	460-00-4	104	%	30-186	02.18.14 15.51	
Toluene-D8	2037-26-5	111	%	70-130	02.18.14 15.51	

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

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Sample Id: **GW-5** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-007 Date Collected: 02.13.14 10.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	02.18.14 16.18	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	02.18.14 16.18	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	02.18.14 16.18	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	02.18.14 16.18	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	02.18.14 16.18	U	1
Acetone	67-64-1	BRL	2.00	ug/L	02.18.14 16.18	U	1
Benzene	71-43-2	BRL	1.00	ug/L	02.18.14 16.18	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	02.18.14 16.18	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	02.18.14 16.18	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	02.18.14 16.18	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	02.18.14 16.18	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	02.18.14 16.18	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	02.18.14 16.18	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	02.18.14 16.18	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	02.18.14 16.18	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	02.18.14 16.18	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	02.18.14 16.18	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	02.18.14 16.18	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	02.18.14 16.18	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	02.18.14 16.18	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	02.18.14 16.18	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	02.18.14 16.18	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	02.18.14 16.18	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	02.18.14 16.18	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	02.18.14 16.18	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	02.18.14 16.18	U	1

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

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Sample Id: **GW-5** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-007 Date Collected: 02.13.14 10.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	02.18.14 16.18	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	02.18.14 16.18	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	02.18.14 16.18	U	1
Styrene	100-42-5	BRL	1.00	ug/L	02.18.14 16.18	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	02.18.14 16.18	U	1
Toluene	108-88-3	BRL	1.00	ug/L	02.18.14 16.18	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	02.18.14 16.18	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	02.18.14 16.18	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	02.18.14 16.18	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	02.18.14 16.18	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	02.18.14 16.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	02.18.14 16.18	
4-Bromofluorobenzene	460-00-4	104	%	30-186	02.18.14 16.18	
Toluene-D8	2037-26-5	111	%	70-130	02.18.14 16.18	

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

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Sample Id: **GW-7** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-008 Date Collected: 02.13.14 13.35

Analytical Method: Xylenes by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	02.18.14 16.45	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	02.18.14 16.45	U	1
Xylenes, Total	1330-20-7	BRL	1	ug/L	02.18.14 16.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	02.18.14 16.45	
4-Bromofluorobenzene	460-00-4	103	%	30-186	02.18.14 16.45	
Toluene-D8	2037-26-5	111	%	70-130	02.18.14 16.45	

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Sample Id: **GW-10** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-009 Date Collected: 02.13.14 12.15

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	02.18.14 17.12	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	02.18.14 17.12	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	02.18.14 17.12	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	02.18.14 17.12	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	02.18.14 17.12	U	1
Acetone	67-64-1	BRL	2.00	ug/L	02.18.14 17.12	U	1
Benzene	71-43-2	BRL	1.00	ug/L	02.18.14 17.12	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	02.18.14 17.12	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	02.18.14 17.12	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	02.18.14 17.12	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	02.18.14 17.12	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	02.18.14 17.12	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	02.18.14 17.12	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	02.18.14 17.12	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	02.18.14 17.12	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	02.18.14 17.12	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	02.18.14 17.12	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	02.18.14 17.12	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	02.18.14 17.12	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	02.18.14 17.12	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	02.18.14 17.12	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	02.18.14 17.12	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	02.18.14 17.12	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	02.18.14 17.12	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	02.18.14 17.12	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	02.18.14 17.12	U	1

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Sample Id: **GW-10** Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-009 Date Collected: 02.13.14 12.15

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	02.18.14 17.12	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	02.18.14 17.12	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	02.18.14 17.12	U	1
Styrene	100-42-5	BRL	1.00	ug/L	02.18.14 17.12	U	1
Tetrachloroethene	127-18-4	**1.17**	1.00	ug/L	02.18.14 17.12		1
Toluene	108-88-3	BRL	1.00	ug/L	02.18.14 17.12	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	02.18.14 17.12	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	02.18.14 17.12	U	1
Trichloroethene	79-01-6	**2.55**	1.00	ug/L	02.18.14 17.12		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	02.18.14 17.12	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	02.18.14 17.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	02.18.14 17.12	
4-Bromofluorobenzene	460-00-4	105	%	30-186	02.18.14 17.12	
Toluene-D8	2037-26-5	110	%	70-130	02.18.14 17.12	

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Sample Id:	**HA-NS-01-1'**	Matrix:	Soil	Date Received:	02.14.14 14.20
Lab Sample Id:	479399-010	Date Collected:	02.13.14 15.20	Sample Depth:	1 ft
Analytical Method:	Metals, Total by SW846 6010C			Prep Method:	SW3050B
Tech:	JDR			% Moisture:	16.9
Analyst:	4150	Date Prep:	02.18.14 08.34	Basis:	Dry Weight
Seq Number:	934418				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**10.5**	5.90	mg/kg	02.19.14 14.18		1

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

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Sample Id:	**HA-NS-02-1'**	Matrix:	Soil	Date Received:	02.14.14 14.20
Lab Sample Id:	479399-013	Date Collected:	02.13.14 15.07	Sample Depth:	1 ft
Analytical Method:	Metals, Total by SW846 6010C			Prep Method:	SW3050B
Tech:	JDR			% Moisture:	16.47
Analyst:	4150	Date Prep:	02.18.14 08.34	Basis:	Dry Weight
Seq Number:	934418				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Lead	7439-92-1	**13.5**	5.76	mg/kg	02.19.14 14.06		1

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

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Sample Id: **Trip Blank** Matrix: Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-016 Date Collected: 02.13.14 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	02.18.14 13.35	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	02.18.14 13.35	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	02.18.14 13.35	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	02.18.14 13.35	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	02.18.14 13.35	U	1
Acetone	67-64-1	BRL	2.00	ug/L	02.18.14 13.35	U	1
Benzene	71-43-2	BRL	1.00	ug/L	02.18.14 13.35	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	02.18.14 13.35	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	02.18.14 13.35	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	02.18.14 13.35	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	02.18.14 13.35	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	02.18.14 13.35	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	02.18.14 13.35	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	02.18.14 13.35	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	02.18.14 13.35	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	02.18.14 13.35	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	02.18.14 13.35	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	02.18.14 13.35	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	02.18.14 13.35	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	02.18.14 13.35	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	02.18.14 13.35	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	02.18.14 13.35	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	02.18.14 13.35	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	02.18.14 13.35	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	02.18.14 13.35	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	02.18.14 13.35	U	1

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AMEC Environment & Infrastructure, Inc., Atlanta, GA

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Sample Id: **Trip Blank** Matrix: Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-016 Date Collected: 02.13.14 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Seq Number: 934338

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	02.18.14 13.35	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	02.18.14 13.35	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	02.18.14 13.35	U	1
Styrene	100-42-5	BRL	1.00	ug/L	02.18.14 13.35	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	02.18.14 13.35	U	1
Toluene	108-88-3	BRL	1.00	ug/L	02.18.14 13.35	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	02.18.14 13.35	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	02.18.14 13.35	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	02.18.14 13.35	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	02.18.14 13.35	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	02.18.14 13.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	103	%	53-159	02.18.14 13.35	
4-Bromofluorobenzene	460-00-4	103	%	30-186	02.18.14 13.35	
Toluene-D8	2037-26-5	113	%	70-130	02.18.14 13.35	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

AMEC Environment & Infrastructure, Inc.

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Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B
Seq Number: 934418 Matrix: Solid Date Prep: 02.18.14
MB Sample Id: 651157-1-BLK LCS Sample Id: 651157-1-BKS LCSD Sample Id: 651157-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Lead	<0.279	100	94.4	94	93.5	94	75-125	1	20	mg/kg	02.19.14 14:02	

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B
Seq Number: 934418 Matrix: Soil Date Prep: 02.18.14
Parent Sample Id: 479399-013 MD Sample Id: 479399-013 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Lead	13.5	12.7	6	20	mg/kg	02.19.14 14:08	

Analytical Method: **Metals, Total by SW846 6010C** Prep Method: SW3050B
Seq Number: 934418 Matrix: Soil Date Prep: 02.18.14
Parent Sample Id: 479399-013 MS Sample Id: 479399-013 S MSD Sample Id: 479399-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Lead	13.5	117	124	94	121	90	75-125	2	20	mg/kg	02.19.14 14:10	

Analytical Method: **Percent Moisture**
Seq Number: 934210 Matrix: Soil
Parent Sample Id: 479435-001 MD Sample Id: 479435-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	20.8	21.4	3	20	%	02.17.14 16:15	

Analytical Method: **Percent Moisture**
Seq Number: 934210 Matrix: Soil
Parent Sample Id: 479435-011 MD Sample Id: 479435-011 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	13.4	13.0	3	20	%	02.17.14 16:15	

Analytical Method: **Percent Moisture**
Seq Number: 934210 Matrix: Soil
Parent Sample Id: 479435-021 MD Sample Id: 479435-021 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	12.4	12.4	0	20	%	02.17.14 16:15	

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Analytical Method: **TOC in Soils by Walkley Black**

Seq Number: 934339 Matrix: Solid

MB Sample Id: 934339-1-BLK LCS Sample Id: 934339-1-BKS LCSD Sample Id: 934339-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Total Organic Carbon	<0.250	20000	20900	105	20100	101	70-130	4	30	mg/kg	02.19.14 13:49	

Analytical Method: **TOC in Soils by Walkley Black**

Seq Number: 934339 Matrix: Solid

Parent Sample Id: 479195-008 MD Sample Id: 479195-008 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Total Organic Carbon	27900	26300	6	30	mg/kg	02.19.14 13:49	

AMEC Environment & Infrastructure, Inc.

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Analytical Method: **Xylenes by SW-846 8260B** Prep Method: SW5030B
Seq Number: 934338 Matrix: Water Date Prep: 02.18.14
MB Sample Id: 651257-1-BLK LCS Sample Id: 651257-1-BKS LCSD Sample Id: 651257-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	40.8	82	43.3	87	65-130	6	20	ug/L	02.18.14 10:25	
1,1,2,2-Tetrachloroethane	<0.180	50.0	62.7	125	64.6	129	65-130	3	20	ug/L	02.18.14 10:25	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	46.8	94	46.3	93	65-130	1	20	ug/L	02.18.14 10:25	
1,1,2-Trichloroethane	<0.250	50.0	56.4	113	57.3	115	75-125	2	20	ug/L	02.18.14 10:25	
1,1-Dichloroethane	<0.110	50.0	47.2	94	46.7	93	70-135	1	20	ug/L	02.18.14 10:25	
1,1-Dichloroethene	<0.200	50.0	46.6	93	46.2	92	70-130	1	20	ug/L	02.18.14 10:25	
1,2,4-Trichlorobenzene	<0.170	50.0	57.1	114	57.6	115	65-135	1	20	ug/L	02.18.14 10:25	
1,2-Dibromo-3-Chloropropane	<0.190	50.0	61.2	122	63.1	126	50-130	3	20	ug/L	02.18.14 10:25	
1,2-Dibromoethane	<0.180	50.0	56.5	113	57.5	115	80-120	2	20	ug/L	02.18.14 10:25	
1,2-Dichlorobenzene	<0.140	50.0	55.2	110	56.0	112	70-120	1	20	ug/L	02.18.14 10:25	
1,2-Dichloroethane	<0.180	50.0	47.4	95	47.7	95	70-130	1	20	ug/L	02.18.14 10:25	
1,2-Dichloropropane	<0.150	50.0	48.4	97	49.2	98	75-125	2	20	ug/L	02.18.14 10:25	
1,3-Dichlorobenzene	<0.170	50.0	53.7	107	54.7	109	75-125	2	20	ug/L	02.18.14 10:25	
1,4-Dichlorobenzene	<0.170	50.0	53.6	107	54.1	108	75-125	1	20	ug/L	02.18.14 10:25	
1,4-Dioxane (P-Dioxane)	<8.84	1000	2110	211	2120	212	30-145	0	20	ug/L	02.18.14 10:25	H
Methyl ethyl ketone	<0.280	100	127	127	126	126	30-150	1	20	ug/L	02.18.14 10:25	
2-Hexanone	<0.320	100	139	139	141	141	55-130	1	20	ug/L	02.18.14 10:25	H
4-Methyl-2-Pentanone	<0.260	100	108	108	112	112	60-135	4	20	ug/L	02.18.14 10:25	
Acetone	<0.350	100	128	128	124	124	40-140	3	20	ug/L	02.18.14 10:25	
Benzene	<0.160	50.0	46.9	94	47.0	94	80-120	0	20	ug/L	02.18.14 10:25	
Bromodichloromethane	<0.250	50.0	47.6	95	48.9	98	75-120	3	20	ug/L	02.18.14 10:25	
Bromoform	<0.170	50.0	62.5	125	63.5	127	70-130	2	20	ug/L	02.18.14 10:25	
Methyl bromide	<0.250	50.0	41.6	83	39.7	79	30-145	5	20	ug/L	02.18.14 10:25	
Carbon Disulfide	<0.260	50.0	40.0	80	44.1	88	35-160	10	20	ug/L	02.18.14 10:25	
Carbon Tetrachloride	<0.330	50.0	40.8	82	44.4	89	65-140	8	20	ug/L	02.18.14 10:25	
Chlorobenzene	<0.150	50.0	51.4	103	52.6	105	80-120	2	20	ug/L	02.18.14 10:25	
Chloroethane	<0.260	50.0	45.0	90	44.6	89	60-135	1	20	ug/L	02.18.14 10:25	
Chloroform	<0.160	50.0	46.1	92	46.0	92	65-135	0	20	ug/L	02.18.14 10:25	
Methyl Chloride	<0.250	50.0	38.8	78	38.9	78	40-125	0	20	ug/L	02.18.14 10:25	
cis-1,2-Dichloroethylene	<0.210	50.0	46.7	93	47.1	94	70-125	1	20	ug/L	02.18.14 10:25	
cis-1,3-Dichloropropene	<0.100	50.0	49.2	98	50.9	102	70-130	3	20	ug/L	02.18.14 10:25	
Cyclohexane	<0.150	50.0	48.2	96	47.3	95	65-135	2	20	ug/L	02.18.14 10:25	
Dibromochloromethane	<0.150	50.0	54.4	109	55.2	110	60-135	1	20	ug/L	02.18.14 10:25	
Dichlorodifluoromethane	<0.220	50.0	27.7	55	24.7	49	30-155	11	20	ug/L	02.18.14 10:25	
Ethylbenzene	<0.190	50.0	51.2	102	52.3	105	75-125	2	20	ug/L	02.18.14 10:25	
Isopropylbenzene	<0.150	50.0	52.3	105	53.2	106	75-125	2	20	ug/L	02.18.14 10:25	
m,p-Xylenes	<0.510	100	103	103	104	104	75-130	1	20	ug/L	02.18.14 10:25	
Methyl Acetate	<0.260	50.0	52.8	106	52.9	106	65-135	0	20	ug/L	02.18.14 10:25	
MTBE	<0.180	100	99.4	99	93.2	93	65-125	6	20	ug/L	02.18.14 10:25	
Methylcyclohexane	<0.110	50.0	37.8	76	36.7	73	65-135	3	20	ug/L	02.18.14 10:25	
Methylene Chloride	<0.420	50.0	45.9	92	46.4	93	55-140	1	20	ug/L	02.18.14 10:25	
o-Xylene	<0.200	50.0	51.1	102	51.8	104	80-120	1	20	ug/L	02.18.14 10:25	
Styrene	<0.180	50.0	52.9	106	53.8	108	65-135	2	20	ug/L	02.18.14 10:25	
Tetrachloroethylene	<0.160	50.0	50.1	100	50.8	102	45-150	1	20	ug/L	02.18.14 10:25	
Toluene	<0.140	50.0	51.8	104	52.7	105	75-120	2	20	ug/L	02.18.14 10:25	
trans-1,2-dichloroethylene	<0.210	50.0	46.8	94	45.8	92	60-140	2	20	ug/L	02.18.14 10:25	
trans-1,3-dichloropropene	<0.110	50.0	57.0	114	58.0	116	55-140	2	20	ug/L	02.18.14 10:25	
Trichloroethylene	<0.190	50.0	46.5	93	47.8	96	70-125	3	20	ug/L	02.18.14 10:25	
Trichlorofluoromethane	<0.530	50.0	44.1	88	43.1	86	60-145	2	20	ug/L	02.18.14 10:25	
Vinyl Chloride	<0.190	50.0	41.8	84	38.0	76	50-145	10	20	ug/L	02.18.14 10:25	

AMEC Environment & Infrastructure, Inc.

139 Brampton Road

Analytical Method: **Xylenes by SW-846 8260B** Prep Method: SW5030B

Seq Number: 934338 Matrix: Water Date Prep: 02.18.14

MB Sample Id: 651257-1-BLK LCS Sample Id: 651257-1-BKS LCSD Sample Id: 651257-1-BSD

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	102		106		105		53-159	%	02.18.14 10:25
4-Bromofluorobenzene	105		103		104		30-186	%	02.18.14 10:25
Toluene-D8	110		109		107		70-130	%	02.18.14 10:25

AMEC Environment & Infrastructure, Inc.

139 Brampton Road

Analytical Method: **Xylenes by SW-846 8260B** Prep Method: SW5030B

Seq Number: 934338 Matrix: Ground Water Date Prep: 02.18.14

Parent Sample Id: 479399-002 MS Sample Id: 479399-002 S MSD Sample Id: 479399-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	44.1	88	43.8	88	59-138	1	20	ug/L	02.18.14 20:52	
1,1,2,2-Tetrachloroethane	<0.180	50.0	62.3	125	60.6	121	63-126	3	20	ug/L	02.18.14 20:52	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	40.9	82	40.3	81	53-138	1	20	ug/L	02.18.14 20:52	
1,1,2-Trichloroethane	<0.250	50.0	56.9	114	55.2	110	72-115	3	20	ug/L	02.18.14 20:52	
1,1-Dichloroethane	<0.110	50.0	45.6	91	45.1	90	69-132	1	20	ug/L	02.18.14 20:52	
1,1-Dichloroethene	<0.200	50.0	39.8	80	46.5	93	62-131	16	20	ug/L	02.18.14 20:52	
1,2,4-Trichlorobenzene	<0.170	50.0	52.4	105	52.7	105	34-131	1	20	ug/L	02.18.14 20:52	
1,2-Dibromo-3-Chloropropane	<0.190	50.0	60.4	121	58.2	116	53-121	4	20	ug/L	02.18.14 20:52	
1,2-Dibromoethane	<0.180	50.0	57.2	114	55.5	111	66-125	3	20	ug/L	02.18.14 20:52	
1,2-Dichlorobenzene	<0.140	50.0	52.6	105	52.5	105	58-124	0	20	ug/L	02.18.14 20:52	
1,2-Dichloroethane	<0.180	50.0	47.5	95	46.2	92	55-141	3	20	ug/L	02.18.14 20:52	
1,2-Dichloropropane	<0.150	50.0	47.5	95	47.4	95	78-121	0	20	ug/L	02.18.14 20:52	
1,3-Dichlorobenzene	<0.170	50.0	51.6	103	50.6	101	62-120	2	20	ug/L	02.18.14 20:52	
1,4-Dichlorobenzene	<0.170	50.0	51.4	103	50.7	101	64-114	1	20	ug/L	02.18.14 20:52	
1,4-Dioxane (P-Dioxane)	<8.84	1000	2620	262	2820	282	11-185	7	20	ug/L	02.18.14 20:52	X
Methyl ethyl ketone	<0.280	100	123	123	120	120	50-152	2	20	ug/L	02.18.14 20:52	
2-Hexanone	<0.320	100	138	138	133	133	55-136	4	20	ug/L	02.18.14 20:52	X
4-Methyl-2-Pentanone	<0.260	100	111	111	107	107	65-132	4	20	ug/L	02.18.14 20:52	
Acetone	<0.350	100	105	105	103	103	40-140	2	20	ug/L	02.18.14 20:52	
Benzene	<0.160	50.0	45.8	92	45.6	91	77-118	0	20	ug/L	02.18.14 20:52	
Bromodichloromethane	<0.250	50.0	47.3	95	47.0	94	68-125	1	20	ug/L	02.18.14 20:52	
Bromoform	<0.170	50.0	60.6	121	60.1	120	53-112	1	20	ug/L	02.18.14 20:52	X
Methyl bromide	<0.250	50.0	35.5	71	33.1	66	63-137	7	20	ug/L	02.18.14 20:52	
Carbon Disulfide	<0.260	50.0	40.0	80	40.8	82	26-147	2	20	ug/L	02.18.14 20:52	
Carbon Tetrachloride	<0.330	50.0	43.2	86	42.4	85	56-138	2	20	ug/L	02.18.14 20:52	
Chlorobenzene	<0.150	50.0	51.7	103	50.2	100	71-114	3	20	ug/L	02.18.14 20:52	
Chloroethane	<0.260	50.0	37.4	75	36.6	73	60-137	2	20	ug/L	02.18.14 20:52	
Chloroform	<0.160	50.0	45.9	92	45.3	91	65-131	1	20	ug/L	02.18.14 20:52	
Methyl Chloride	<0.250	50.0	32.1	64	32.2	64	48-151	0	20	ug/L	02.18.14 20:52	
cis-1,2-Dichloroethylene	<0.210	50.0	46.4	93	45.9	92	22-185	1	20	ug/L	02.18.14 20:52	
cis-1,3-Dichloropropene	<0.100	50.0	48.3	97	47.5	95	67-113	2	20	ug/L	02.18.14 20:52	
Cyclohexane	<0.150	50.0	31.9	64	30.7	61	61-141	4	20	ug/L	02.18.14 20:52	
Dibromochloromethane	<0.150	50.0	54.2	108	53.9	108	53-125	1	20	ug/L	02.18.14 20:52	
Dichlorodifluoromethane	<0.220	50.0	25.7	51	24.8	50	38-145	4	20	ug/L	02.18.14 20:52	
Ethylbenzene	<0.190	50.0	53.3	107	50.5	101	66-127	5	20	ug/L	02.18.14 20:52	
Isopropylbenzene	<0.150	50.0	49.5	99	48.9	98	58-127	1	20	ug/L	02.18.14 20:52	
m,p-Xylenes	<0.510	100	110	110	101	101	65-126	9	20	ug/L	02.18.14 20:52	
Methyl Acetate	<0.260	50.0	48.2	96	47.1	94	65-135	2	20	ug/L	02.18.14 20:52	
MTBE	<0.180	100	101	101	98.6	99	58-141	2	20	ug/L	02.18.14 20:52	
Methylcyclohexane	<0.110	50.0	35.7	71	35.3	71	64-128	1	20	ug/L	02.18.14 20:52	
Methylene Chloride	<0.420	50.0	45.3	91	44.3	89	63-150	2	20	ug/L	02.18.14 20:52	
o-Xylene	<0.200	50.0	53.5	107	50.7	101	64-123	5	20	ug/L	02.18.14 20:52	
Styrene	<0.180	50.0	52.2	104	50.7	101	50-133	3	20	ug/L	02.18.14 20:52	
Tetrachloroethylene	<0.160	50.0	48.9	98	47.9	96	52-125	2	20	ug/L	02.18.14 20:52	
Toluene	<0.140	50.0	51.4	103	50.6	101	65-123	2	20	ug/L	02.18.14 20:52	
trans-1,2-dichloroethylene	<0.210	50.0	44.6	89	44.0	88	65-135	1	20	ug/L	02.18.14 20:52	
trans-1,3-dichloropropene	<0.110	50.0	55.9	112	54.8	110	50-125	2	20	ug/L	02.18.14 20:52	
Trichloroethylene	<0.190	50.0	46.4	93	45.6	91	65-125	2	20	ug/L	02.18.14 20:52	
Trichlorofluoromethane	<0.530	50.0	42.1	84	40.9	82	51-145	3	20	ug/L	02.18.14 20:52	
Vinyl Chloride	<0.190	50.0	33.3	67	32.9	66	52-140	1	20	ug/L	02.18.14 20:52	

AMEC Environment & Infrastructure, Inc.

139 Brampton Road

Analytical Method: **Xylenes by SW-846 8260B** Prep Method: SW5030B

Seq Number: 934338 Matrix: Ground Water Date Prep: 02.18.14

Parent Sample Id: 479399-002 MS Sample Id: 479399-002 S MSD Sample Id: 479399-002 SD

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	105		105		53-159	%	02.18.14 20:52
4-Bromofluorobenzene	103		104		30-186	%	02.18.14 20:52
Toluene-D8	109		108		70-130	%	02.18.14 20:52

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: AMEC	Receiver's Initials/Temp: DL / 3.7°C
Address: 396 Plasters Ave	Custody Seal(s): 1 (Y) N Lab Work Order # 479399
Results Sent to: Tyler Boyle	P.O.# (if required):
Email address: tyler.boyle@amec.com	Field Comments / Lab Precautions:
Contact Phone #: 404 817 0153 Cell#: 404 663 9839	
Project Name (Site): 139 Brampton Road	
Project Number (ID): 6121-09-0220	Container Type: GC VC VL GC
Regulatory Program:	Chemical Preservation Code: NA 1 1 NA
Sampler(s): (signature)	Sampler(s): (printed) Tyler Boyle

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	Total Organic Carbon	VOCs	Xylenes Only	Lead
1	EW-6	–	2/11/14 1030	S		X	2	X			
2	EW-4	–	2/12/14 1255	GW		X	2		X		
3	EW-5	–	2/12/14 933	GW		X	2		X		
4	EW-6	–	2/12/14 1028	GW		X	2		X		
5	EW-7	–	2/12/14 1146	GW		X	2		X		
6	GW-4	–	2/13/14 928	GW		X	2		X		
7	GW-5	–	2/13/14 1030	GW		X	2		X		
8	GW-7	–	2/13/14 1335	GW		X	2			X	
9	GW-10	–	2/13/14 1215	GW		X	2		X		
10	HA-WS-01-1'	1'	2/13/14 1520	S		X	1				X

1) Relinquished By:	Date / Time 2/14/14 1420	2) Received By:	Date / Time 2/14/14 14:2
3) Relinquished By:	Date / Time	4) Received By:	Date / Time
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
Fed Ex / UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; ___5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES
CHAIN OF CUSTODY

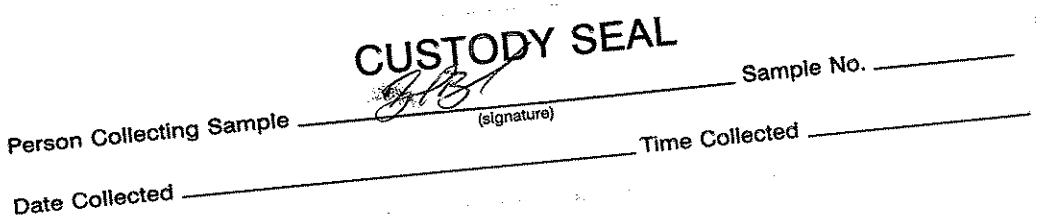
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: AMEC	Receiver's Initials/Temp: QL / 3.7°C
Address: 396 Plasters Ave	Custody Seal(s): 1 (Y) N Lab Work Order # 479399
Results Sent to: Tyler Boyles	P.O.# (if required):
Email address: tyler.boyles@amec.com	Field Comments / Lab Precautions:
Contact Phone #: 404 817 0153 Cell#: 404 663 9039	
Project Name (Site): 139 Brampton Road	
Project Number (ID): 6121 09 0220	Container Type: GL
Regulatory Program:	Chemical Preservation Code: NA

Sampler(s): (signature)

Sampler(s): (printed) Tyler Boyle

| Line No. | Sample ID # | Sample Depth (Ft) | Collection Date / Time | Matrix (See below) | Composite | Grab | No. of Containers | Lead | Analysis Requested | | |


CUSTODY SEAL
Person Collecting Sample
(signature)
Sample No.
Date Collected
Time Collected

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: AMEC Environment & Infrastructure, Inc.

Date/ Time Received: 02/14/2014 02:20:00 PM

Work Order #: 479399

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.7
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**Yes**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:	PH Device/Lot#:

Checklist completed by: David C. Fuller Date: 02/17/2014

Checklist reviewed by: Eben Buchanan Date: 02/17/2014

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-107724-1
Client Project/Site: Rheem - Brampton Rd.

For:
AMEC Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:
12/2/2014 3:00:53 PM
Sheila Hoffman, Project Manager II
(912)354-7858 e.3004
sheila.hoffman@testamericainc.com

Designee for

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-107724-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: AMEC Environment & Infrastructure, Inc.
Project: Rheem - Brampton Rd.
Report Number: 680-107724-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/1/2014 2:39 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.5º C.

METALS (ICP)

Samples A-BM-1 (680-107724-1), A-SW-1 (680-107724-2), A-SW-2 (680-107724-3), A-SW-3 (680-107724-4) and A-SW-4 (680-107724-5) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 12/01/2014 and analyzed on 12/02/2014.

Lead recovery is outside criteria high for the MS of sample A-BM-1MS (680-107724-1) in batch 680-361282.

Lead recovery is outside criteria low for the MSD of sample A-BM-1MSD (680-107724-1) in batch 680-361282. Lead exceeded the RPD limit.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples A-BM-1 (680-107724-1), A-SW-1 (680-107724-2), A-SW-2 (680-107724-3), A-SW-3 (680-107724-4) and A-SW-4 (680-107724-5) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/01/2014.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-107724-1	A-BM-1	Solid	12/01/14 11:35	12/01/14 14:39
680-107724-2	A-SW-1	Solid	12/01/14 11:38	12/01/14 14:39
680-107724-3	A-SW-2	Solid	12/01/14 11:39	12/01/14 14:39
680-107724-4	A-SW-3	Solid	12/01/14 11:42	12/01/14 14:39
680-107724-5	A-SW-4	Solid	12/01/14 11:44	12/01/14 14:39

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Client Sample ID: A-BM-1
Date Collected: 12/01/14 11:35
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-1
Matrix: Solid
Percent Solids: 86.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140		1.0	0.56	mg/Kg	☼	12/01/14 15:22	12/02/14 11:10	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Client Sample ID: A-SW-1
Date Collected: 12/01/14 11:38
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-2
Matrix: Solid
Percent Solids: 82.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	78		1.2	0.62	mg/Kg	☼	12/01/14 15:22	12/02/14 11:33	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Client Sample ID: A-SW-2
Date Collected: 12/01/14 11:39
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-3
Matrix: Solid
Percent Solids: 87.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		1.1	0.57	mg/Kg	☼	12/01/14 15:22	12/02/14 11:37	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Client Sample ID: A-SW-3
Date Collected: 12/01/14 11:42
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-4
Matrix: Solid
Percent Solids: 87.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	57		1.0	0.55	mg/Kg	☼	12/01/14 15:22	12/02/14 11:42	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Client Sample ID: A-SW-4
Date Collected: 12/01/14 11:44
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-5
Matrix: Solid
Percent Solids: 88.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		1.1	0.60	mg/Kg	☼	12/01/14 15:22	12/02/14 11:56	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-361141/1-A
Matrix: Solid
Analysis Batch: 361282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.50	U	0.95	0.50	mg/Kg		12/01/14 15:22	12/02/14 11:01	1

Lab Sample ID: LCS 680-361141/2-A
Matrix: Solid
Analysis Batch: 361282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	45.5	45.4		mg/Kg		100	80 - 120

Lab Sample ID: 680-107724-1 MS
Matrix: Solid
Analysis Batch: 361282

Client Sample ID: A-BM-1
Prep Type: Total/NA
Prep Batch: 361141

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	140		52.4	216	F1	mg/Kg	☼	145	75 - 125

Lab Sample ID: 680-107724-1 MSD
Matrix: Solid
Analysis Batch: 361282

Client Sample ID: A-BM-1
Prep Type: Total/NA
Prep Batch: 361141

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	140		52.4	174	F1 F2	mg/Kg	☼	65	75 - 125	22	20

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Metals

Prep Batch: 361141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-1	A-BM-1	Total/NA	Solid	3050B	
680-107724-1 MS	A-BM-1	Total/NA	Solid	3050B	
680-107724-1 MSD	A-BM-1	Total/NA	Solid	3050B	
680-107724-2	A-SW-1	Total/NA	Solid	3050B	
680-107724-3	A-SW-2	Total/NA	Solid	3050B	
680-107724-4	A-SW-3	Total/NA	Solid	3050B	
680-107724-5	A-SW-4	Total/NA	Solid	3050B	
LCS 680-361141/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-361141/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 361282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-1	A-BM-1	Total/NA	Solid	6010C	361141
680-107724-1 MS	A-BM-1	Total/NA	Solid	6010C	361141
680-107724-1 MSD	A-BM-1	Total/NA	Solid	6010C	361141
680-107724-2	A-SW-1	Total/NA	Solid	6010C	361141
680-107724-3	A-SW-2	Total/NA	Solid	6010C	361141
680-107724-4	A-SW-3	Total/NA	Solid	6010C	361141
680-107724-5	A-SW-4	Total/NA	Solid	6010C	361141
LCS 680-361141/2-A	Lab Control Sample	Total/NA	Solid	6010C	361141
MB 680-361141/1-A	Method Blank	Total/NA	Solid	6010C	361141

General Chemistry

Analysis Batch: 361149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-1	A-BM-1	Total/NA	Solid	Moisture	
680-107724-2	A-SW-1	Total/NA	Solid	Moisture	
680-107724-3	A-SW-2	Total/NA	Solid	Moisture	
680-107724-4	A-SW-3	Total/NA	Solid	Moisture	
680-107724-5	A-SW-4	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Client Sample ID: A-BM-1

Lab Sample ID: 680-107724-1
Date Collected: 12/01/14 11:35
Matrix: Solid
Date Received: 12/01/14 14:39
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	100 mL	361141	12/01/14 15:22	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.10 g	100 mL	361282	12/02/14 11:10	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361149	12/01/14 16:13	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: A-SW-1

Lab Sample ID: 680-107724-2
Date Collected: 12/01/14 11:38
Matrix: Solid
Date Received: 12/01/14 14:39
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	361141	12/01/14 15:22	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.04 g	100 mL	361282	12/02/14 11:33	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361149	12/01/14 16:13	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: A-SW-2

Lab Sample ID: 680-107724-3
Date Collected: 12/01/14 11:39
Matrix: Solid
Date Received: 12/01/14 14:39
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.06 g	100 mL	361141	12/01/14 15:22	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.06 g	100 mL	361282	12/02/14 11:37	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361149	12/01/14 16:13	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: A-SW-3

Lab Sample ID: 680-107724-4
Date Collected: 12/01/14 11:42
Matrix: Solid
Date Received: 12/01/14 14:39
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	361141	12/01/14 15:22	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	361282	12/02/14 11:42	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361149	12/01/14 16:13	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Client Sample ID: A-SW-4
Date Collected: 12/01/14 11:44
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-5
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	361141	12/01/14 15:22	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.00 g	100 mL	361282	12/02/14 11:56	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361149	12/01/14 16:13	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 87557

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Rheem - Brampton Rd.	PROJECT NO.: 6121090220	PROJECT LOCATION (STATE): GA	PAGE 1 OF 1
TAL (LAB) PROJECT MANAGER:	P.O. NUMBER:	CONTRACT NO.:	STANDARD REPORT DELIVERY ○ DATE DUE
CLIENT (SITE) PM: Paul Gazzo	CLIENT PHONE: 4048734761	CLIENT FAX:	EXPEDITED REPORT DELIVERY (SURCHARGE) ✓ 24 hr. for Dave Fuller DATE DUE
CLIENT NAME: AMEC	CLIENT E-MAIL: Paul.Gazzo61@gmail.com Chuck.Ferry@Amec.com		
CLIENT ADDRESS: 2677 Buford Highway, Atlanta, GA 30324			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
COMPANY CONTRACTING THIS WORK (if applicable):			

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 6010C - Lead

PRESERVATIVE

NUMBER OF CONTAINERS

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	6010C - Lead	REMARKS
12/1/14	11:35	A-BM-1	G		✓			✓	Additional email:
12/1/14	11:38	A-SW-1	G		✓			✓	Paul.gazzo@AMEC.com
12/1/14	11:39	A-SW-2	G		✓			✓	
12/1/14	11:42	A-SW-3	G		✓			✓	
12/1/14	11:44	A-SW-4	G		✓			✓	

680-107724 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/1/14	1439						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	12-1-14	14:39	YES ○ NO ○		680-107724	4.8/4.5°C cu245

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 680-107724-1

Login Number: 107724

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-107724-2
Client Project/Site: Rheem - Brampton Rd.

For:
AMEC Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:
12/3/2014 4:17:39 PM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-107724-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: AMEC Environment & Infrastructure, Inc.
Project: Rheem - Brampton Rd.
Report Number: 680-107724-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/Glossary page.

RECEIPT

The samples were received on 12/1/2014 2:39 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.5º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Borrow Pit (680-107724-6) was analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared and analyzed on 12/01/2014.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch <<361094>>.

SEMIVOLATILE ORGANIC COMPOUNDS (SOLID)

Sample Borrow Pit (680-107724-6) was analyzed for Semivolatile Organic Compounds (Solid) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 12/01/2014 and analyzed on 12/03/2014.

3,3'-Dichlorobenzidine, 3-Nitroaniline and 4-Chloroaniline have recovery outside criteria low for the MS of sample Borrow PitMS (680-107724-6) in batch 680-361381.

3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Chloroaniline and Bis(2-chloroethyl)ether have recovery outside criteria low for the MSD of sample Borrow PitMSD (680-107724-6) in batch 680-361381. Bis(2-chloroethyl)ether exceeded the RPD limit.

Refer to the QC report for details.

PESTICIDES AND PCBS

Sample Borrow Pit (680-107724-6) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 12/01/2014 and analyzed on 12/02/2014.

Method(s) 8081B/8082A, 8082A: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: (680-107688-1 MS), (680-107688-1 MSD). These results have been reported and qualified.

METALS (ICP)

Sample Borrow Pit (680-107724-6) was analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 12/01/2014 and analyzed on 12/02/2014.

Barium has recovery outside criteria low for the MS of sample 680-107724-1 in batch 680-361282. Chromium and Lead have recovery outside criteria high.

Barium and Lead have recovery outside criteria low for the MSD of sample 680-107724-1 in batch 680-361282. Chromium and Lead

Job ID: 680-107724-2 (Continued)

Laboratory: TestAmerica Savannah (Continued)

exceeded the RPD limit.

Refer to the QC report for details.

TOTAL MERCURY

Sample Borrow Pit (680-107724-6) was analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 12/01/2014 and analyzed on 12/02/2014.

PERCENT SOLIDS/MOISTURE

Sample Borrow Pit (680-107724-6) was analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/01/2014.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-107724-6	Borrow Pit	Solid	12/01/14 13:18	12/01/14 14:39

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Client Sample ID: Borrow Pit
Date Collected: 12/01/14 13:18
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-6
Matrix: Solid
Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.014	U	0.064	0.014	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Benzene	0.00093	U	0.0064	0.00093	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Bromodichloromethane	0.0012	U	0.0064	0.0012	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Bromoform	0.0019	U	0.0064	0.0019	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Bromomethane	0.0019	U	0.0064	0.0019	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
2-Butanone	0.0031	U	0.032	0.0031	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Carbon disulfide	0.0014	U	0.0064	0.0014	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Carbon tetrachloride	0.0011	U	0.0064	0.0011	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Chlorobenzene	0.0012	U	0.0064	0.0012	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Chloroethane	0.0034	U	0.0064	0.0034	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Chloroform	0.0014	U	0.0064	0.0014	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Chloromethane	0.0013	U	0.0064	0.0013	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
cis-1,2-Dichloroethene	0.0018	U	0.0064	0.0018	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
cis-1,3-Dichloropropene	0.0011	U	0.0064	0.0011	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Cyclohexane	0.0017	U	0.0064	0.0017	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Dibromochloromethane	0.0022	U	0.0064	0.0022	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,2-Dibromo-3-Chloropropane	0.0056	U	0.013	0.0056	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,2-Dibromoethane	0.0019	U	0.0064	0.0019	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,2-Dichlorobenzene	0.0017	U	0.0064	0.0017	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,3-Dichlorobenzene	0.0020	U	0.0064	0.0020	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,4-Dichlorobenzene	0.00094	U	0.0064	0.00094	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Dichlorodifluoromethane	0.0012	U	0.0064	0.0012	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,1-Dichloroethane	0.0014	U	0.0064	0.0014	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,2-Dichloroethane	0.0014	U	0.0064	0.0014	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,1-Dichloroethene	0.0019	U	0.0064	0.0019	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,2-Dichloropropane	0.0011	U	0.0064	0.0011	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Ethylbenzene	0.0017	U	0.0064	0.0017	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
2-Hexanone	0.0042	U	0.032	0.0042	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Isopropylbenzene	0.0024	U	0.0064	0.0024	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Methyl acetate	0.0064	U	0.032	0.0064	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Methylcyclohexane	0.0011	U	0.0064	0.0011	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Methylene Chloride	**0.0015**	**J**	0.0064	0.0012	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
4-Methyl-2-pentanone	0.0054	U	0.032	0.0054	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Methyl tert-butyl ether	0.0013	U	0.0064	0.0013	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Styrene	0.0012	U	0.0064	0.0012	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,1,2,2-Tetrachloroethane	0.0020	U	0.0064	0.0020	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Tetrachloroethene	0.0024	U	0.0064	0.0024	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Toluene	0.0011	U	0.0064	0.0011	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
trans-1,2-Dichloroethene	0.00080	U	0.0064	0.00080	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
trans-1,3-Dichloropropene	0.0011	U	0.0064	0.0011	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,2,4-Trichlorobenzene	0.0011	U	0.0064	0.0011	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,1,1-Trichloroethane	0.00075	U	0.0064	0.00075	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,1,2-Trichloroethane	0.0017	U	0.0064	0.0017	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Trichloroethene	0.0017	U	0.0064	0.0017	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Trichlorofluoromethane	0.0015	U	0.0064	0.0015	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0017	U	0.0064	0.0017	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Vinyl chloride	0.0019	U	0.0064	0.0019	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1
Xylenes, Total	0.0014	U	0.013	0.0014	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Client Sample ID: Borrow Pit
Date Collected: 12/01/14 13:18
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-6
Matrix: Solid
Percent Solids: 94.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*98*		*65 - 130*	*12/01/14 15:28*	*12/01/14 17:47*	*1*
Dibromofluoromethane (Surr)	*98*		*65 - 130*	*12/01/14 15:28*	*12/01/14 17:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 130*	*12/01/14 15:28*	*12/01/14 17:47*	*1*
Toluene-d8 (Surr)	*96*		*65 - 130*	*12/01/14 15:28*	*12/01/14 17:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.043	U	0.35	0.043	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Acenaphthylene	0.038	U	0.35	0.038	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Acetophenone	0.030	U	0.35	0.030	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Anthracene	0.026	U	0.35	0.026	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Atrazine	0.024	U	0.35	0.024	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Benzaldehyde	0.061	U	0.35	0.061	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Benzo[a]anthracene	0.028	U	0.35	0.028	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Benzo[a]pyrene	0.055	U	0.35	0.055	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Benzo[b]fluoranthene	0.040	U	0.35	0.040	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Benzo[g,h,i]perylene	0.023	U	0.35	0.023	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Benzo[k]fluoranthene	0.069	U	0.35	0.069	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
1,1'-Biphenyl	1.8	U	1.8	1.8	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Bis(2-chloroethoxy)methane	0.041	U	0.35	0.041	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Bis(2-chloroethyl)ether	0.047	U	0.35	0.047	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
bis (2-chloroisopropyl) ether	0.032	U	0.35	0.032	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Bis(2-ethylhexyl) phthalate	0.031	U	0.35	0.031	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
4-Bromophenyl phenyl ether	0.038	U	0.35	0.038	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Butyl benzyl phthalate	0.027	U	0.35	0.027	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Caprolactam	0.070	U	0.35	0.070	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Carbazole	0.032	U	0.35	0.032	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
4-Chloroaniline	0.055	U	0.70	0.055	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
4-Chloro-3-methylphenol	0.037	U	0.35	0.037	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2-Chloronaphthalene	0.037	U	0.35	0.037	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2-Chlorophenol	0.042	U	0.35	0.042	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
4-Chlorophenyl phenyl ether	0.046	U	0.35	0.046	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Chrysene	0.022	U	0.35	0.022	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Dibenz(a,h)anthracene	0.041	U	0.35	0.041	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Dibenzofuran	0.035	U	0.35	0.035	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
3,3'-Dichlorobenzidine	0.030	U	0.70	0.030	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2,4-Dichlorophenol	0.037	U	0.35	0.037	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Diethyl phthalate	0.039	U	0.35	0.039	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2,4-Dimethylphenol	0.046	U	0.35	0.046	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Dimethyl phthalate	0.036	U	0.35	0.036	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Di-n-butyl phthalate	0.032	U	0.35	0.032	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
4,6-Dinitro-2-methylphenol	0.18	U	1.8	0.18	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2,4-Dinitrophenol	0.88	U	1.8	0.88	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2,4-Dinitrotoluene	0.052	U	0.35	0.052	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2,6-Dinitrotoluene	0.044	U	0.35	0.044	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Di-n-octyl phthalate	0.031	U	0.35	0.031	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Fluoranthene	0.034	U	0.35	0.034	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Fluorene	0.038	U	0.35	0.038	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Hexachlorobenzene	0.041	U	0.35	0.041	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Hexachlorobutadiene	0.038	U	0.35	0.038	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Client Sample ID: Borrow Pit
Date Collected: 12/01/14 13:18
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-6
Matrix: Solid
Percent Solids: 94.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	0.043	U	0.35	0.043	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Hexachloroethane	0.030	U	0.35	0.030	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Indeno[1,2,3-cd]pyrene	0.030	U	0.35	0.030	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Isophorone	0.035	U	0.35	0.035	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2-Methylnaphthalene	0.040	U	0.35	0.040	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2-Methylphenol	0.028	U	0.35	0.028	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
3 & 4 Methylphenol	0.045	U	0.35	0.045	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Naphthalene	0.032	U	0.35	0.032	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2-Nitroaniline	0.047	U	1.8	0.047	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
3-Nitroaniline	0.049	U	1.8	0.049	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
4-Nitroaniline	0.052	U	1.8	0.052	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Nitrobenzene	0.027	U	0.35	0.027	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2-Nitrophenol	0.043	U	0.35	0.043	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
4-Nitrophenol	0.35	U	1.8	0.35	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
N-Nitrosodi-n-propylamine	0.034	U	0.35	0.034	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
N-Nitrosodiphenylamine	0.035	U	0.35	0.035	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Pentachlorophenol	0.35	U	1.8	0.35	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Phenanthrene	0.028	U	0.35	0.028	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Phenol	0.036	U	0.35	0.036	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
Pyrene	0.028	U	0.35	0.028	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2,4,5-Trichlorophenol	0.037	U	0.35	0.037	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1
2,4,6-Trichlorophenol	0.031	U	0.35	0.031	mg/Kg	☼	12/01/14 15:54	12/03/14 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*41 - 116*	*12/01/14 15:54*	*12/03/14 12:07*	*1*
2-Fluorophenol (Surr)	*77*		*39 - 114*	*12/01/14 15:54*	*12/03/14 12:07*	*1*
Nitrobenzene-d5 (Surr)	*75*		*37 - 115*	*12/01/14 15:54*	*12/03/14 12:07*	*1*
Phenol-d5 (Surr)	*75*		*38 - 122*	*12/01/14 15:54*	*12/03/14 12:07*	*1*
Terphenyl-d14 (Surr)	*92*		*46 - 126*	*12/01/14 15:54*	*12/03/14 12:07*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*45 - 129*	*12/01/14 15:54*	*12/03/14 12:07*	*1*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00016	U	0.0018	0.00016	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
alpha-BHC	0.00015	U	0.0018	0.00015	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
beta-BHC	0.00035	U	0.0018	0.00035	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Chlordane (technical)	0.0031	U	0.018	0.0031	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
4,4'-DDD	0.00019	U	0.0018	0.00019	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
4,4'-DDE	0.00019	U	0.0018	0.00019	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
4,4'-DDT	0.00023	U	0.0018	0.00023	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
delta-BHC	0.00020	U	0.0018	0.00020	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Dieldrin	0.00018	U	0.0018	0.00018	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Endosulfan I	0.00018	U	0.0018	0.00018	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Endosulfan II	0.00016	U	0.0018	0.00016	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Endosulfan sulfate	0.00022	U	0.0018	0.00022	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Endrin	0.00023	U	0.0018	0.00023	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Endrin aldehyde	0.00023	U	0.0018	0.00023	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Endrin ketone	0.00021	U	0.0018	0.00021	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
gamma-BHC (Lindane)	0.00015	U	0.0018	0.00015	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Heptachlor	0.00020	U	0.0018	0.00020	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Client Sample ID: Borrow Pit
Date Collected: 12/01/14 13:18
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-6
Matrix: Solid
Percent Solids: 94.4

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.00017	U	0.0018	0.00017	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Methoxychlor	0.00030	U	0.0018	0.00030	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
PCB-1016	0.012	U	0.035	0.012	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
PCB-1221	0.016	U	0.035	0.016	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
PCB-1232	0.0055	U	0.035	0.0055	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
PCB-1242	0.0053	U	0.035	0.0053	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
PCB-1248	0.0087	U	0.035	0.0087	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
PCB-1254	0.011	U	0.035	0.011	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
PCB-1260	0.010	U	0.035	0.010	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1
Toxaphene	0.0058	U	0.18	0.0058	mg/Kg	☼	12/01/14 15:54	12/02/14 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*54 - 133*	*12/01/14 15:54*	*12/02/14 16:19*	*1*
Tetrachloro-m-xylene	*97*		*46 - 130*	*12/01/14 15:54*	*12/02/14 16:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.53	U	1.8	0.53	mg/Kg	☼	12/01/14 15:22	12/02/14 12:00	1
Barium	**4.3**		0.89	0.27	mg/Kg	☼	12/01/14 15:22	12/02/14 12:00	1
Cadmium	0.089	U	0.45	0.089	mg/Kg	☼	12/01/14 15:22	12/02/14 12:00	1
Chromium	**1.1**		0.89	0.45	mg/Kg	☼	12/01/14 15:22	12/02/14 12:00	1
Lead	**0.94**		0.89	0.47	mg/Kg	☼	12/01/14 15:22	12/02/14 12:00	1
Selenium	0.89	U	2.2	0.89	mg/Kg	☼	12/01/14 15:22	12/02/14 12:00	1
Silver	0.085	U	0.89	0.085	mg/Kg	☼	12/01/14 15:22	12/02/14 12:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0072	U	0.018	0.0072	mg/Kg	☼	12/01/14 15:23	12/02/14 10:50	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

Lab Sample ID: MB 680-361094/7
Matrix: Solid
Analysis Batch: 361094

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	U	0.049	0.011	mg/Kg			12/01/14 16:21	1
Benzene	0.00071	U	0.0049	0.00071	mg/Kg			12/01/14 16:21	1
Bromodichloromethane	0.00095	U	0.0049	0.00095	mg/Kg			12/01/14 16:21	1
Bromoform	0.0015	U	0.0049	0.0015	mg/Kg			12/01/14 16:21	1
Bromomethane	0.0015	U	0.0049	0.0015	mg/Kg			12/01/14 16:21	1
2-Butanone	0.0023	U	0.024	0.0023	mg/Kg			12/01/14 16:21	1
Carbon disulfide	0.0011	U	0.0049	0.0011	mg/Kg			12/01/14 16:21	1
Carbon tetrachloride	0.00081	U	0.0049	0.00081	mg/Kg			12/01/14 16:21	1
Chlorobenzene	0.00094	U	0.0049	0.00094	mg/Kg			12/01/14 16:21	1
Chloroethane	0.0026	U	0.0049	0.0026	mg/Kg			12/01/14 16:21	1
Chloroform	0.0011	U	0.0049	0.0011	mg/Kg			12/01/14 16:21	1
Chloromethane	0.00098	U	0.0049	0.00098	mg/Kg			12/01/14 16:21	1
cis-1,2-Dichloroethene	0.0014	U	0.0049	0.0014	mg/Kg			12/01/14 16:21	1
cis-1,3-Dichloropropene	0.00081	U	0.0049	0.00081	mg/Kg			12/01/14 16:21	1
Cyclohexane	0.0013	U	0.0049	0.0013	mg/Kg			12/01/14 16:21	1
Dibromochloromethane	0.0017	U	0.0049	0.0017	mg/Kg			12/01/14 16:21	1
1,2-Dibromo-3-Chloropropane	0.0043	U	0.0098	0.0043	mg/Kg			12/01/14 16:21	1
1,2-Dibromoethane	0.0015	U	0.0049	0.0015	mg/Kg			12/01/14 16:21	1
1,2-Dichlorobenzene	0.0013	U	0.0049	0.0013	mg/Kg			12/01/14 16:21	1
1,3-Dichlorobenzene	0.0016	U	0.0049	0.0016	mg/Kg			12/01/14 16:21	1
1,4-Dichlorobenzene	0.00072	U	0.0049	0.00072	mg/Kg			12/01/14 16:21	1
Dichlorodifluoromethane	0.00092	U	0.0049	0.00092	mg/Kg			12/01/14 16:21	1
1,1-Dichloroethane	0.0011	U	0.0049	0.0011	mg/Kg			12/01/14 16:21	1
1,2-Dichloroethane	0.0011	U	0.0049	0.0011	mg/Kg			12/01/14 16:21	1
1,1-Dichloroethene	0.0015	U	0.0049	0.0015	mg/Kg			12/01/14 16:21	1
1,2-Dichloropropane	0.00084	U	0.0049	0.00084	mg/Kg			12/01/14 16:21	1
Ethylbenzene	0.0013	U	0.0049	0.0013	mg/Kg			12/01/14 16:21	1
2-Hexanone	0.0032	U	0.024	0.0032	mg/Kg			12/01/14 16:21	1
Isopropylbenzene	0.0019	U	0.0049	0.0019	mg/Kg			12/01/14 16:21	1
Methyl acetate	0.0049	U	0.024	0.0049	mg/Kg			12/01/14 16:21	1
Methylcyclohexane	0.00084	U	0.0049	0.00084	mg/Kg			12/01/14 16:21	1
Methylene Chloride	0.00096	U	0.0049	0.00096	mg/Kg			12/01/14 16:21	1
4-Methyl-2-pentanone	0.0041	U	0.024	0.0041	mg/Kg			12/01/14 16:21	1
Methyl tert-butyl ether	0.00098	U	0.0049	0.00098	mg/Kg			12/01/14 16:21	1
Styrene	0.00091	U	0.0049	0.00091	mg/Kg			12/01/14 16:21	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0049	0.0016	mg/Kg			12/01/14 16:21	1
Tetrachloroethene	0.0019	U	0.0049	0.0019	mg/Kg			12/01/14 16:21	1
Toluene	0.00082	U	0.0049	0.00082	mg/Kg			12/01/14 16:21	1
trans-1,2-Dichloroethene	0.00062	U	0.0049	0.00062	mg/Kg			12/01/14 16:21	1
trans-1,3-Dichloropropene	0.00085	U	0.0049	0.00085	mg/Kg			12/01/14 16:21	1
1,2,4-Trichlorobenzene	0.00087	U	0.0049	0.00087	mg/Kg			12/01/14 16:21	1
1,1,1-Trichloroethane	0.00058	U	0.0049	0.00058	mg/Kg			12/01/14 16:21	1
1,1,2-Trichloroethane	0.0013	U	0.0049	0.0013	mg/Kg			12/01/14 16:21	1
Trichloroethene	0.0013	U	0.0049	0.0013	mg/Kg			12/01/14 16:21	1
Trichlorofluoromethane	0.0012	U	0.0049	0.0012	mg/Kg			12/01/14 16:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0049	0.0013	mg/Kg			12/01/14 16:21	1
Vinyl chloride	0.0015	U	0.0049	0.0015	mg/Kg			12/01/14 16:21	1
Xylenes, Total	0.0011	U	0.0098	0.0011	mg/Kg			12/01/14 16:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-361094/7
Matrix: Solid
Analysis Batch: 361094

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*98*		*65 - 130*		*12/01/14 16:21*	*1*
Dibromofluoromethane (Surr)	*93*		*65 - 130*		*12/01/14 16:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 130*		*12/01/14 16:21*	*1*
Toluene-d8 (Surr)	*96*		*65 - 130*		*12/01/14 16:21*	*1*

Lab Sample ID: LCS 680-361094/3
Matrix: Solid
Analysis Batch: 361094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.243	0.199		mg/Kg		82	54 - 139
Benzene	0.0486	0.0476		mg/Kg		98	76 - 120
Bromodichloromethane	0.0486	0.0452		mg/Kg		93	72 - 131
Bromoform	0.0486	0.0435		mg/Kg		90	64 - 150
Bromomethane	0.0486	0.0481		mg/Kg		99	10 - 174
2-Butanone	0.243	0.221		mg/Kg		91	66 - 123
Carbon disulfide	0.0486	0.0478		mg/Kg		98	74 - 125
Carbon tetrachloride	0.0486	0.0500		mg/Kg		103	67 - 140
Chlorobenzene	0.0486	0.0484		mg/Kg		99	80 - 120
Chloroethane	0.0486	0.0487		mg/Kg		100	10 - 176
Chloroform	0.0486	0.0478		mg/Kg		98	80 - 121
Chloromethane	0.0486	0.0504		mg/Kg		104	48 - 146
cis-1,2-Dichloroethene	0.0486	0.0496		mg/Kg		102	80 - 120
cis-1,3-Dichloropropene	0.0486	0.0495		mg/Kg		102	74 - 125
Cyclohexane	0.0486	0.0515		mg/Kg		106	70 - 130
Dibromochloromethane	0.0486	0.0437		mg/Kg		90	77 - 132
1,2-Dibromo-3-Chloropropane	0.0486	0.0492		mg/Kg		101	49 - 152
1,2-Dibromoethane	0.0486	0.0448		mg/Kg		92	72 - 129
1,2-Dichlorobenzene	0.0486	0.0508		mg/Kg		104	75 - 128
1,3-Dichlorobenzene	0.0486	0.0508		mg/Kg		104	76 - 128
1,4-Dichlorobenzene	0.0486	0.0505		mg/Kg		104	76 - 128
Dichlorodifluoromethane	0.0486	0.0485		mg/Kg		100	72 - 134
1,1-Dichloroethane	0.0486	0.0492		mg/Kg		101	80 - 120
1,2-Dichloroethane	0.0486	0.0469		mg/Kg		96	61 - 140
1,1-Dichloroethene	0.0486	0.0498		mg/Kg		102	64 - 138
1,2-Dichloropropane	0.0486	0.0457		mg/Kg		94	73 - 121
Ethylbenzene	0.0486	0.0517		mg/Kg		106	78 - 121
2-Hexanone	0.243	0.219		mg/Kg		90	60 - 126
Isopropylbenzene	0.0486	0.0538		mg/Kg		111	79 - 124
Methyl acetate	0.243	0.229		mg/Kg		94	43 - 135
Methylcyclohexane	0.0486	0.0509		mg/Kg		105	77 - 118
Methylene Chloride	0.0486	0.0467		mg/Kg		96	80 - 120
4-Methyl-2-pentanone	0.243	0.225		mg/Kg		93	59 - 127
Methyl tert-butyl ether	0.0486	0.0504		mg/Kg		104	80 - 121
Styrene	0.0486	0.0495		mg/Kg		102	78 - 123
1,1,2,2-Tetrachloroethane	0.0486	0.0446		mg/Kg		92	70 - 123
Tetrachloroethene	0.0486	0.0472		mg/Kg		97	77 - 130
Toluene	0.0486	0.0471		mg/Kg		97	73 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-361094/3
Matrix: Solid
Analysis Batch: 361094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	0.0486	0.0506		mg/Kg		104	79 - 120
trans-1,3-Dichloropropene	0.0486	0.0516		mg/Kg		106	69 - 133
1,2,4-Trichlorobenzene	0.0486	0.0552		mg/Kg		114	77 - 142
1,1,1-Trichloroethane	0.0486	0.0491		mg/Kg		101	73 - 132
1,1,2-Trichloroethane	0.0486	0.0431		mg/Kg		89	72 - 124
Trichloroethene	0.0486	0.0488		mg/Kg		100	78 - 125
Trichlorofluoromethane	0.0486	0.0513		mg/Kg		105	60 - 148
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0486	0.0503		mg/Kg		103	62 - 141
Vinyl chloride	0.0486	0.0488		mg/Kg		100	65 - 133
Xylenes, Total	0.0973	0.105		mg/Kg		108	79 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*65 - 130*
Dibromofluoromethane (Surr)	*100*		*65 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 130*
Toluene-d8 (Surr)	*103*		*65 - 130*

Lab Sample ID: LCSD 680-361094/4
Matrix: Solid
Analysis Batch: 361094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.246	0.215		mg/Kg		88	54 - 139	8	50
Benzene	0.0491	0.0512		mg/Kg		104	76 - 120	7	30
Bromodichloromethane	0.0491	0.0496		mg/Kg		101	72 - 131	9	30
Bromoform	0.0491	0.0494		mg/Kg		101	64 - 150	13	30
Bromomethane	0.0491	0.0456		mg/Kg		93	10 - 174	5	30
2-Butanone	0.246	0.267		mg/Kg		109	66 - 123	19	30
Carbon disulfide	0.0491	0.0475		mg/Kg		97	74 - 125	1	30
Carbon tetrachloride	0.0491	0.0533		mg/Kg		109	67 - 140	6	30
Chlorobenzene	0.0491	0.0523		mg/Kg		106	80 - 120	8	30
Chloroethane	0.0491	0.0469		mg/Kg		95	10 - 176	4	30
Chloroform	0.0491	0.0506		mg/Kg		103	80 - 121	6	30
Chloromethane	0.0491	0.0483		mg/Kg		98	48 - 146	4	30
cis-1,2-Dichloroethene	0.0491	0.0526		mg/Kg		107	80 - 120	6	30
cis-1,3-Dichloropropene	0.0491	0.0551		mg/Kg		112	74 - 125	11	30
Cyclohexane	0.0491	0.0544		mg/Kg		111	70 - 130	5	30
Dibromochloromethane	0.0491	0.0489		mg/Kg		100	77 - 132	11	30
1,2-Dibromo-3-Chloropropane	0.0491	0.0600		mg/Kg		122	49 - 152	20	30
1,2-Dibromoethane	0.0491	0.0512		mg/Kg		104	72 - 129	13	30
1,2-Dichlorobenzene	0.0491	0.0541		mg/Kg		110	75 - 128	6	30
1,3-Dichlorobenzene	0.0491	0.0532		mg/Kg		108	76 - 128	5	30
1,4-Dichlorobenzene	0.0491	0.0529		mg/Kg		108	76 - 128	5	30
Dichlorodifluoromethane	0.0491	0.0434		mg/Kg		88	72 - 134	11	30
1,1-Dichloroethane	0.0491	0.0510		mg/Kg		104	80 - 120	3	30
1,2-Dichloroethane	0.0491	0.0518		mg/Kg		106	61 - 140	10	30
1,1-Dichloroethene	0.0491	0.0485		mg/Kg		99	64 - 138	3	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-361094/4
Matrix: Solid
Analysis Batch: 361094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	0.0491	0.0503		mg/Kg		103	73 - 121	10	30
Ethylbenzene	0.0491	0.0555		mg/Kg		113	78 - 121	7	30
2-Hexanone	0.246	0.289		mg/Kg		118	60 - 126	28	30
Isopropylbenzene	0.0491	0.0577		mg/Kg		118	79 - 124	7	30
Methyl acetate	0.246	0.254		mg/Kg		104	43 - 135	11	30
Methylcyclohexane	0.0491	0.0559		mg/Kg		114	77 - 118	9	30
Methylene Chloride	0.0491	0.0470		mg/Kg		96	80 - 120	1	30
4-Methyl-2-pentanone	0.246	0.278		mg/Kg		113	59 - 127	21	30
Methyl tert-butyl ether	0.0491	0.0523		mg/Kg		107	80 - 121	4	30
Styrene	0.0491	0.0530		mg/Kg		108	78 - 123	7	30
1,1,2,2-Tetrachloroethane	0.0491	0.0517		mg/Kg		105	70 - 123	15	30
Tetrachloroethene	0.0491	0.0528		mg/Kg		107	77 - 130	11	30
Toluene	0.0491	0.0523		mg/Kg		106	73 - 122	11	30
trans-1,2-Dichloroethene	0.0491	0.0516		mg/Kg		105	79 - 120	2	30
trans-1,3-Dichloropropene	0.0491	0.0582		mg/Kg		119	69 - 133	12	30
1,2,4-Trichlorobenzene	0.0491	0.0599		mg/Kg		122	77 - 142	8	30
1,1,1-Trichloroethane	0.0491	0.0523		mg/Kg		106	73 - 132	6	30
1,1,2-Trichloroethane	0.0491	0.0486		mg/Kg		99	72 - 124	12	30
Trichloroethene	0.0491	0.0532		mg/Kg		108	78 - 125	9	30
Trichlorofluoromethane	0.0491	0.0495		mg/Kg		101	60 - 148	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0491	0.0485		mg/Kg		99	62 - 141	4	40
Vinyl chloride	0.0491	0.0456		mg/Kg		93	65 - 133	7	30
Xylenes, Total	0.0982	0.112		mg/Kg		114	79 - 121	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*65 - 130*
Dibromofluoromethane (Surr)	*105*		*65 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 130*
Toluene-d8 (Surr)	*113*		*65 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-361143/2-A
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.041	U	0.33	0.041	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Acenaphthylene	0.036	U	0.33	0.036	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Acetophenone	0.028	U	0.33	0.028	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Anthracene	0.025	U	0.33	0.025	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Atrazine	0.023	U	0.33	0.023	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Benzaldehyde	0.058	U	0.33	0.058	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Benzo[a]anthracene	0.027	U	0.33	0.027	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Benzo[a]pyrene	0.052	U	0.33	0.052	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Benzo[b]fluoranthene	0.038	U	0.33	0.038	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Benzo[g,h,i]perylene	0.022	U	0.33	0.022	mg/Kg		12/01/14 15:54	12/03/14 10:28	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-361143/2-A
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	0.065	U	0.33	0.065	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
1,1'-Biphenyl	1.7	U	1.7	1.7	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Bis(2-chloroethoxy)methane	0.039	U	0.33	0.039	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Bis(2-chloroethyl)ether	0.045	U	0.33	0.045	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
bis (2-chloroisopropyl) ether	0.030	U	0.33	0.030	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Bis(2-ethylhexyl) phthalate	0.029	U	0.33	0.029	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
4-Bromophenyl phenyl ether	0.036	U	0.33	0.036	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Butyl benzyl phthalate	0.026	U	0.33	0.026	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Caprolactam	0.066	U	0.33	0.066	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Carbazole	0.030	U	0.33	0.030	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
4-Chloroaniline	0.052	U	0.66	0.052	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
4-Chloro-3-methylphenol	0.035	U	0.33	0.035	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2-Chloronaphthalene	0.035	U	0.33	0.035	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2-Chlorophenol	0.040	U	0.33	0.040	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
4-Chlorophenyl phenyl ether	0.044	U	0.33	0.044	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Chrysene	0.021	U	0.33	0.021	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Dibenz(a,h)anthracene	0.039	U	0.33	0.039	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Dibenzofuran	0.033	U	0.33	0.033	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
3,3'-Dichlorobenzidine	0.028	U	0.66	0.028	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2,4-Dichlorophenol	0.035	U	0.33	0.035	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Diethyl phthalate	0.037	U	0.33	0.037	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2,4-Dimethylphenol	0.044	U	0.33	0.044	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Dimethyl phthalate	0.034	U	0.33	0.034	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Di-n-butyl phthalate	0.030	U	0.33	0.030	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
4,6-Dinitro-2-methylphenol	0.17	U	1.7	0.17	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2,4-Dinitrophenol	0.83	U	1.7	0.83	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2,4-Dinitrotoluene	0.049	U	0.33	0.049	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2,6-Dinitrotoluene	0.042	U	0.33	0.042	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Di-n-octyl phthalate	0.029	U	0.33	0.029	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Fluoranthene	0.032	U	0.33	0.032	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Fluorene	0.036	U	0.33	0.036	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Hexachlorobenzene	0.039	U	0.33	0.039	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Hexachlorobutadiene	0.036	U	0.33	0.036	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Hexachlorocyclopentadiene	0.041	U	0.33	0.041	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Hexachloroethane	0.028	U	0.33	0.028	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Indeno[1,2,3-cd]pyrene	0.028	U	0.33	0.028	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Isophorone	0.033	U	0.33	0.033	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2-Methylnaphthalene	0.038	U	0.33	0.038	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2-Methylphenol	0.027	U	0.33	0.027	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
3 & 4 Methylphenol	0.043	U	0.33	0.043	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Naphthalene	0.030	U	0.33	0.030	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2-Nitroaniline	0.045	U	1.7	0.045	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
3-Nitroaniline	0.046	U	1.7	0.046	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
4-Nitroaniline	0.049	U	1.7	0.049	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Nitrobenzene	0.026	U	0.33	0.026	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2-Nitrophenol	0.041	U	0.33	0.041	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
4-Nitrophenol	0.33	U	1.7	0.33	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
N-Nitrosodi-n-propylamine	0.032	U	0.33	0.032	mg/Kg		12/01/14 15:54	12/03/14 10:28	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-361143/2-A
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.033	U	0.33	0.033	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Pentachlorophenol	0.33	U	1.7	0.33	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Phenanthrene	0.027	U	0.33	0.027	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Phenol	0.034	U	0.33	0.034	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
Pyrene	0.027	U	0.33	0.027	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2,4,5-Trichlorophenol	0.035	U	0.33	0.035	mg/Kg		12/01/14 15:54	12/03/14 10:28	1
2,4,6-Trichlorophenol	0.029	U	0.33	0.029	mg/Kg		12/01/14 15:54	12/03/14 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*41 - 116*	*12/01/14 15:54*	*12/03/14 10:28*	*1*
2-Fluorophenol (Surr)	*81*		*39 - 114*	*12/01/14 15:54*	*12/03/14 10:28*	*1*
Nitrobenzene-d5 (Surr)	*78*		*37 - 115*	*12/01/14 15:54*	*12/03/14 10:28*	*1*
Phenol-d5 (Surr)	*80*		*38 - 122*	*12/01/14 15:54*	*12/03/14 10:28*	*1*
Terphenyl-d14 (Surr)	*100*		*46 - 126*	*12/01/14 15:54*	*12/03/14 10:28*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*45 - 129*	*12/01/14 15:54*	*12/03/14 10:28*	*1*

Lab Sample ID: LCS 680-361143/3-A
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3.33	2.37		mg/Kg		71	47 - 130
Acenaphthylene	3.33	2.75		mg/Kg		83	45 - 130
Acetophenone	3.33	2.45		mg/Kg		74	44 - 130
Anthracene	3.33	2.88		mg/Kg		87	50 - 130
Atrazine	3.33	2.72		mg/Kg		82	47 - 130
Benzaldehyde	3.33	0.770		mg/Kg		23	10 - 130
Benzo[a]anthracene	3.33	2.84		mg/Kg		86	50 - 130
Benzo[a]pyrene	3.33	2.98		mg/Kg		90	47 - 131
Benzo[b]fluoranthene	3.33	3.00		mg/Kg		90	48 - 130
Benzo[g,h,i]perylene	3.33	3.09		mg/Kg		93	42 - 130
Benzo[k]fluoranthene	3.33	3.00		mg/Kg		90	48 - 108
1,1'-Biphenyl	3.33	2.70		mg/Kg		81	48 - 130
Bis(2-chloroethoxy)methane	3.33	2.57		mg/Kg		77	47 - 130
Bis(2-chloroethyl)ether	3.33	2.71		mg/Kg		82	37 - 130
bis (2-chloroisopropyl) ether	3.33	2.23		mg/Kg		67	38 - 130
Bis(2-ethylhexyl) phthalate	3.33	2.82		mg/Kg		85	48 - 130
4-Bromophenyl phenyl ether	3.33	3.15		mg/Kg		95	53 - 130
Butyl benzyl phthalate	3.33	2.79		mg/Kg		84	53 - 134
Caprolactam	3.33	2.49		mg/Kg		75	44 - 130
Carbazole	3.33	2.86		mg/Kg		86	51 - 130
4-Chloroaniline	3.33	2.29		mg/Kg		69	10 - 130
4-Chloro-3-methylphenol	3.33	2.85		mg/Kg		86	51 - 130
2-Chloronaphthalene	3.33	2.77		mg/Kg		83	48 - 130
2-Chlorophenol	3.33	2.48		mg/Kg		75	47 - 130
4-Chlorophenyl phenyl ether	3.33	2.89		mg/Kg		87	49 - 130
Chrysene	3.33	2.95		mg/Kg		89	47 - 130
Dibenz(a,h)anthracene	3.33	3.09		mg/Kg		93	44 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-361143/3-A
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenzofuran	3.33	2.86		mg/Kg		86	49 - 130
3,3'-Dichlorobenzidine	3.33	2.34		mg/Kg		70	16 - 130
2,4-Dichlorophenol	3.33	2.88		mg/Kg		87	48 - 130
Diethyl phthalate	3.33	2.90		mg/Kg		87	49 - 130
2,4-Dimethylphenol	3.33	2.63		mg/Kg		79	43 - 130
Dimethyl phthalate	3.33	2.93		mg/Kg		88	50 - 130
Di-n-butyl phthalate	3.33	2.86		mg/Kg		86	52 - 130
4,6-Dinitro-2-methylphenol	6.65	2.77		mg/Kg		42	23 - 130
2,4-Dinitrophenol	6.65	1.68	J	mg/Kg		25	10 - 130
2,4-Dinitrotoluene	3.33	2.95		mg/Kg		89	49 - 111
2,6-Dinitrotoluene	3.33	2.99		mg/Kg		90	49 - 130
Di-n-octyl phthalate	3.33	2.66		mg/Kg		80	46 - 130
Fluoranthene	3.33	2.98		mg/Kg		90	51 - 130
Fluorene	3.33	2.84		mg/Kg		85	52 - 130
Hexachlorobenzene	3.33	3.00		mg/Kg		90	53 - 130
Hexachlorobutadiene	3.33	2.69		mg/Kg		81	48 - 130
Hexachlorocyclopentadiene	3.33	2.82		mg/Kg		85	28 - 130
Hexachloroethane	3.33	2.37		mg/Kg		71	42 - 130
Indeno[1,2,3-cd]pyrene	3.33	3.07		mg/Kg		92	41 - 130
Isophorone	3.33	2.57		mg/Kg		77	48 - 130
2-Methylnaphthalene	3.33	2.71		mg/Kg		82	48 - 130
2-Methylphenol	3.33	2.51		mg/Kg		76	46 - 130
3 & 4 Methylphenol	3.33	2.52		mg/Kg		76	46 - 130
Naphthalene	3.33	2.61		mg/Kg		79	47 - 130
2-Nitroaniline	3.33	2.85		mg/Kg		86	44 - 130
3-Nitroaniline	3.33	2.71		mg/Kg		81	21 - 130
4-Nitroaniline	3.33	2.73		mg/Kg		82	41 - 130
Nitrobenzene	3.33	2.51		mg/Kg		75	45 - 130
2-Nitrophenol	3.33	2.86		mg/Kg		86	43 - 130
4-Nitrophenol	6.65	5.66		mg/Kg		85	40 - 130
N-Nitrosodi-n-propylamine	3.33	2.42		mg/Kg		73	38 - 130
N-Nitrosodiphenylamine	3.33	2.83		mg/Kg		85	50 - 130
Pentachlorophenol	6.65	3.51		mg/Kg		53	41 - 130
Phenanthrene	3.33	2.89		mg/Kg		87	52 - 130
Phenol	3.33	2.59		mg/Kg		78	47 - 130
Pyrene	3.33	2.89		mg/Kg		87	50 - 130
2,4,5-Trichlorophenol	3.33	2.86		mg/Kg		86	51 - 130
2,4,6-Trichlorophenol	3.33	2.96		mg/Kg		89	50 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*41 - 116*
2-Fluorophenol (Surr)	*76*		*39 - 114*
Nitrobenzene-d5 (Surr)	*78*		*37 - 115*
Phenol-d5 (Surr)	*73*		*38 - 122*
Terphenyl-d14 (Surr)	*91*		*46 - 126*
2,4,6-Tribromophenol (Surr)	*95*		*45 - 129*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-107724-6 MS
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Borrow Pit
Prep Type: Total/NA
Prep Batch: 361143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.043	U	3.51	2.63		mg/Kg	☼	75	58 - 130
Acenaphthylene	0.038	U	3.51	3.02		mg/Kg	☼	86	58 - 130
Acetophenone	0.030	U	3.51	2.73		mg/Kg	☼	78	42 - 130
Anthracene	0.026	U	3.51	3.12		mg/Kg	☼	89	60 - 130
Atrazine	0.024	U	3.51	3.16		mg/Kg	☼	90	54 - 141
Benzaldehyde	0.061	U	3.51	2.95		mg/Kg	☼	84	10 - 130
Benzo[a]anthracene	0.028	U	3.51	3.10		mg/Kg	☼	88	62 - 130
Benzo[a]pyrene	0.055	U	3.51	3.29		mg/Kg	☼	93	68 - 131
Benzo[b]fluoranthene	0.040	U	3.51	3.31		mg/Kg	☼	94	53 - 130
Benzo[g,h,i]perylene	0.023	U	3.51	3.36		mg/Kg	☼	96	54 - 130
Benzo[k]fluoranthene	0.069	U	3.51	3.20		mg/Kg	☼	91	57 - 130
1,1'-Biphenyl	1.8	U	3.51	2.94		mg/Kg	☼	84	57 - 130
Bis(2-chloroethoxy)methane	0.041	U	3.51	2.82		mg/Kg	☼	80	56 - 130
Bis(2-chloroethyl)ether	0.047	U	3.51	2.88		mg/Kg	☼	82	42 - 130
bis (2-chloroisopropyl) ether	0.032	U	3.51	2.44		mg/Kg	☼	70	44 - 130
Bis(2-ethylhexyl) phthalate	0.031	U	3.51	3.06		mg/Kg	☼	87	62 - 132
4-Bromophenyl phenyl ether	0.038	U	3.51	3.41		mg/Kg	☼	97	65 - 130
Butyl benzyl phthalate	0.027	U	3.51	3.05		mg/Kg	☼	87	65 - 134
Caprolactam	0.070	U	3.51	2.96		mg/Kg	☼	84	52 - 130
Carbazole	0.032	U	3.51	3.11		mg/Kg	☼	88	60 - 130
4-Chloroaniline	0.055	U	3.51	0.870	F1	mg/Kg	☼	25	36 - 130
4-Chloro-3-methylphenol	0.037	U	3.51	2.93		mg/Kg	☼	83	52 - 130
2-Chloronaphthalene	0.037	U	3.51	2.98		mg/Kg	☼	85	55 - 130
2-Chlorophenol	0.042	U	3.51	2.66		mg/Kg	☼	76	51 - 130
4-Chlorophenyl phenyl ether	0.046	U	3.51	3.20		mg/Kg	☼	91	61 - 130
Chrysene	0.022	U	3.51	3.19		mg/Kg	☼	91	62 - 130
Dibenz(a,h)anthracene	0.041	U	3.51	3.31		mg/Kg	☼	94	56 - 130
Dibenzofuran	0.035	U	3.51	3.13		mg/Kg	☼	89	56 - 130
3,3'-Dichlorobenzidine	0.030	U	3.51	1.14	F1	mg/Kg	☼	33	45 - 130
2,4-Dichlorophenol	0.037	U	3.51	3.07		mg/Kg	☼	87	53 - 130
Diethyl phthalate	0.039	U	3.51	3.14		mg/Kg	☼	89	62 - 130
2,4-Dimethylphenol	0.046	U	3.51	2.84		mg/Kg	☼	81	47 - 130
Dimethyl phthalate	0.036	U	3.51	3.11		mg/Kg	☼	89	63 - 130
Di-n-butyl phthalate	0.032	U	3.51	3.09		mg/Kg	☼	88	65 - 130
4,6-Dinitro-2-methylphenol	0.18	U	7.03	5.71		mg/Kg	☼	81	14 - 137
2,4-Dinitrophenol	0.88	U	7.03	5.32		mg/Kg	☼	76	10 - 154
2,4-Dinitrotoluene	0.052	U	3.51	3.27		mg/Kg	☼	93	55 - 130
2,6-Dinitrotoluene	0.044	U	3.51	3.24		mg/Kg	☼	92	57 - 130
Di-n-octyl phthalate	0.031	U	3.51	2.98		mg/Kg	☼	85	59 - 146
Fluoranthene	0.034	U	3.51	3.22		mg/Kg	☼	92	62 - 130
Fluorene	0.038	U	3.51	3.13		mg/Kg	☼	89	58 - 130
Hexachlorobenzene	0.041	U	3.51	3.33		mg/Kg	☼	95	59 - 130
Hexachlorobutadiene	0.038	U	3.51	2.90		mg/Kg	☼	83	47 - 130
Hexachlorocyclopentadiene	0.043	U	3.51	3.11		mg/Kg	☼	89	35 - 130
Hexachloroethane	0.030	U	3.51	2.56		mg/Kg	☼	73	44 - 130
Indeno[1,2,3-cd]pyrene	0.030	U	3.51	3.36		mg/Kg	☼	95	52 - 130
Isophorone	0.035	U	3.51	2.77		mg/Kg	☼	79	48 - 130
2-Methylnaphthalene	0.040	U	3.51	2.89		mg/Kg	☼	82	55 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-107724-6 MS
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Borrow Pit
Prep Type: Total/NA
Prep Batch: 361143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	0.028	U	3.51	2.74		mg/Kg	☼	78	49 - 130
3 & 4 Methylphenol	0.045	U	3.51	2.85		mg/Kg	☼	81	50 - 130
Naphthalene	0.032	U	3.51	2.80		mg/Kg	☼	80	54 - 130
2-Nitroaniline	0.047	U	3.51	3.09		mg/Kg	☼	88	52 - 130
3-Nitroaniline	0.049	U	3.51	1.31	J F1	mg/Kg	☼	37	42 - 130
4-Nitroaniline	0.052	U	3.51	2.50		mg/Kg	☼	71	49 - 130
Nitrobenzene	0.027	U	3.51	2.65		mg/Kg	☼	75	43 - 130
2-Nitrophenol	0.043	U	3.51	3.11		mg/Kg	☼	88	45 - 130
4-Nitrophenol	0.35	U	7.03	6.03		mg/Kg	☼	86	30 - 130
N-Nitrosodi-n-propylamine	0.034	U	3.51	2.50		mg/Kg	☼	71	48 - 130
N-Nitrosodiphenylamine	0.035	U	3.51	3.06		mg/Kg	☼	87	62 - 130
Pentachlorophenol	0.35	U	7.03	4.18		mg/Kg	☼	59	38 - 131
Phenanthrene	0.028	U	3.51	3.12		mg/Kg	☼	89	61 - 130
Phenol	0.036	U	3.51	2.46		mg/Kg	☼	70	46 - 130
Pyrene	0.028	U	3.51	3.08		mg/Kg	☼	88	59 - 130
2,4,5-Trichlorophenol	0.037	U	3.51	3.14		mg/Kg	☼	89	60 - 130
2,4,6-Trichlorophenol	0.031	U	3.51	3.16		mg/Kg	☼	90	53 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*41 - 116*
2-Fluorophenol (Surr)	*76*		*39 - 114*
Nitrobenzene-d5 (Surr)	*79*		*37 - 115*
Phenol-d5 (Surr)	*75*		*38 - 122*
Terphenyl-d14 (Surr)	*89*		*46 - 126*
2,4,6-Tribromophenol (Surr)	*99*		*45 - 129*

Lab Sample ID: 680-107724-6 MSD
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Borrow Pit
Prep Type: Total/NA
Prep Batch: 361143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.043	U	3.52	2.03		mg/Kg	☼	58	58 - 130	26	50
Acenaphthylene	0.038	U	3.52	2.36		mg/Kg	☼	67	58 - 130	25	50
Acetophenone	0.030	U	3.52	2.13		mg/Kg	☼	60	42 - 130	25	50
Anthracene	0.026	U	3.52	2.37		mg/Kg	☼	67	60 - 130	27	50
Atrazine	0.024	U	3.52	2.25		mg/Kg	☼	64	54 - 141	34	50
Benzaldehyde	0.061	U	3.52	2.18		mg/Kg	☼	62	10 - 130	30	50
Benzo[a]anthracene	0.028	U	3.52	2.35		mg/Kg	☼	67	62 - 130	28	50
Benzo[a]pyrene	0.055	U	3.52	2.43		mg/Kg	☼	69	68 - 131	30	50
Benzo[b]fluoranthene	0.040	U	3.52	2.38		mg/Kg	☼	67	53 - 130	33	50
Benzo[g,h,i]perylene	0.023	U	3.52	2.53		mg/Kg	☼	72	54 - 130	28	50
Benzo[k]fluoranthene	0.069	U	3.52	2.49		mg/Kg	☼	71	57 - 130	25	50
1,1'-Biphenyl	1.8	U	3.52	2.32		mg/Kg	☼	66	57 - 130	24	50
Bis(2-chloroethoxy)methane	0.041	U	3.52	2.20		mg/Kg	☼	62	56 - 130	25	50
Bis(2-chloroethyl)ether	0.047	U	3.52	0.819	F1 F2	mg/Kg	☼	23	42 - 130	112	50
bis (2-chloroisopropyl) ether	0.032	U	3.52	1.91		mg/Kg	☼	54	44 - 130	25	50
Bis(2-ethylhexyl) phthalate	0.031	U	3.52	2.36		mg/Kg	☼	67	62 - 132	26	50
4-Bromophenyl phenyl ether	0.038	U	3.52	2.52		mg/Kg	☼	71	65 - 130	30	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-107724-6 MSD
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Borrow Pit
Prep Type: Total/NA
Prep Batch: 361143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	0.027	U	3.52	2.33		mg/Kg	☼	66	65 - 134	26	50
Caprolactam	0.070	U	3.52	2.27		mg/Kg	☼	64	52 - 130	26	50
Carbazole	0.032	U	3.52	2.33		mg/Kg	☼	66	60 - 130	29	50
4-Chloroaniline	0.055	U	3.52	0.689	J F1	mg/Kg	☼	20	36 - 130	23	50
4-Chloro-3-methylphenol	0.037	U	3.52	2.29		mg/Kg	☼	65	52 - 130	24	50
2-Chloronaphthalene	0.037	U	3.52	2.35		mg/Kg	☼	67	55 - 130	24	50
2-Chlorophenol	0.042	U	3.52	2.13		mg/Kg	☼	60	51 - 130	22	50
4-Chlorophenyl phenyl ether	0.046	U	3.52	2.49		mg/Kg	☼	71	61 - 130	25	50
Chrysene	0.022	U	3.52	2.47		mg/Kg	☼	70	62 - 130	26	50
Dibenz(a,h)anthracene	0.041	U	3.52	2.51		mg/Kg	☼	71	56 - 130	27	50
Dibenzofuran	0.035	U	3.52	2.39		mg/Kg	☼	68	56 - 130	27	50
3,3'-Dichlorobenzidine	0.030	U	3.52	0.896	F1	mg/Kg	☼	25	45 - 130	24	50
2,4-Dichlorophenol	0.037	U	3.52	2.41		mg/Kg	☼	68	53 - 130	24	50
Diethyl phthalate	0.039	U	3.52	2.45		mg/Kg	☼	69	62 - 130	25	50
2,4-Dimethylphenol	0.046	U	3.52	2.16		mg/Kg	☼	61	47 - 130	27	50
Dimethyl phthalate	0.036	U	3.52	2.40		mg/Kg	☼	68	63 - 130	26	50
Di-n-butyl phthalate	0.032	U	3.52	2.34		mg/Kg	☼	66	65 - 130	28	50
4,6-Dinitro-2-methylphenol	0.18	U	7.05	4.03		mg/Kg	☼	57	14 - 137	34	50
2,4-Dinitrophenol	0.88	U	7.05	3.57		mg/Kg	☼	51	10 - 154	39	50
2,4-Dinitrotoluene	0.052	U	3.52	2.52		mg/Kg	☼	72	55 - 130	26	50
2,6-Dinitrotoluene	0.044	U	3.52	2.42		mg/Kg	☼	69	57 - 130	29	50
Di-n-octyl phthalate	0.031	U	3.52	2.27		mg/Kg	☼	64	59 - 146	27	50
Fluoranthene	0.034	U	3.52	2.43		mg/Kg	☼	69	62 - 130	28	50
Fluorene	0.038	U	3.52	2.39		mg/Kg	☼	68	58 - 130	27	50
Hexachlorobenzene	0.041	U	3.52	2.47		mg/Kg	☼	70	59 - 130	30	50
Hexachlorobutadiene	0.038	U	3.52	2.30		mg/Kg	☼	65	47 - 130	23	50
Hexachlorocyclopentadiene	0.043	U	3.52	2.44		mg/Kg	☼	69	35 - 130	24	50
Hexachloroethane	0.030	U	3.52	2.01		mg/Kg	☼	57	44 - 130	24	50
Indeno[1,2,3-cd]pyrene	0.030	U	3.52	2.56		mg/Kg	☼	73	52 - 130	27	50
Isophorone	0.035	U	3.52	2.15		mg/Kg	☼	61	48 - 130	25	50
2-Methylnaphthalene	0.040	U	3.52	2.27		mg/Kg	☼	65	55 - 130	24	50
2-Methylphenol	0.028	U	3.52	2.14		mg/Kg	☼	61	49 - 130	25	50
3 & 4 Methylphenol	0.045	U	3.52	2.18		mg/Kg	☼	62	50 - 130	27	50
Naphthalene	0.032	U	3.52	2.18		mg/Kg	☼	62	54 - 130	25	50
2-Nitroaniline	0.047	U	3.52	2.34		mg/Kg	☼	66	52 - 130	28	50
3-Nitroaniline	0.049	U	3.52	1.15	J F1	mg/Kg	☼	33	42 - 130	13	50
4-Nitroaniline	0.052	U	3.52	1.86		mg/Kg	☼	53	49 - 130	29	50
Nitrobenzene	0.027	U	3.52	2.13		mg/Kg	☼	60	43 - 130	22	50
2-Nitrophenol	0.043	U	3.52	2.45		mg/Kg	☼	70	45 - 130	24	50
4-Nitrophenol	0.35	U	7.05	4.74		mg/Kg	☼	67	30 - 130	24	50
N-Nitrosodi-n-propylamine	0.034	U	3.52	1.98		mg/Kg	☼	56	48 - 130	23	50
N-Nitrosodiphenylamine	0.035	U	3.52	2.26		mg/Kg	☼	64	62 - 130	30	50
Pentachlorophenol	0.35	U	7.05	2.82		mg/Kg	☼	40	38 - 131	39	50
Phenanthrene	0.028	U	3.52	2.33		mg/Kg	☼	66	61 - 130	29	50
Phenol	0.036	U	3.52	1.99		mg/Kg	☼	57	46 - 130	21	50
Pyrene	0.028	U	3.52	2.41		mg/Kg	☼	68	59 - 130	24	50
2,4,5-Trichlorophenol	0.037	U	3.52	2.45		mg/Kg	☼	69	60 - 130	25	50
2,4,6-Trichlorophenol	0.031	U	3.52	2.44		mg/Kg	☼	69	53 - 130	26	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-107724-6 MSD
Matrix: Solid
Analysis Batch: 361381

Client Sample ID: Borrow Pit
Prep Type: Total/NA
Prep Batch: 361143

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	*67*		*41 - 116*
2-Fluorophenol (Surr)	*60*		*39 - 114*
Nitrobenzene-d5 (Surr)	*63*		*37 - 115*
Phenol-d5 (Surr)	*60*		*38 - 122*
Terphenyl-d14 (Surr)	*70*		*46 - 126*
2,4,6-Tribromophenol (Surr)	*74*		*45 - 129*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-361059/5-A
Matrix: Solid
Analysis Batch: 361275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00015	U	0.0017	0.00015	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
alpha-BHC	0.00014	U	0.0017	0.00014	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
beta-BHC	0.00033	U	0.0017	0.00033	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Chlordane (technical)	0.0029	U	0.017	0.0029	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
4,4'-DDD	0.00018	U	0.0017	0.00018	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
4,4'-DDE	0.00018	U	0.0017	0.00018	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
4,4'-DDT	0.00022	U	0.0017	0.00022	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
delta-BHC	0.00019	U	0.0017	0.00019	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Dieldrin	0.00017	U	0.0017	0.00017	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Endosulfan I	0.00017	U	0.0017	0.00017	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Endosulfan II	0.00015	U	0.0017	0.00015	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Endosulfan sulfate	0.00021	U	0.0017	0.00021	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Endrin	0.00022	U	0.0017	0.00022	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Endrin aldehyde	0.00022	U	0.0017	0.00022	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Endrin ketone	0.00020	U	0.0017	0.00020	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
gamma-BHC (Lindane)	0.00014	U	0.0017	0.00014	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Heptachlor	0.00019	U	0.0017	0.00019	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Heptachlor epoxide	0.00016	U	0.0017	0.00016	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Methoxychlor	0.00028	U	0.0017	0.00028	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
PCB-1016	0.011	U	0.033	0.011	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
PCB-1221	0.015	U	0.033	0.015	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
PCB-1232	0.0052	U	0.033	0.0052	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
PCB-1242	0.0050	U	0.033	0.0050	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
PCB-1248	0.0082	U	0.033	0.0082	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
PCB-1254	0.010	U	0.033	0.010	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
PCB-1260	0.0096	U	0.033	0.0096	mg/Kg		12/01/14 12:16	12/02/14 15:36	1
Toxaphene	0.0055	U	0.17	0.0055	mg/Kg		12/01/14 12:16	12/02/14 15:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*100*		*54 - 133*	*12/01/14 12:16*	*12/02/14 15:36*	*1*
Tetrachloro-m-xylene	*92*		*46 - 130*	*12/01/14 12:16*	*12/02/14 15:36*	*1*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-361059/10-A
Matrix: Solid
Analysis Batch: 361275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.00667	0.00649		mg/Kg		97	44 - 130
alpha-BHC	0.00667	0.00643		mg/Kg		96	42 - 130
beta-BHC	0.00667	0.00663		mg/Kg		99	48 - 131
4,4'-DDD	0.00667	0.00687		mg/Kg		103	46 - 135
4,4'-DDE	0.00667	0.00687		mg/Kg		103	45 - 130
4,4'-DDT	0.00667	0.00732		mg/Kg		110	45 - 144
delta-BHC	0.00667	0.00680		mg/Kg		102	49 - 130
Dieldrin	0.00667	0.00652		mg/Kg		98	47 - 130
Endosulfan I	0.00667	0.00628		mg/Kg		94	40 - 130
Endosulfan II	0.00667	0.00654		mg/Kg		98	45 - 130
Endosulfan sulfate	0.00667	0.00674		mg/Kg		101	50 - 142
Endrin	0.00667	0.00742		mg/Kg		111	46 - 155
Endrin aldehyde	0.00667	0.00770		mg/Kg		115	41 - 135
Endrin ketone	0.00667	0.00619		mg/Kg		93	43 - 153
gamma-BHC (Lindane)	0.00667	0.00663		mg/Kg		99	45 - 130
Heptachlor	0.00667	0.00706		mg/Kg		106	46 - 130
Heptachlor epoxide	0.00667	0.00658		mg/Kg		99	48 - 130
Methoxychlor	0.00667	0.00756		mg/Kg		113	43 - 166

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*102*		*54 - 133*
Tetrachloro-m-xylene	*96*		*46 - 130*

Lab Sample ID: LCS 680-361059/6-A
Matrix: Solid
Analysis Batch: 361275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.667	0.636		mg/Kg		95	43 - 130
PCB-1260	0.667	0.657		mg/Kg		99	45 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*54 - 133*
Tetrachloro-m-xylene	*88*		*46 - 130*

Lab Sample ID: 680-107724-6 MS
Matrix: Solid
Analysis Batch: 361275

Client Sample ID: Borrow Pit
Prep Type: Total/NA
Prep Batch: 361059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.00016	U	0.00703	0.00691		mg/Kg	☼	98	44 - 130
alpha-BHC	0.00015	U	0.00703	0.00673		mg/Kg	☼	96	42 - 130
beta-BHC	0.00035	U	0.00703	0.00728		mg/Kg	☼	104	48 - 131
4,4'-DDD	0.00019	U	0.00703	0.00738		mg/Kg	☼	105	46 - 135
4,4'-DDE	0.00019	U	0.00703	0.00755		mg/Kg	☼	107	45 - 130
4,4'-DDT	0.00023	U	0.00703	0.00805		mg/Kg	☼	115	45 - 144

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: 680-107724-6 MS
Matrix: Solid
Analysis Batch: 361275

Client Sample ID: Borrow Pit
Prep Type: Total/NA
Prep Batch: 361059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	0.00020	U	0.00703	0.00736		mg/Kg	☼	105	49 - 130
Dieldrin	0.00018	U	0.00703	0.00687		mg/Kg	☼	98	47 - 130
Endosulfan I	0.00018	U	0.00703	0.00643		mg/Kg	☼	91	40 - 130
Endosulfan II	0.00016	U	0.00703	0.00692		mg/Kg	☼	99	45 - 130
Endosulfan sulfate	0.00022	U	0.00703	0.00688		mg/Kg	☼	98	50 - 142
Endrin	0.00023	U	0.00703	0.00779		mg/Kg	☼	111	46 - 155
Endrin aldehyde	0.00023	U	0.00703	0.00852		mg/Kg	☼	121	41 - 135
Endrin ketone	0.00021	U	0.00703	0.00674		mg/Kg	☼	96	43 - 153
gamma-BHC (Lindane)	0.00015	U	0.00703	0.00699		mg/Kg	☼	99	45 - 130
Heptachlor	0.00020	U	0.00703	0.00752		mg/Kg	☼	107	46 - 130
Heptachlor epoxide	0.00017	U	0.00703	0.00696		mg/Kg	☼	99	48 - 130
Methoxychlor	0.00030	U	0.00703	0.00803		mg/Kg	☼	114	43 - 166

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*54 - 133*
Tetrachloro-m-xylene	*89*		*46 - 130*

Lab Sample ID: 680-107724-6 MSD
Matrix: Solid
Analysis Batch: 361275

Client Sample ID: Borrow Pit
Prep Type: Total/NA
Prep Batch: 361059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.00016	U	0.00705	0.00725		mg/Kg	☼	103	44 - 130	5	50
alpha-BHC	0.00015	U	0.00705	0.00728		mg/Kg	☼	103	42 - 130	8	50
beta-BHC	0.00035	U	0.00705	0.00751		mg/Kg	☼	106	48 - 131	3	50
4,4'-DDD	0.00019	U	0.00705	0.00763		mg/Kg	☼	108	46 - 135	3	50
4,4'-DDE	0.00019	U	0.00705	0.00777		mg/Kg	☼	110	45 - 130	3	50
4,4'-DDT	0.00023	U	0.00705	0.00829		mg/Kg	☼	118	45 - 144	3	50
delta-BHC	0.00020	U	0.00705	0.00771		mg/Kg	☼	109	49 - 130	5	50
Dieldrin	0.00018	U	0.00705	0.00717		mg/Kg	☼	102	47 - 130	4	50
Endosulfan I	0.00018	U	0.00705	0.00670		mg/Kg	☼	95	40 - 130	4	50
Endosulfan II	0.00016	U	0.00705	0.00711		mg/Kg	☼	101	45 - 130	3	50
Endosulfan sulfate	0.00022	U	0.00705	0.00719		mg/Kg	☼	102	50 - 142	4	50
Endrin	0.00023	U	0.00705	0.00809		mg/Kg	☼	115	46 - 155	4	50
Endrin aldehyde	0.00023	U	0.00705	0.00791		mg/Kg	☼	112	41 - 135	7	50
Endrin ketone	0.00021	U	0.00705	0.00675		mg/Kg	☼	96	43 - 153	0	50
gamma-BHC (Lindane)	0.00015	U	0.00705	0.00746		mg/Kg	☼	106	45 - 130	7	50
Heptachlor	0.00020	U	0.00705	0.00802		mg/Kg	☼	114	46 - 130	6	50
Heptachlor epoxide	0.00017	U	0.00705	0.00722		mg/Kg	☼	102	48 - 130	4	50
Methoxychlor	0.00030	U	0.00705	0.00831		mg/Kg	☼	118	43 - 166	4	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*54 - 133*
Tetrachloro-m-xylene	*97*		*46 - 130*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-361141/1-A
Matrix: Solid
Analysis Batch: 361282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.56	U	1.9	0.56	mg/Kg		12/01/14 15:22	12/02/14 11:01	1
Barium	0.29	U	0.95	0.29	mg/Kg		12/01/14 15:22	12/02/14 11:01	1
Cadmium	0.095	U	0.48	0.095	mg/Kg		12/01/14 15:22	12/02/14 11:01	1
Chromium	0.48	U	0.95	0.48	mg/Kg		12/01/14 15:22	12/02/14 11:01	1
Lead	0.50	U	0.95	0.50	mg/Kg		12/01/14 15:22	12/02/14 11:01	1
Selenium	0.95	U	2.4	0.95	mg/Kg		12/01/14 15:22	12/02/14 11:01	1
Silver	0.091	U	0.95	0.091	mg/Kg		12/01/14 15:22	12/02/14 11:01	1

Lab Sample ID: LCS 680-361141/2-A
Matrix: Solid
Analysis Batch: 361282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	9.09	9.29		mg/Kg		102	80 - 120
Barium	9.09	9.33		mg/Kg		103	80 - 120
Cadmium	4.55	4.74		mg/Kg		104	80 - 120
Chromium	9.09	9.66		mg/Kg		106	80 - 120
Lead	45.5	45.4		mg/Kg		100	80 - 120
Selenium	9.09	8.85		mg/Kg		97	80 - 120
Silver	4.55	4.53		mg/Kg		100	80 - 120

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 680-361142/13-A
Matrix: Solid
Analysis Batch: 361277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0072	U	0.018	0.0072	mg/Kg		12/01/14 15:23	12/02/14 10:23	1

Lab Sample ID: LCS 680-361142/14-A
Matrix: Solid
Analysis Batch: 361277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.227	0.232		mg/Kg		102	80 - 120

GC/MS VOA

Analysis Batch: 361094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	8260B	361144
LCS 680-361094/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 680-361094/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 680-361094/7	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 361144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 361143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	3546	
680-107724-6 MS	Borrow Pit	Total/NA	Solid	3546	
680-107724-6 MSD	Borrow Pit	Total/NA	Solid	3546	
LCS 680-361143/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-361143/2-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 361381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	8270D	361143
680-107724-6 MS	Borrow Pit	Total/NA	Solid	8270D	361143
680-107724-6 MSD	Borrow Pit	Total/NA	Solid	8270D	361143
LCS 680-361143/3-A	Lab Control Sample	Total/NA	Solid	8270D	361143
MB 680-361143/2-A	Method Blank	Total/NA	Solid	8270D	361143

GC Semi VOA

Prep Batch: 361059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	3546	
680-107724-6 MS	Borrow Pit	Total/NA	Solid	3546	
680-107724-6 MSD	Borrow Pit	Total/NA	Solid	3546	
LCS 680-361059/10-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-361059/6-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-361059/5-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 361275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	8081B/8082A	361059
680-107724-6 MS	Borrow Pit	Total/NA	Solid	8081B/8082A	361059
680-107724-6 MSD	Borrow Pit	Total/NA	Solid	8081B/8082A	361059
LCS 680-361059/10-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	361059
LCS 680-361059/6-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	361059
MB 680-361059/5-A	Method Blank	Total/NA	Solid	8081B/8082A	361059

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Metals

Prep Batch: 361141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	3050B	
LCS 680-361141/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-361141/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 361142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	7471B	
LCS 680-361142/14-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-361142/13-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 361277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	7471B	361142
LCS 680-361142/14-A	Lab Control Sample	Total/NA	Solid	7471B	361142
MB 680-361142/13-A	Method Blank	Total/NA	Solid	7471B	361142

Analysis Batch: 361282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	6010C	361141
LCS 680-361141/2-A	Lab Control Sample	Total/NA	Solid	6010C	361141
MB 680-361141/1-A	Method Blank	Total/NA	Solid	6010C	361141

General Chemistry

Analysis Batch: 361149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107724-6	Borrow Pit	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Client Sample ID: Borrow Pit
Date Collected: 12/01/14 13:18
Date Received: 12/01/14 14:39

Lab Sample ID: 680-107724-6
Matrix: Solid
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.156 g	5 mL	361144	12/01/14 15:28	FES	TAL SAV
Total/NA	Analysis	8260B		1	4.156 g	5 mL	361094	12/01/14 17:47	DJK	TAL SAV
	Instrument ID: CMSC									
Total/NA	Prep	3546			30.12 g	1 mL	361143	12/01/14 15:54	JMV	TAL SAV
Total/NA	Analysis	8270D		1	30.12 g	1 mL	361381	12/03/14 12:07	RAM	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3546			15.05 g	10 mL	361059	12/01/14 15:54	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.05 g	10 mL	361275	12/02/14 16:19	JCK	TAL SAV
	Instrument ID: CSGAA									
Total/NA	Prep	3050B			1.19 g	100 mL	361141	12/01/14 15:22	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.19 g	100 mL	361282	12/02/14 12:00	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7471B			0.60 g	50 mL	361142	12/01/14 15:23	JKL	TAL SAV
Total/NA	Analysis	7471B		1	0.60 g	50 mL	361277	12/02/14 10:50	JKL	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Analysis	Moisture		1			361149	12/01/14 16:13	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 90967

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

(✓) TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

( ) Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Rheem - Brampton Rd.	PROJECT NO.: 6121090220	PROJECT LOCATION (STATE)	PAGE 1 OF 1
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ( ) DATE DUE
CLIENT (SITE) PM: Paul Gazzo	CLIENT PHONE: 404 873 4761	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) (✓) DATE DUE 48 hours
CLIENT NAME: AMEC	CLIENT E-MAIL: Chuck.Ferry@AMEC.com Paul.Gazzo@AMEC.com		
CLIENT ADDRESS: 2677 Buford Highway, Atlanta, GA 30324			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1
COMPANY CONTRACTING THIS WORK (if applicable)			

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	VOCs 8268B	SVOCs 8270C	RCRA Metals 6010B	PCBs 8082	Pesticides 8081A						REMARKS
12/1/14	1318	Borrow Pit	✓		✓			✓	✓	✓	✓	✓						

PRESERVATIVE

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/1/14	1439						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	12-1-14	14:39	YES ( ) NO ( )		680-107724	4.8/4.5°C Cyanide

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 680-107724-2

Login Number: 107724

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-107730-1
Client Project/Site: Rheem - Brampton Rd.
Revision: 1

For:
AMEC Foster Wheeler E & I, Inc
2677 Buford Highway
Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:
3/17/2015 4:47:48 PM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

Links

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-107730-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: AMEC Environment & Infrastructure, Inc.
Project: Rheem - Brampton Rd.
Report Number: 680-107730-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/2/2014 7:38 AM; the samples arrived in good condition. The temperature of the cooler at receipt was 12.5º C.

03/17/2015: This report has been revised. The sample IDs for -3 and -4 were logged incorrectly and have been fixed.

METALS (ICP)

Samples B-BM-1 (680-107730-1), B-SW-1 (680-107730-2), B-SW-2 (680-107730-3), B-SW-3 (680-107730-4), B-SW-4 (680-107730-5), C-SW-1 (680-107730-6), C-SW-10 (680-107730-7), C-SW-6 (680-107730-8), C-SW-7 (680-107730-9), C-SW-8 (680-107730-10), C-SW-9 (680-107730-11), C-SW-2 (680-107730-12), C-SW-3 (680-107730-13), C-SW-4 (680-107730-14), C-SW-5 (680-107730-15), C-BM-1 (680-107730-16), C-BM-2 (680-107730-17), C-BM-3 (680-107730-18) and C-BM-4 (680-107730-19) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared and analyzed on 12/02/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples B-BM-1 (680-107730-1), B-SW-1 (680-107730-2), B-SW-2 (680-107730-3), B-SW-3 (680-107730-4), B-SW-4 (680-107730-5), C-SW-1 (680-107730-6), C-SW-10 (680-107730-7), C-SW-6 (680-107730-8), C-SW-7 (680-107730-9), C-SW-8 (680-107730-10), C-SW-9 (680-107730-11), C-SW-2 (680-107730-12), C-SW-3 (680-107730-13), C-SW-4 (680-107730-14), C-SW-5 (680-107730-15), C-BM-1 (680-107730-16), C-BM-2 (680-107730-17), C-BM-3 (680-107730-18) and C-BM-4 (680-107730-19) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/02/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-107730-1	B-BM-1	Solid	12/01/14 14:09	12/02/14 07:38
680-107730-2	B-SW-1	Solid	12/01/14 14:11	12/02/14 07:38
680-107730-3	B-SW-2	Solid	12/01/14 14:14	12/02/14 07:38
680-107730-4	B-SW-3	Solid	12/01/14 14:16	12/02/14 07:38
680-107730-5	B-SW-4	Solid	12/01/14 14:19	12/02/14 07:38
680-107730-6	C-SW-1	Solid	12/01/14 16:30	12/02/14 07:38
680-107730-7	C-SW-10	Solid	12/01/14 16:55	12/02/14 07:38
680-107730-8	C-SW-6	Solid	12/01/14 17:05	12/02/14 07:38
680-107730-9	C-SW-7	Solid	12/01/14 17:07	12/02/14 07:38
680-107730-10	C-SW-8	Solid	12/01/14 17:10	12/02/14 07:38
680-107730-11	C-SW-9	Solid	12/01/14 17:12	12/02/14 07:38
680-107730-12	C-SW-2	Solid	12/01/14 17:13	12/02/14 07:38
680-107730-13	C-SW-3	Solid	12/01/14 17:14	12/02/14 07:38
680-107730-14	C-SW-4	Solid	12/01/14 17:15	12/02/14 07:38
680-107730-15	C-SW-5	Solid	12/01/14 17:17	12/02/14 07:38
680-107730-16	C-BM-1	Solid	12/01/14 17:19	12/02/14 07:38
680-107730-17	C-BM-2	Solid	12/01/14 17:22	12/02/14 07:38
680-107730-18	C-BM-3	Solid	12/01/14 17:25	12/02/14 07:38
680-107730-19	C-BM-4	Solid	12/01/14 17:27	12/02/14 07:38

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: B-BM-1
Date Collected: 12/01/14 14:09
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-1
Matrix: Solid
Percent Solids: 87.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.9		1.1	0.59	mg/Kg	☼	12/02/14 08:41	12/02/14 18:51	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: B-SW-1
Date Collected: 12/01/14 14:11
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-2
Matrix: Solid
Percent Solids: 88.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		1.1	0.57	mg/Kg	☼	12/02/14 08:41	12/02/14 19:14	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: B-SW-2
Date Collected: 12/01/14 14:14
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-3
Matrix: Solid
Percent Solids: 91.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8		0.96	0.51	mg/Kg	☼	12/02/14 08:41	12/02/14 19:18	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: B-SW-3
Date Collected: 12/01/14 14:16
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-4
Matrix: Solid
Percent Solids: 89.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.3		1.1	0.58	mg/Kg	☼	12/02/14 08:41	12/02/14 19:23	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: B-SW-4
Date Collected: 12/01/14 14:19
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-5
Matrix: Solid
Percent Solids: 88.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		1.1	0.58	mg/Kg	☼	12/02/14 08:41	12/02/14 19:37	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-1
Date Collected: 12/01/14 16:30
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-6
Matrix: Solid
Percent Solids: 88.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	830		1.0	0.53	mg/Kg	☼	12/02/14 08:41	12/02/14 19:41	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-10
Date Collected: 12/01/14 16:55
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-7
Matrix: Solid
Percent Solids: 83.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	260		1.2	0.63	mg/Kg	☼	12/02/14 08:41	12/02/14 19:46	1

Client Sample Results

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-6
Date Collected: 12/01/14 17:05
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-8
Matrix: Solid
Percent Solids: 80.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	360		1.2	0.63	mg/Kg	☼	12/02/14 08:41	12/02/14 19:50	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-7
Date Collected: 12/01/14 17:07
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-9
Matrix: Solid
Percent Solids: 94.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		0.94	0.50	mg/Kg	☼	12/02/14 08:41	12/02/14 19:55	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-8
Date Collected: 12/01/14 17:10
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-10
Matrix: Solid
Percent Solids: 86.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	93		1.1	0.56	mg/Kg	☼	12/02/14 08:41	12/02/14 20:00	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-9
Date Collected: 12/01/14 17:12
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-11
Matrix: Solid
Percent Solids: 83.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150		1.1	0.58	mg/Kg	☼	12/02/14 08:41	12/02/14 20:04	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-2
Date Collected: 12/01/14 17:13
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-12
Matrix: Solid
Percent Solids: 88.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	280		1.1	0.56	mg/Kg	☼	12/02/14 08:41	12/02/14 20:09	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-3
Date Collected: 12/01/14 17:14
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-13
Matrix: Solid
Percent Solids: 91.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	89		0.94	0.50	mg/Kg	☼	12/02/14 08:41	12/02/14 20:13	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-4
Date Collected: 12/01/14 17:15
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-14
Matrix: Solid
Percent Solids: 93.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	49		1.1	0.57	mg/Kg	☼	12/02/14 08:41	12/02/14 20:18	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-5
Date Collected: 12/01/14 17:17
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-15
Matrix: Solid
Percent Solids: 85.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		0.99	0.53	mg/Kg	☼	12/02/14 08:41	12/02/14 20:32	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-BM-1
Date Collected: 12/01/14 17:19
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-16
Matrix: Solid
Percent Solids: 84.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	250		1.0	0.54	mg/Kg	☼	12/02/14 08:41	12/02/14 20:36	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-BM-2
Date Collected: 12/01/14 17:22
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-17
Matrix: Solid
Percent Solids: 93.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		1.1	0.56	mg/Kg	☼	12/02/14 08:41	12/02/14 20:41	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-BM-3
Date Collected: 12/01/14 17:25
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-18
Matrix: Solid
Percent Solids: 91.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20		1.0	0.53	mg/Kg	☼	12/02/14 08:41	12/02/14 20:46	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-BM-4
Date Collected: 12/01/14 17:27
Date Received: 12/02/14 07:38

Lab Sample ID: 680-107730-19
Matrix: Solid
Percent Solids: 88.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		1.1	0.56	mg/Kg	☼	12/02/14 08:41	12/02/14 20:50	1

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-361205/1-A
Matrix: Solid
Analysis Batch: 361389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.50	U	0.94	0.50	mg/Kg		12/02/14 08:41	12/02/14 18:42	1

Lab Sample ID: LCS 680-361205/2-A
Matrix: Solid
Analysis Batch: 361389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	49.0	49.3		mg/Kg		101	80 - 120

Lab Sample ID: 680-107730-1 MS
Matrix: Solid
Analysis Batch: 361389

Client Sample ID: B-BM-1
Prep Type: Total/NA
Prep Batch: 361205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	3.9		54.9	59.6		mg/Kg	☼	101	75 - 125

Lab Sample ID: 680-107730-1 MSD
Matrix: Solid
Analysis Batch: 361389

Client Sample ID: B-BM-1
Prep Type: Total/NA
Prep Batch: 361205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	3.9		54.9	58.7		mg/Kg	☼	100	75 - 125	1	20

Metals

Prep Batch: 361205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107730-1	B-BM-1	Total/NA	Solid	3050B	
680-107730-1 MS	B-BM-1	Total/NA	Solid	3050B	
680-107730-1 MSD	B-BM-1	Total/NA	Solid	3050B	
680-107730-2	B-SW-1	Total/NA	Solid	3050B	
680-107730-3	B-SW-2	Total/NA	Solid	3050B	
680-107730-4	B-SW-3	Total/NA	Solid	3050B	
680-107730-5	B-SW-4	Total/NA	Solid	3050B	
680-107730-6	C-SW-1	Total/NA	Solid	3050B	
680-107730-7	C-SW-10	Total/NA	Solid	3050B	
680-107730-8	C-SW-6	Total/NA	Solid	3050B	
680-107730-9	C-SW-7	Total/NA	Solid	3050B	
680-107730-10	C-SW-8	Total/NA	Solid	3050B	
680-107730-11	C-SW-9	Total/NA	Solid	3050B	
680-107730-12	C-SW-2	Total/NA	Solid	3050B	
680-107730-13	C-SW-3	Total/NA	Solid	3050B	
680-107730-14	C-SW-4	Total/NA	Solid	3050B	
680-107730-15	C-SW-5	Total/NA	Solid	3050B	
680-107730-16	C-BM-1	Total/NA	Solid	3050B	
680-107730-17	C-BM-2	Total/NA	Solid	3050B	
680-107730-18	C-BM-3	Total/NA	Solid	3050B	
680-107730-19	C-BM-4	Total/NA	Solid	3050B	
LCS 680-361205/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-361205/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 361389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107730-1	B-BM-1	Total/NA	Solid	6010C	361205
680-107730-1 MS	B-BM-1	Total/NA	Solid	6010C	361205
680-107730-1 MSD	B-BM-1	Total/NA	Solid	6010C	361205
680-107730-2	B-SW-1	Total/NA	Solid	6010C	361205
680-107730-3	B-SW-2	Total/NA	Solid	6010C	361205
680-107730-4	B-SW-3	Total/NA	Solid	6010C	361205
680-107730-5	B-SW-4	Total/NA	Solid	6010C	361205
680-107730-6	C-SW-1	Total/NA	Solid	6010C	361205
680-107730-7	C-SW-10	Total/NA	Solid	6010C	361205
680-107730-8	C-SW-6	Total/NA	Solid	6010C	361205
680-107730-9	C-SW-7	Total/NA	Solid	6010C	361205
680-107730-10	C-SW-8	Total/NA	Solid	6010C	361205
680-107730-11	C-SW-9	Total/NA	Solid	6010C	361205
680-107730-12	C-SW-2	Total/NA	Solid	6010C	361205
680-107730-13	C-SW-3	Total/NA	Solid	6010C	361205
680-107730-14	C-SW-4	Total/NA	Solid	6010C	361205
680-107730-15	C-SW-5	Total/NA	Solid	6010C	361205
680-107730-16	C-BM-1	Total/NA	Solid	6010C	361205
680-107730-17	C-BM-2	Total/NA	Solid	6010C	361205
680-107730-18	C-BM-3	Total/NA	Solid	6010C	361205
680-107730-19	C-BM-4	Total/NA	Solid	6010C	361205
LCS 680-361205/2-A	Lab Control Sample	Total/NA	Solid	6010C	361205
MB 680-361205/1-A	Method Blank	Total/NA	Solid	6010C	361205

QC Association Summary

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

General Chemistry

Analysis Batch: 361211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107730-1	B-BM-1	Total/NA	Solid	Moisture	
680-107730-2	B-SW-1	Total/NA	Solid	Moisture	
680-107730-3	B-SW-2	Total/NA	Solid	Moisture	
680-107730-4	B-SW-3	Total/NA	Solid	Moisture	
680-107730-5	B-SW-4	Total/NA	Solid	Moisture	
680-107730-6	C-SW-1	Total/NA	Solid	Moisture	
680-107730-7	C-SW-10	Total/NA	Solid	Moisture	
680-107730-8	C-SW-6	Total/NA	Solid	Moisture	
680-107730-9	C-SW-7	Total/NA	Solid	Moisture	
680-107730-10	C-SW-8	Total/NA	Solid	Moisture	
680-107730-11	C-SW-9	Total/NA	Solid	Moisture	
680-107730-12	C-SW-2	Total/NA	Solid	Moisture	
680-107730-13	C-SW-3	Total/NA	Solid	Moisture	
680-107730-14	C-SW-4	Total/NA	Solid	Moisture	
680-107730-15	C-SW-5	Total/NA	Solid	Moisture	
680-107730-16	C-BM-1	Total/NA	Solid	Moisture	
680-107730-17	C-BM-2	Total/NA	Solid	Moisture	
680-107730-18	C-BM-3	Total/NA	Solid	Moisture	
680-107730-19	C-BM-4	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: B-BM-1

Lab Sample ID: 680-107730-1
Date Collected: 12/01/14 14:09
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.03 g	100 mL	361389	12/02/14 18:51	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: B-SW-1

Lab Sample ID: 680-107730-2
Date Collected: 12/01/14 14:11
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.05 g	100 mL	361389	12/02/14 19:14	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: B-SW-2

Lab Sample ID: 680-107730-3
Date Collected: 12/01/14 14:14
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.14 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.14 g	100 mL	361389	12/02/14 19:18	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: B-SW-3

Lab Sample ID: 680-107730-4
Date Collected: 12/01/14 14:16
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.01 g	100 mL	361389	12/02/14 19:23	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: B-SW-4

Lab Sample ID: 680-107730-5

Date Collected: 12/01/14 14:19
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.03 g	100 mL	361389	12/02/14 19:37	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-SW-1

Lab Sample ID: 680-107730-6

Date Collected: 12/01/14 16:30
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.12 g	100 mL	361389	12/02/14 19:41	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-SW-10

Lab Sample ID: 680-107730-7

Date Collected: 12/01/14 16:55
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.01 g	100 mL	361389	12/02/14 19:46	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-SW-6

Lab Sample ID: 680-107730-8

Date Collected: 12/01/14 17:05
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.05 g	100 mL	361389	12/02/14 19:50	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-7

Lab Sample ID: 680-107730-9
Date Collected: 12/01/14 17:07
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.13 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.13 g	100 mL	361389	12/02/14 19:55	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-SW-8

Lab Sample ID: 680-107730-10
Date Collected: 12/01/14 17:10
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.10 g	100 mL	361389	12/02/14 20:00	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-SW-9

Lab Sample ID: 680-107730-11
Date Collected: 12/01/14 17:12
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	361389	12/02/14 20:04	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-SW-2

Lab Sample ID: 680-107730-12
Date Collected: 12/01/14 17:13
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.06 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.06 g	100 mL	361389	12/02/14 20:09	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-3

Lab Sample ID: 680-107730-13

Date Collected: 12/01/14 17:14
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.16 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.16 g	100 mL	361389	12/02/14 20:13	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-SW-4

Lab Sample ID: 680-107730-14

Date Collected: 12/01/14 17:15
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.00 g	100 mL	361389	12/02/14 20:18	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-SW-5

Lab Sample ID: 680-107730-15

Date Collected: 12/01/14 17:17
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.18 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.18 g	100 mL	361389	12/02/14 20:32	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-BM-1

Lab Sample ID: 680-107730-16

Date Collected: 12/01/14 17:19
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.15 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.15 g	100 mL	361389	12/02/14 20:36	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-BM-2

Lab Sample ID: 680-107730-17

Date Collected: 12/01/14 17:22
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.01 g	100 mL	361389	12/02/14 20:41	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-BM-3

Lab Sample ID: 680-107730-18

Date Collected: 12/01/14 17:25
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.10 g	100 mL	361389	12/02/14 20:46	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: C-BM-4

Lab Sample ID: 680-107730-19

Date Collected: 12/01/14 17:27
Matrix: Solid
Date Received: 12/02/14 07:38
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	361205	12/02/14 08:41	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	361389	12/02/14 20:50	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 90959

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Rheem - Brampton Rd.	6121090220	GA
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Paul Gazzo	CLIENT PHONE: 4048734761	CLIENT FAX
CLIENT NAME: AMEC	CLIENT E-MAIL: Paul.Gazzo1@gmail.com; Chuck.Ferry@Amec.com	
CLIENT ADDRESS: 2677 Buford Highway, Atlanta, GA 30324		
COMPANY CONTRACTING THIS WORK (if applicable)		

MATRIX TYPE — COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 6010C - Lead; 6010B; PRESERVATIVE

PAGE 1 OF 2

STANDARD REPORT DELIVERY ( )
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) (✓) 24 HRS PER
DATE DUE Dave Fuller
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMP (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12/1/14	1409	B-BM-1	G		✓			✓	Additional email:
12/1/14	1411	B-SW-1	G		✓			✓	Paul.Gazzo@Amec.com
12/1/14	1414	B-SW-2	G		✓			✓	
12/1/14	1416	B-SW-3	G		✓			✓	
12/1/14	1419	B-SW-4	G		✓			✓	
12/1/14	1630	C-SW-1	G		✓			✓	
12/1/14	1655	C-SW-10	G		✓			✓	
12/1/14	1705	C-SW-6	G		✓			✓	
12/1/14	1707	C-SW-7	G		✓			✓	
12/1/14	1710	C-SW-8	G		✓			✓	
12/1/14	1712	C-SW-9	G		✓			✓	
12/1/14	1713	C-SW-2	G		✓			✓	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	12/2/14	0736						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LAB LOG NO.	LABORATORY REMARKS
	12/02/14	0738	YES ( ) NO ( )		680-107729 12/02/14	107730 12.8 °C / 12.5 °C corr. NO ice

TAL8240-680 (1008)

Page 33 of 36

3/17/2015

Serial Number 90966

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

(✓) TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

( ) Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Rheem - Brampton Rd.	PROJECT NO.: 6121090220	PROJECT LOCATION (STATE):	PAGE 2 OF 2
TAL (LAB) PROJECT MANAGER:	P.O. NUMBER:	CONTRACT NO.:	STANDARD REPORT DELIVERY ( ) DATE DUE
CLIENT (SITE) PM: Paul Gazzo	CLIENT PHONE: 4048734761	CLIENT FAX:	EXPEDITED REPORT DELIVERY (SURCHARGE) (✓) 24 Hours Per DATE DUE Dave Fuller
CLIENT NAME: AMEC	CLIENT E-MAIL: Paul.Gazzo61@gmail.com Chuck.Ferry@AMEC.com		
CLIENT ADDRESS: 2677 Buford Highway, Atlanta, GA 30324			
COMPANY CONTRACTING THIS WORK (if applicable):			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 6010C - Lead

PRESERVATIVE

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	6010C - Lead	REMARKS
12/1/14	1714	C - SW-3	G		✓			✓	Additional E-mail:
12/1/14	1715	C - SW-4	G		✓			✓	Paul.Gazzo@AMEC.com
12/1/14	1717	C - SW-5	G		✓			✓	
12/1/14	1719	C - BM-1	G		✓			✓	
12/1/14	1722	C - BM-2	G		✓			✓	
12/1/14	1725	C - BM-3	G		✓			✓	
12/1/14	1727	C - BM-4	G		✓			✓	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/2/14	0738						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	12/02/14	0738	YES ( ) NO ( )		680-~~107724~~ 107730 12/02/14	12.8 °C / 12.5 °C corr NO ice

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: AMEC Foster Wheeler E & I, Inc

Job Number: 680-107730-1

Login Number: 107730

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-107741-1
Client Project/Site: Rheem - Brampton Rd.

For:
AMEC Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:
12/3/2014 2:47:43 PM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-107741-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: AMEC Environment & Infrastructure, Inc.
Project: Rheem - Brampton Rd.
Report Number: 680-107741-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/2/2014 11:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.9º C.

METALS (ICP)

Samples E-BM-1 (680-107741-1), E-SW-1 (680-107741-2), E-SW-2 (680-107741-3), E-SW-3 (680-107741-4) and E-SW-4 (680-107741-5) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared and analyzed on 12/02/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples E-BM-1 (680-107741-1), E-SW-1 (680-107741-2), E-SW-2 (680-107741-3), E-SW-3 (680-107741-4) and E-SW-4 (680-107741-5) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/02/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-107741-1	E-BM-1	Solid	12/02/14 10:26	12/02/14 11:14
680-107741-2	E-SW-1	Solid	12/02/14 10:16	12/02/14 11:14
680-107741-3	E-SW-2	Solid	12/02/14 10:19	12/02/14 11:14
680-107741-4	E-SW-3	Solid	12/02/14 10:21	12/02/14 11:14
680-107741-5	E-SW-4	Solid	12/02/14 10:24	12/02/14 11:14

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Client Sample ID: E-BM-1
Date Collected: 12/02/14 10:26
Date Received: 12/02/14 11:14

Lab Sample ID: 680-107741-1
Matrix: Solid
Percent Solids: 86.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.7		1.1	0.56	mg/Kg	☼	12/02/14 12:00	12/02/14 21:04	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Client Sample ID: E-SW-1
Date Collected: 12/02/14 10:16
Date Received: 12/02/14 11:14

Lab Sample ID: 680-107741-2
Matrix: Solid
Percent Solids: 83.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	340		1.2	0.64	mg/Kg	☼	12/02/14 12:00	12/02/14 21:36	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Client Sample ID: E-SW-2
Date Collected: 12/02/14 10:19
Date Received: 12/02/14 11:14

Lab Sample ID: 680-107741-3
Matrix: Solid
Percent Solids: 82.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1100		1.1	0.59	mg/Kg	☼	12/02/14 12:00	12/02/14 21:41	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Client Sample ID: E-SW-3
Date Collected: 12/02/14 10:21
Date Received: 12/02/14 11:14

Lab Sample ID: 680-107741-4
Matrix: Solid
Percent Solids: 83.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	910		1.1	0.58	mg/Kg	☼	12/02/14 12:00	12/02/14 21:45	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Client Sample ID: E-SW-4
Date Collected: 12/02/14 10:24
Date Received: 12/02/14 11:14

Lab Sample ID: 680-107741-5
Matrix: Solid
Percent Solids: 79.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	250		1.2	0.63	mg/Kg	☼	12/02/14 12:00	12/02/14 21:50	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-361247/1-A
Matrix: Solid
Analysis Batch: 361389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.52	U	0.98	0.52	mg/Kg		12/02/14 12:00	12/02/14 20:55	1

Lab Sample ID: LCS 680-361247/2-A
Matrix: Solid
Analysis Batch: 361389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	47.6	48.1		mg/Kg		101	80 - 120

Lab Sample ID: 680-107741-1 MS
Matrix: Solid
Analysis Batch: 361389

Client Sample ID: E-BM-1
Prep Type: Total/NA
Prep Batch: 361247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	5.7		52.8	59.1		mg/Kg	☼	101	75 - 125

Lab Sample ID: 680-107741-1 MSD
Matrix: Solid
Analysis Batch: 361389

Client Sample ID: E-BM-1
Prep Type: Total/NA
Prep Batch: 361247

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	5.7		52.8	60.8		mg/Kg	☼	104	75 - 125	3	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Metals

Prep Batch: 361247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107741-1	E-BM-1	Total/NA	Solid	3050B	
680-107741-1 MS	E-BM-1	Total/NA	Solid	3050B	
680-107741-1 MSD	E-BM-1	Total/NA	Solid	3050B	
680-107741-2	E-SW-1	Total/NA	Solid	3050B	
680-107741-3	E-SW-2	Total/NA	Solid	3050B	
680-107741-4	E-SW-3	Total/NA	Solid	3050B	
680-107741-5	E-SW-4	Total/NA	Solid	3050B	
LCS 680-361247/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-361247/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 361389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107741-1	E-BM-1	Total/NA	Solid	6010C	361247
680-107741-1 MS	E-BM-1	Total/NA	Solid	6010C	361247
680-107741-1 MSD	E-BM-1	Total/NA	Solid	6010C	361247
680-107741-2	E-SW-1	Total/NA	Solid	6010C	361247
680-107741-3	E-SW-2	Total/NA	Solid	6010C	361247
680-107741-4	E-SW-3	Total/NA	Solid	6010C	361247
680-107741-5	E-SW-4	Total/NA	Solid	6010C	361247
LCS 680-361247/2-A	Lab Control Sample	Total/NA	Solid	6010C	361247
MB 680-361247/1-A	Method Blank	Total/NA	Solid	6010C	361247

General Chemistry

Analysis Batch: 361245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107741-1	E-BM-1	Total/NA	Solid	Moisture	
680-107741-2	E-SW-1	Total/NA	Solid	Moisture	
680-107741-3	E-SW-2	Total/NA	Solid	Moisture	
680-107741-4	E-SW-3	Total/NA	Solid	Moisture	
680-107741-5	E-SW-4	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Client Sample ID: E-BM-1

Lab Sample ID: 680-107741-1
Date Collected: 12/02/14 10:26
Matrix: Solid
Date Received: 12/02/14 11:14
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	361247	12/02/14 12:00	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	361389	12/02/14 21:04	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361245	12/02/14 11:52	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: E-SW-1

Lab Sample ID: 680-107741-2
Date Collected: 12/02/14 10:16
Matrix: Solid
Date Received: 12/02/14 11:14
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	361247	12/02/14 12:00	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.00 g	100 mL	361389	12/02/14 21:36	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361245	12/02/14 11:52	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: E-SW-2

Lab Sample ID: 680-107741-3
Date Collected: 12/02/14 10:19
Matrix: Solid
Date Received: 12/02/14 11:14
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	361247	12/02/14 12:00	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	361389	12/02/14 21:41	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361245	12/02/14 11:52	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: E-SW-3

Lab Sample ID: 680-107741-4
Date Collected: 12/02/14 10:21
Matrix: Solid
Date Received: 12/02/14 11:14
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	361247	12/02/14 12:00	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	361389	12/02/14 21:45	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361245	12/02/14 11:52	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Client Sample ID: E-SW-4
Date Collected: 12/02/14 10:24
Date Received: 12/02/14 11:14

Lab Sample ID: 680-107741-5
Matrix: Solid
Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.06 g	100 mL	361247	12/02/14 12:00	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.06 g	100 mL	361389	12/02/14 21:50	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361245	12/02/14 11:52	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 90960

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

✓ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Rheem - Brampton Rd.	60121090220	GA
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Paul Gazzo	CLIENT PHONE: 404 873 4761	CLIENT FAX
CLIENT NAME: AMEC	CLIENT E-MAIL: Paul.Gazzo61@gmail.com; Chuck.ferry@AMEC.com	
CLIENT ADDRESS: 2677 Buford Highway, Atlanta, GA 30324		
COMPANY CONTRACTING THIS WORK (if applicable)		

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 6010C - Lead

PRESERVATIVE

PAGE 1 OF 1

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ✓ 24 hr. Turn

DATE DUE Per Dave Fuller

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12/2/14	1026	E-BM-1	G		✓			✓	Additional Email:
12/2/14	1016	E-SW-1	G		✓			✓	Paul.Gazzo@AMEC.com
12/2/14	1019	E-SW-2	G		✓			✓	
12/2/14	1021	E-SW-3	G		✓			✓	
12/2/14	1024	E-SW-4	G		✓			✓	

680-107741 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	12/2/14	11:14						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	12/2/14	11:14	YES ○ NO ○		680-107741	14.2/13.9 °C

TAL8240-680 (1008)

Page 15 of 17

12/9/2014

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 680-107741-1

Login Number: 107741

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-107761-1
Client Project/Site: Rheem - Brampton Rd.

For:
AMEC Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:
12/3/2014 2:51:34 PM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-107761-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: AMEC Environment & Infrastructure, Inc.
Project: Rheem - Brampton Rd.
Report Number: 680-107761-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/2/2014 3:07 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 22.1° C.

METALS (ICP)

Samples D-BM-1 (680-107761-1), D-SW-1 (680-107761-2), D-SW-2 (680-107761-3), D-SW-3 (680-107761-4) and D-SW-4 (680-107761-5) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 12/02/2014 and analyzed on 12/03/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples D-BM-1 (680-107761-1), D-SW-1 (680-107761-2), D-SW-2 (680-107761-3), D-SW-3 (680-107761-4) and D-SW-4 (680-107761-5) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/02/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-107761-1	D-BM-1	Solid	12/02/14 14:24	12/02/14 15:07
680-107761-2	D-SW-1	Solid	12/02/14 14:26	12/02/14 15:07
680-107761-3	D-SW-2	Solid	12/02/14 14:28	12/02/14 15:07
680-107761-4	D-SW-3	Solid	12/02/14 14:31	12/02/14 15:07
680-107761-5	D-SW-4	Solid	12/02/14 14:33	12/02/14 15:07

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Client Sample ID: D-BM-1
Date Collected: 12/02/14 14:24
Date Received: 12/02/14 15:07

Lab Sample ID: 680-107761-1
Matrix: Solid
Percent Solids: 79.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		1.2	0.65	mg/Kg	☼	12/02/14 15:25	12/03/14 11:05	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Client Sample ID: D-SW-1
Date Collected: 12/02/14 14:26
Date Received: 12/02/14 15:07

Lab Sample ID: 680-107761-2
Matrix: Solid
Percent Solids: 81.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.1		1.1	0.58	mg/Kg	☼	12/02/14 15:25	12/03/14 11:09	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Client Sample ID: D-SW-2
Date Collected: 12/02/14 14:28
Date Received: 12/02/14 15:07

Lab Sample ID: 680-107761-3
Matrix: Solid
Percent Solids: 85.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.0		0.99	0.52	mg/Kg	☼	12/02/14 15:25	12/03/14 11:14	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Client Sample ID: D-SW-3
Date Collected: 12/02/14 14:31
Date Received: 12/02/14 15:07

Lab Sample ID: 680-107761-4
Matrix: Solid
Percent Solids: 82.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.2	0.62	mg/Kg	☼	12/02/14 15:25	12/03/14 11:28	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Client Sample ID: D-SW-4
Date Collected: 12/02/14 14:33
Date Received: 12/02/14 15:07

Lab Sample ID: 680-107761-5
Matrix: Solid
Percent Solids: 82.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		1.1	0.56	mg/Kg	☼	12/02/14 15:25	12/03/14 10:42	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-361309/1-A
Matrix: Solid
Analysis Batch: 361461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.53	U	1.0	0.53	mg/Kg		12/02/14 15:25	12/03/14 10:33	1

Lab Sample ID: LCS 680-361309/2-A
Matrix: Solid
Analysis Batch: 361461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	46.7	48.7		mg/Kg		104	80 - 120

Lab Sample ID: 680-107761-5 MS
Matrix: Solid
Analysis Batch: 361461

Client Sample ID: D-SW-4
Prep Type: Total/NA
Prep Batch: 361309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	14		52.0	61.1		mg/Kg	☼	90	75 - 125

Lab Sample ID: 680-107761-5 MSD
Matrix: Solid
Analysis Batch: 361461

Client Sample ID: D-SW-4
Prep Type: Total/NA
Prep Batch: 361309

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	14		52.4	60.2		mg/Kg	☼	88	75 - 125	2	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Metals

Prep Batch: 361309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107761-1	D-BM-1	Total/NA	Solid	3050B	
680-107761-2	D-SW-1	Total/NA	Solid	3050B	
680-107761-3	D-SW-2	Total/NA	Solid	3050B	
680-107761-4	D-SW-3	Total/NA	Solid	3050B	
680-107761-5	D-SW-4	Total/NA	Solid	3050B	
680-107761-5 MS	D-SW-4	Total/NA	Solid	3050B	
680-107761-5 MSD	D-SW-4	Total/NA	Solid	3050B	
LCS 680-361309/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-361309/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 361461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107761-1	D-BM-1	Total/NA	Solid	6010C	361309
680-107761-2	D-SW-1	Total/NA	Solid	6010C	361309
680-107761-3	D-SW-2	Total/NA	Solid	6010C	361309
680-107761-4	D-SW-3	Total/NA	Solid	6010C	361309
680-107761-5	D-SW-4	Total/NA	Solid	6010C	361309
680-107761-5 MS	D-SW-4	Total/NA	Solid	6010C	361309
680-107761-5 MSD	D-SW-4	Total/NA	Solid	6010C	361309
LCS 680-361309/2-A	Lab Control Sample	Total/NA	Solid	6010C	361309
MB 680-361309/1-A	Method Blank	Total/NA	Solid	6010C	361309

General Chemistry

Analysis Batch: 361343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107761-1	D-BM-1	Total/NA	Solid	Moisture	
680-107761-2	D-SW-1	Total/NA	Solid	Moisture	
680-107761-3	D-SW-2	Total/NA	Solid	Moisture	
680-107761-4	D-SW-3	Total/NA	Solid	Moisture	
680-107761-5	D-SW-4	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Client Sample ID: D-BM-1

Lab Sample ID: 680-107761-1
Date Collected: 12/02/14 14:24
Matrix: Solid
Date Received: 12/02/14 15:07
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	361309	12/02/14 15:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.03 g	100 mL	361461	12/03/14 11:05	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361343	12/02/14 16:55	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: D-SW-1

Lab Sample ID: 680-107761-2
Date Collected: 12/02/14 14:26
Matrix: Solid
Date Received: 12/02/14 15:07
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	100 mL	361309	12/02/14 15:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.12 g	100 mL	361461	12/03/14 11:09	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361343	12/02/14 16:55	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: D-SW-2

Lab Sample ID: 680-107761-3
Date Collected: 12/02/14 14:28
Matrix: Solid
Date Received: 12/02/14 15:07
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.18 g	100 mL	361309	12/02/14 15:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.18 g	100 mL	361461	12/03/14 11:14	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361343	12/02/14 16:55	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: D-SW-3

Lab Sample ID: 680-107761-4
Date Collected: 12/02/14 14:31
Matrix: Solid
Date Received: 12/02/14 15:07
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	361309	12/02/14 15:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.04 g	100 mL	361461	12/03/14 11:28	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361343	12/02/14 16:55	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Client Sample ID: D-SW-4
Date Collected: 12/02/14 14:33
Date Received: 12/02/14 15:07

Lab Sample ID: 680-107761-5
Matrix: Solid
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.14 g	100 mL	361309	12/02/14 15:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.14 g	100 mL	361461	12/03/14 10:42	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361343	12/02/14 16:55	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 90965

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

✓ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Rheem - Brampton Rd.	6121090220	
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Paul GAZZO	4048734761	
CLIENT NAME	CLIENT E-MAIL	
AMEC	Paul.GAZZO61@gmail.com Chuck.Ferry@AMEC.com	
CLIENT ADDRESS		
2677 Buford Highway, Atlanta, GA 30324		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ✓ 24hour
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 6010C - Cadmium	NUMBER OF CON	REMARKS
12/2/14	1424	D-BM-1	G		✓			✓		Additional email -
12/2/14	1426	D-SW-1	G		✓			✓		Paul.GAZZO@AMEC.com
12/2/14	1428	D-SW-2	G		✓			✓		
12/2/14	1431	D-SW-3	G		✓			✓		
12/2/14	1433	D-SW-4	G		✓			✓		

PRESERVATIVE

680-107761 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	12/2/14	1507						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	12/02/14	1510	YES ○ NO ○		680-107761	22.4/22.1°C

TAL8240-680 (1008)

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12/3/2014

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 680-107761-1

Login Number: 107761

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-107789-1
Client Project/Site: Rheem - Brampton Rd.

For:
AMEC Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:
12/4/2014 2:18:01 PM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-107789-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: AMEC Environment & Infrastructure, Inc.
Project: Rheem - Brampton Rd.
Report Number: 680-107789-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/3/2014 1:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 16.3º C.

METALS (ICP)

Samples F-SW-1 (680-107789-1), F-SW-2 (680-107789-2), F-SW-3 (680-107789-3), F-SW-4 (680-107789-4), F-SW-5 (680-107789-5), F-SW-6 (680-107789-6), F-SW-7 (680-107789-7), F-SW-8 (680-107789-8), F-SW-9 (680-107789-9), F-SW-10 (680-107789-10), F-SW-11 (680-107789-11), F-SW-12 (680-107789-12), F-BM-1 (680-107789-13), F-BM-2 (680-107789-14), F-BM-3 (680-107789-15), F-BM-4 (680-107789-16), F-BM-5 (680-107789-17) and F-BM-6 (680-107789-18) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 12/03/2014 and analyzed on 12/04/2014.

Lead recovery is outside criteria high for the MS of sample F-SW-1MS (680-107789-1) in batch 680-361650.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples F-SW-1 (680-107789-1), F-SW-2 (680-107789-2), F-SW-3 (680-107789-3), F-SW-4 (680-107789-4), F-SW-5 (680-107789-5), F-SW-6 (680-107789-6), F-SW-7 (680-107789-7), F-SW-8 (680-107789-8), F-SW-9 (680-107789-9), F-SW-10 (680-107789-10), F-SW-11 (680-107789-11), F-SW-12 (680-107789-12), F-BM-1 (680-107789-13), F-BM-2 (680-107789-14), F-BM-3 (680-107789-15), F-BM-4 (680-107789-16), F-BM-5 (680-107789-17) and F-BM-6 (680-107789-18) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/03/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-107789-1	F-SW-1	Solid	12/03/14 12:24	12/03/14 13:55
680-107789-2	F-SW-2	Solid	12/03/14 12:26	12/03/14 13:55
680-107789-3	F-SW-3	Solid	12/03/14 12:31	12/03/14 13:55
680-107789-4	F-SW-4	Solid	12/03/14 12:34	12/03/14 13:55
680-107789-5	F-SW-5	Solid	12/03/14 12:36	12/03/14 13:55
680-107789-6	F-SW-6	Solid	12/03/14 12:39	12/03/14 13:55
680-107789-7	F-SW-7	Solid	12/03/14 12:44	12/03/14 13:55
680-107789-8	F-SW-8	Solid	12/03/14 12:46	12/03/14 13:55
680-107789-9	F-SW-9	Solid	12/03/14 12:49	12/03/14 13:55
680-107789-10	F-SW-10	Solid	12/03/14 12:51	12/03/14 13:55
680-107789-11	F-SW-11	Solid	12/03/14 12:55	12/03/14 13:55
680-107789-12	F-SW-12	Solid	12/03/14 12:57	12/03/14 13:55
680-107789-13	F-BM-1	Solid	12/03/14 13:01	12/03/14 13:55
680-107789-14	F-BM-2	Solid	12/03/14 13:04	12/03/14 13:55
680-107789-15	F-BM-3	Solid	12/03/14 13:07	12/03/14 13:55
680-107789-16	F-BM-4	Solid	12/03/14 13:10	12/03/14 13:55
680-107789-17	F-BM-5	Solid	12/03/14 13:13	12/03/14 13:55
680-107789-18	F-BM-6	Solid	12/03/14 13:16	12/03/14 13:55

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-1
Date Collected: 12/03/14 12:24
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-1
Matrix: Solid
Percent Solids: 85.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	23		1.1	0.57	mg/Kg	☼	12/03/14 14:53	12/04/14 10:52	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-2
Date Collected: 12/03/14 12:26
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-2
Matrix: Solid
Percent Solids: 80.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	660		1.2	0.64	mg/Kg	☼	12/03/14 14:53	12/04/14 11:15	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-3
Date Collected: 12/03/14 12:31
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-3
Matrix: Solid
Percent Solids: 84.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130		1.1	0.61	mg/Kg	☼	12/03/14 14:53	12/04/14 11:20	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-4
Date Collected: 12/03/14 12:34
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-4
Matrix: Solid
Percent Solids: 83.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150		1.1	0.60	mg/Kg	☼	12/03/14 14:53	12/04/14 11:24	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-5
Date Collected: 12/03/14 12:36
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-5
Matrix: Solid
Percent Solids: 78.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	870		1.3	0.66	mg/Kg	☼	12/03/14 14:53	12/04/14 11:38	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-6
Date Collected: 12/03/14 12:39
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-6
Matrix: Solid
Percent Solids: 83.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		1.1	0.61	mg/Kg	☼	12/03/14 14:53	12/04/14 11:47	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-7
Date Collected: 12/03/14 12:44
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-7
Matrix: Solid
Percent Solids: 84.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140		1.0	0.54	mg/Kg	☼	12/03/14 14:53	12/04/14 11:52	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-8
Date Collected: 12/03/14 12:46
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-8
Matrix: Solid
Percent Solids: 83.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		1.2	0.62	mg/Kg	☼	12/03/14 14:53	12/04/14 11:56	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-9
Date Collected: 12/03/14 12:49
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-9
Matrix: Solid
Percent Solids: 83.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	36		1.1	0.59	mg/Kg	☼	12/03/14 14:53	12/04/14 12:01	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-10
Date Collected: 12/03/14 12:51
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-10
Matrix: Solid
Percent Solids: 78.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	380		1.1	0.58	mg/Kg	☼	12/03/14 14:53	12/04/14 12:06	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-11
Date Collected: 12/03/14 12:55
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-11
Matrix: Solid
Percent Solids: 84.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	310		1.2	0.61	mg/Kg	☼	12/03/14 14:53	12/04/14 12:10	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-12
Date Collected: 12/03/14 12:57
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-12
Matrix: Solid
Percent Solids: 85.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.0	0.55	mg/Kg	☼	12/03/14 14:53	12/04/14 12:15	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-1
Date Collected: 12/03/14 13:01
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-13
Matrix: Solid
Percent Solids: 90.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		1.0	0.54	mg/Kg	☼	12/03/14 14:53	12/04/14 12:19	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-2
Date Collected: 12/03/14 13:04
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-14
Matrix: Solid
Percent Solids: 90.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.7		1.0	0.55	mg/Kg	☼	12/03/14 14:53	12/04/14 12:24	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-3
Date Collected: 12/03/14 13:07
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-15
Matrix: Solid
Percent Solids: 90.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.6		0.99	0.52	mg/Kg	☼	12/03/14 14:53	12/04/14 12:38	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-4
Date Collected: 12/03/14 13:10
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-16
Matrix: Solid
Percent Solids: 87.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.5		1.0	0.53	mg/Kg	☼	12/03/14 14:53	12/04/14 12:42	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-5
Date Collected: 12/03/14 13:13
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-17
Matrix: Solid
Percent Solids: 85.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.99	0.52	mg/Kg	☼	12/03/14 14:53	12/04/14 12:47	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-6
Date Collected: 12/03/14 13:16
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-18
Matrix: Solid
Percent Solids: 83.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		1.1	0.56	mg/Kg	☼	12/03/14 14:53	12/04/14 12:51	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-361481/1-A
Matrix: Solid
Analysis Batch: 361650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.47	U	0.89	0.47	mg/Kg		12/03/14 14:53	12/04/14 10:43	1

Lab Sample ID: LCS 680-361481/2-A
Matrix: Solid
Analysis Batch: 361650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	48.5	49.0		mg/Kg		101	80 - 120

Lab Sample ID: 680-107789-1 MS
Matrix: Solid
Analysis Batch: 361650

Client Sample ID: F-SW-1
Prep Type: Total/NA
Prep Batch: 361481

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	23		53.4	97.1	F1	mg/Kg	☼	139	75 - 125

Lab Sample ID: 680-107789-1 MSD
Matrix: Solid
Analysis Batch: 361650

Client Sample ID: F-SW-1
Prep Type: Total/NA
Prep Batch: 361481

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	23		53.0	84.0		mg/Kg	☼	116	75 - 125	14	20

Metals

Prep Batch: 361481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107789-1	F-SW-1	Total/NA	Solid	3050B	
680-107789-1 MS	F-SW-1	Total/NA	Solid	3050B	
680-107789-1 MSD	F-SW-1	Total/NA	Solid	3050B	
680-107789-2	F-SW-2	Total/NA	Solid	3050B	
680-107789-3	F-SW-3	Total/NA	Solid	3050B	
680-107789-4	F-SW-4	Total/NA	Solid	3050B	
680-107789-5	F-SW-5	Total/NA	Solid	3050B	
680-107789-6	F-SW-6	Total/NA	Solid	3050B	
680-107789-7	F-SW-7	Total/NA	Solid	3050B	
680-107789-8	F-SW-8	Total/NA	Solid	3050B	
680-107789-9	F-SW-9	Total/NA	Solid	3050B	
680-107789-10	F-SW-10	Total/NA	Solid	3050B	
680-107789-11	F-SW-11	Total/NA	Solid	3050B	
680-107789-12	F-SW-12	Total/NA	Solid	3050B	
680-107789-13	F-BM-1	Total/NA	Solid	3050B	
680-107789-14	F-BM-2	Total/NA	Solid	3050B	
680-107789-15	F-BM-3	Total/NA	Solid	3050B	
680-107789-16	F-BM-4	Total/NA	Solid	3050B	
680-107789-17	F-BM-5	Total/NA	Solid	3050B	
680-107789-18	F-BM-6	Total/NA	Solid	3050B	
LCS 680-361481/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-361481/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 361650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107789-1	F-SW-1	Total/NA	Solid	6010C	361481
680-107789-1 MS	F-SW-1	Total/NA	Solid	6010C	361481
680-107789-1 MSD	F-SW-1	Total/NA	Solid	6010C	361481
680-107789-2	F-SW-2	Total/NA	Solid	6010C	361481
680-107789-3	F-SW-3	Total/NA	Solid	6010C	361481
680-107789-4	F-SW-4	Total/NA	Solid	6010C	361481
680-107789-5	F-SW-5	Total/NA	Solid	6010C	361481
680-107789-6	F-SW-6	Total/NA	Solid	6010C	361481
680-107789-7	F-SW-7	Total/NA	Solid	6010C	361481
680-107789-8	F-SW-8	Total/NA	Solid	6010C	361481
680-107789-9	F-SW-9	Total/NA	Solid	6010C	361481
680-107789-10	F-SW-10	Total/NA	Solid	6010C	361481
680-107789-11	F-SW-11	Total/NA	Solid	6010C	361481
680-107789-12	F-SW-12	Total/NA	Solid	6010C	361481
680-107789-13	F-BM-1	Total/NA	Solid	6010C	361481
680-107789-14	F-BM-2	Total/NA	Solid	6010C	361481
680-107789-15	F-BM-3	Total/NA	Solid	6010C	361481
680-107789-16	F-BM-4	Total/NA	Solid	6010C	361481
680-107789-17	F-BM-5	Total/NA	Solid	6010C	361481
680-107789-18	F-BM-6	Total/NA	Solid	6010C	361481
LCS 680-361481/2-A	Lab Control Sample	Total/NA	Solid	6010C	361481
MB 680-361481/1-A	Method Blank	Total/NA	Solid	6010C	361481

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

General Chemistry

Analysis Batch: 361474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107789-1	F-SW-1	Total/NA	Solid	Moisture	
680-107789-2	F-SW-2	Total/NA	Solid	Moisture	
680-107789-3	F-SW-3	Total/NA	Solid	Moisture	
680-107789-4	F-SW-4	Total/NA	Solid	Moisture	
680-107789-5	F-SW-5	Total/NA	Solid	Moisture	
680-107789-6	F-SW-6	Total/NA	Solid	Moisture	
680-107789-7	F-SW-7	Total/NA	Solid	Moisture	
680-107789-8	F-SW-8	Total/NA	Solid	Moisture	
680-107789-9	F-SW-9	Total/NA	Solid	Moisture	
680-107789-10	F-SW-10	Total/NA	Solid	Moisture	
680-107789-11	F-SW-11	Total/NA	Solid	Moisture	
680-107789-12	F-SW-12	Total/NA	Solid	Moisture	
680-107789-13	F-BM-1	Total/NA	Solid	Moisture	
680-107789-14	F-BM-2	Total/NA	Solid	Moisture	
680-107789-15	F-BM-3	Total/NA	Solid	Moisture	
680-107789-16	F-BM-4	Total/NA	Solid	Moisture	
680-107789-17	F-BM-5	Total/NA	Solid	Moisture	
680-107789-18	F-BM-6	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-1

Lab Sample ID: 680-107789-1
Date Collected: 12/03/14 12:24
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	361650	12/04/14 10:52	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-SW-2

Lab Sample ID: 680-107789-2
Date Collected: 12/03/14 12:26
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.03 g	100 mL	361650	12/04/14 11:15	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-SW-3

Lab Sample ID: 680-107789-3
Date Collected: 12/03/14 12:31
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.03 g	100 mL	361650	12/04/14 11:20	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-SW-4

Lab Sample ID: 680-107789-4
Date Collected: 12/03/14 12:34
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.06 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.06 g	100 mL	361650	12/04/14 11:24	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-5

Date Collected: 12/03/14 12:36
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-5

Matrix: Solid
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.02 g	100 mL	361650	12/04/14 11:38	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-SW-6

Date Collected: 12/03/14 12:39
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-6

Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.04 g	100 mL	361650	12/04/14 11:47	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-SW-7

Date Collected: 12/03/14 12:44
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-7

Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.16 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.16 g	100 mL	361650	12/04/14 11:52	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-SW-8

Date Collected: 12/03/14 12:46
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-8

Matrix: Solid
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.02 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.02 g	100 mL	361650	12/04/14 11:56	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-9

Lab Sample ID: 680-107789-9

Date Collected: 12/03/14 12:49
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	361650	12/04/14 12:01	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-SW-10

Lab Sample ID: 680-107789-10

Date Collected: 12/03/14 12:51
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.17 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.17 g	100 mL	361650	12/04/14 12:06	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-SW-11

Lab Sample ID: 680-107789-11

Date Collected: 12/03/14 12:55
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.03 g	100 mL	361650	12/04/14 12:10	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-SW-12

Lab Sample ID: 680-107789-12

Date Collected: 12/03/14 12:57
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.12 g	100 mL	361650	12/04/14 12:15	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-1

Lab Sample ID: 680-107789-13
Date Collected: 12/03/14 13:01
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.08 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.08 g	100 mL	361650	12/04/14 12:19	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-BM-2

Lab Sample ID: 680-107789-14
Date Collected: 12/03/14 13:04
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	361650	12/04/14 12:24	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-BM-3

Lab Sample ID: 680-107789-15
Date Collected: 12/03/14 13:07
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.12 g	100 mL	361650	12/04/14 12:38	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-BM-4

Lab Sample ID: 680-107789-16
Date Collected: 12/03/14 13:10
Matrix: Solid
Date Received: 12/03/14 13:55
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.14 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.14 g	100 mL	361650	12/04/14 12:42	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-5

Date Collected: 12/03/14 13:13
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-17

Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.19 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.19 g	100 mL	361650	12/04/14 12:47	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: F-BM-6

Date Collected: 12/03/14 13:16
Date Received: 12/03/14 13:55

Lab Sample ID: 680-107789-18

Matrix: Solid
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	100 mL	361481	12/03/14 14:53	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.12 g	100 mL	361650	12/04/14 12:51	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 90961

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

✓ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Rheem-Brampton Rd.	G12109220	GA
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Paul Gazzo	4048734761	
CLIENT NAME	CLIENT E-MAIL	
AMEC	Paul.Gazzo61@gmail.com Chuck.Ferry@Amec.com	
CLIENT ADDRESS		
2677 Buford Highway, Atlanta, GA 30324		
COMPANY CONTRACTING THIS WORK (if applicable)		

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: Cd/Pb-Lead; PRESERVATIVE

PAGE 1 OF 2

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ✓ 24 hours. Per. Dave Fuller

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12/3/14	1224	F-SW-1	G / ✓	✓	Additional E-mail:
12/3/14	1226	F-SW-2	G / ✓	✓	Paul.Gazzo@Amec.com
12/3/14	1231	F-SW-3	G / ✓	✓	
12/3/14	1234	F-SW-4	G / ✓	✓	
12/3/14	1236	F-SW-5	G / ✓	✓	
12/3/14	1239	F-SW-6	G / ✓	✓	
12/3/14	1244	F-SW-7	G / ✓	✓	
12/3/14	1246	F-SW-8	G / ✓	✓	
12/3/14	1249	F-SW-9	G / ✓	✓	
12/3/14	1251	F-SW-10	G / ✓	✓	
12/3/14	1255	F-SW-11	G / ✓	✓	
12/3/14	1257	F-SW-12	G / ✓	✓	

680-107789 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	12/3/14	1355						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	12/3/14	1355	YES ○ NO ○		680-107789	Noice 16.6/16.3°C

TAL8240-680 (1008)

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12/4/2014

Serial Number 90962

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

✓ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Rheem - Brampton Rd	612109@220	GA
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Paul GAZZO	CLIENT PHONE: 4048734761	CLIENT FAX
CLIENT NAME: AMEC	CLIENT E-MAIL: Paul.Gazzo61@gmail.com; Chuck.Gerry@Amec.Com	
CLIENT ADDRESS: 2677 Buford Highway, Atlanta, GA 30324		
COMPANY CONTRACTING THIS WORK (if applicable)		

MATRIX TYPE (INDICATE): COMPOSITE (C) OR GRAB (G); AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: Cd/Pb/Cr/Lead

PRESERVATIVE

PAGE 2 OF 2

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ✓ 24 hour

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12/3/14	1301	F-BM-1	G		✓			✓	Additional Email:
12/3/14	1304	F-BM-2	G		✓			✓	Paul.Gazzo@Amec.Com
12/3/14	1307	F-BM-3	G		✓			✓	
12/3/14	1310	F-BM-4	G		✓			✓	
12/3/14	1313	F-BM-5	G		✓			✓	
12/3/14	1316	F-BM-6	G		✓			✓	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	12/3/14	1355						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	12/3/14	1355	YES ○ NO ○		680-107789	

TAL8240-680 (1008)

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12/4/2014

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 680-107789-1

Login Number: 107789

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-107859-1
Client Project/Site: Rheem - Brampton Rd.

For:
AMEC Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:
12/5/2014 2:06:03 PM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-107859-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: Rheem - Brampton Rd.

Report Number: 680-107859-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/04/2014; the samples arrived in good condition. The temperature of the coolers at receipt was 22.3 C.

METALS (ICP)

Samples E-SW-2A (680-107859-1), SP-1 (680-107859-2), SP-2 (680-107859-3) and SP-3 (680-107859-4) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 12/04/2014 and analyzed on 12/05/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples E-SW-2A (680-107859-1), SP-1 (680-107859-2), SP-2 (680-107859-3) and SP-3 (680-107859-4) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/04/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-107859-1	E-SW-2A	Solid	12/03/14 15:33	12/04/14 13:10
680-107859-2	SP-1	Solid	12/04/14 09:25	12/04/14 13:10
680-107859-3	SP-2	Solid	12/04/14 09:31	12/04/14 13:10
680-107859-4	SP-3	Solid	12/04/14 09:36	12/04/14 13:10

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Client Sample ID: E-SW-2A
Date Collected: 12/03/14 15:33
Date Received: 12/04/14 13:10

Lab Sample ID: 680-107859-1
Matrix: Solid
Percent Solids: 84.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	39		1.1	0.57	mg/Kg	☼	12/04/14 13:42	12/05/14 03:58	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Client Sample ID: SP-1
Date Collected: 12/04/14 09:25
Date Received: 12/04/14 13:10

Lab Sample ID: 680-107859-2
Matrix: Solid
Percent Solids: 79.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.1	0.58	mg/Kg	☼	12/04/14 13:42	12/05/14 04:03	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Client Sample ID: SP-2
Date Collected: 12/04/14 09:31
Date Received: 12/04/14 13:10

Lab Sample ID: 680-107859-3
Matrix: Solid
Percent Solids: 80.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		1.1	0.57	mg/Kg	☼	12/04/14 13:42	12/05/14 04:08	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Client Sample ID: SP-3
Date Collected: 12/04/14 09:36
Date Received: 12/04/14 13:10

Lab Sample ID: 680-107859-4
Matrix: Solid
Percent Solids: 98.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.8		0.91	0.48	mg/Kg	☼	12/04/14 13:42	12/05/14 03:35	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-361666/1-A
Matrix: Solid
Analysis Batch: 361848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.48	U	0.91	0.48	mg/Kg		12/04/14 13:42	12/05/14 03:17	1

Lab Sample ID: LCS 680-361666/2-A
Matrix: Solid
Analysis Batch: 361848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	45.0	45.4		mg/Kg		101	80 - 120

Lab Sample ID: 680-107859-4 MS
Matrix: Solid
Analysis Batch: 361848

Client Sample ID: SP-3
Prep Type: Total/NA
Prep Batch: 361666

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	3.8		45.4	56.3		mg/Kg	☼	116	75 - 125

Lab Sample ID: 680-107859-4 MSD
Matrix: Solid
Analysis Batch: 361848

Client Sample ID: SP-3
Prep Type: Total/NA
Prep Batch: 361666

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	3.8		45.4	55.0		mg/Kg	☼	113	75 - 125	2	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Metals

Prep Batch: 361666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107859-1	E-SW-2A	Total/NA	Solid	3050B	
680-107859-2	SP-1	Total/NA	Solid	3050B	
680-107859-3	SP-2	Total/NA	Solid	3050B	
680-107859-4	SP-3	Total/NA	Solid	3050B	
680-107859-4 MS	SP-3	Total/NA	Solid	3050B	
680-107859-4 MSD	SP-3	Total/NA	Solid	3050B	
LCS 680-361666/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-361666/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 361848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107859-1	E-SW-2A	Total/NA	Solid	6010C	361666
680-107859-2	SP-1	Total/NA	Solid	6010C	361666
680-107859-3	SP-2	Total/NA	Solid	6010C	361666
680-107859-4	SP-3	Total/NA	Solid	6010C	361666
680-107859-4 MS	SP-3	Total/NA	Solid	6010C	361666
680-107859-4 MSD	SP-3	Total/NA	Solid	6010C	361666
LCS 680-361666/2-A	Lab Control Sample	Total/NA	Solid	6010C	361666
MB 680-361666/1-A	Method Blank	Total/NA	Solid	6010C	361666

General Chemistry

Analysis Batch: 361661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107859-1	E-SW-2A	Total/NA	Solid	Moisture	
680-107859-2	SP-1	Total/NA	Solid	Moisture	
680-107859-3	SP-2	Total/NA	Solid	Moisture	
680-107859-4	SP-3	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Client Sample ID: E-SW-2A

Lab Sample ID: 680-107859-1

Date Collected: 12/03/14 15:33
Matrix: Solid
Date Received: 12/04/14 13:10
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	361666	12/04/14 13:42	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.09 g	100 mL	361848	12/05/14 03:58	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361661	12/04/14 13:32	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SP-1

Lab Sample ID: 680-107859-2

Date Collected: 12/04/14 09:25
Matrix: Solid
Date Received: 12/04/14 13:10
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.15 g	100 mL	361666	12/04/14 13:42	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.15 g	100 mL	361848	12/05/14 04:03	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361661	12/04/14 13:32	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SP-2

Lab Sample ID: 680-107859-3

Date Collected: 12/04/14 09:31
Matrix: Solid
Date Received: 12/04/14 13:10
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.15 g	100 mL	361666	12/04/14 13:42	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.15 g	100 mL	361848	12/05/14 04:08	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361661	12/04/14 13:32	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SP-3

Lab Sample ID: 680-107859-4

Date Collected: 12/04/14 09:36
Matrix: Solid
Date Received: 12/04/14 13:10
Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	100 mL	361666	12/04/14 13:42	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.12 g	100 mL	361848	12/05/14 03:35	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			361661	12/04/14 13:32	MDK	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 90964

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

✓ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Ritcom - Brampton Rd	6121090220	GA
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Paul Gazzo	CLIENT PHONE: 4048734761	CLIENT FAX
CLIENT NAME: AMEC	CLIENT E-MAIL: Paul.Ga22061@gmail.com; Chuck.Feloy@AMEC.com	
CLIENT ADDRESS: 2677 Buford Hwy		
COMPANY CONTRACTING THIS WORK (if applicable)		

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 6010C Lead

PRESERVATIVE

PAGE: OF

STANDARD REPORT DELIVERY ○
DATE DUE: _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE: 24 Hrs
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12/3/14	1533	E-SW-2A	G / SOLID OR SEMISOLID ✓	✓	PAUL.GA2270@AMEC.com
12/4/14	0925	SP-1	G / SOLID OR SEMISOLID ✓	✓	
12/4/14	0931	SP-2	G / SOLID OR SEMISOLID ✓	✓	
12/4/14	0936	SP-3	G / SOLID OR SEMISOLID ✓	✓	

680-107859 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	12/4/14	1310						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	12/04/14	13:10	YES ○ NO ○		680-107859	CWRS: 22.6 (CF-3) 22.3°C

TAL8240-680 (1008)

Page 13 of 15

12/5/2014

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 680-107859-1

Login Number: 107859

List Source: TestAmerica Savannah

List Number: 1

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-108073-1
Client Project/Site: Rheem - Brampton Rd.

For:
AMEC Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:
12/11/2014 12:05:05 PM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-108073-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: AMEC Environment & Infrastructure, Inc.
Project: Rheem - Brampton Rd.
Report Number: 680-108073-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/10/2014 1:45 PM; the samples arrived in good condition. The temperature of the cooler at receipt was 17.3º C.

METALS (ICP)

Samples S-B-4 (680-108073-1), S-B-5 (680-108073-2), S-B-6 (680-108073-3), S-B-7 (680-108073-4) and S-B-8 (680-108073-5) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 12/10/2014 and analyzed on 12/11/2014.

Lead recovery is outside criteria low for the MSD of sample S-B-5MSD (680-108073-2) in batch 680-362719.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples S-B-4 (680-108073-1), S-B-5 (680-108073-2), S-B-6 (680-108073-3), S-B-7 (680-108073-4) and S-B-8 (680-108073-5) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/10/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-108073-1	S-B-4	Solid	12/10/14 09:30	12/10/14 13:45
680-108073-2	S-B-5	Solid	12/10/14 09:40	12/10/14 13:45
680-108073-3	S-B-6	Solid	12/10/14 09:43	12/10/14 13:45
680-108073-4	S-B-7	Solid	12/10/14 09:51	12/10/14 13:45
680-108073-5	S-B-8	Solid	12/10/14 10:05	12/10/14 13:45

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Client Sample ID: S-B-4
Date Collected: 12/10/14 09:30
Date Received: 12/10/14 13:45

Lab Sample ID: 680-108073-1
Matrix: Solid
Percent Solids: 93.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	200		1.0	0.53	mg/Kg	☼	12/10/14 14:25	12/11/14 01:52	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Client Sample ID: S-B-5
Date Collected: 12/10/14 09:40
Date Received: 12/10/14 13:45

Lab Sample ID: 680-108073-2
Matrix: Solid
Percent Solids: 93.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	23		0.96	0.51	mg/Kg	☼	12/10/14 14:25	12/11/14 01:29	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Client Sample ID: S-B-6
Date Collected: 12/10/14 09:43
Date Received: 12/10/14 13:45

Lab Sample ID: 680-108073-3
Matrix: Solid
Percent Solids: 82.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.1	0.58	mg/Kg	☼	12/10/14 14:25	12/11/14 01:57	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Client Sample ID: S-B-7
Date Collected: 12/10/14 09:51
Date Received: 12/10/14 13:45

Lab Sample ID: 680-108073-4
Matrix: Solid
Percent Solids: 90.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		1.0	0.53	mg/Kg	☼	12/10/14 14:25	12/11/14 02:01	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Client Sample ID: S-B-8
Date Collected: 12/10/14 10:05
Date Received: 12/10/14 13:45

Lab Sample ID: 680-108073-5
Matrix: Solid
Percent Solids: 91.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	590		0.94	0.50	mg/Kg	☼	12/10/14 14:25	12/11/14 02:15	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-362587/1-A
Matrix: Solid
Analysis Batch: 362719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 362587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.53	U	1.0	0.53	mg/Kg		12/10/14 14:25	12/11/14 01:20	1

Lab Sample ID: LCS 680-362587/2-A
Matrix: Solid
Analysis Batch: 362719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 362587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	48.5	46.9		mg/Kg		97	80 - 120

Lab Sample ID: 680-108073-2 MS
Matrix: Solid
Analysis Batch: 362719

Client Sample ID: S-B-5
Prep Type: Total/NA
Prep Batch: 362587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	23		48.1	59.1		mg/Kg	☼	75	75 - 125

Lab Sample ID: 680-108073-2 MSD
Matrix: Solid
Analysis Batch: 362719

Client Sample ID: S-B-5
Prep Type: Total/NA
Prep Batch: 362587

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	23		48.1	53.3	F1	mg/Kg	☼	63	75 - 125	10	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Metals

Prep Batch: 362587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-108073-1	S-B-4	Total/NA	Solid	3050B	
680-108073-2	S-B-5	Total/NA	Solid	3050B	
680-108073-2 MS	S-B-5	Total/NA	Solid	3050B	
680-108073-2 MSD	S-B-5	Total/NA	Solid	3050B	
680-108073-3	S-B-6	Total/NA	Solid	3050B	
680-108073-4	S-B-7	Total/NA	Solid	3050B	
680-108073-5	S-B-8	Total/NA	Solid	3050B	
LCS 680-362587/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-362587/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 362719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-108073-1	S-B-4	Total/NA	Solid	6010C	362587
680-108073-2	S-B-5	Total/NA	Solid	6010C	362587
680-108073-2 MS	S-B-5	Total/NA	Solid	6010C	362587
680-108073-2 MSD	S-B-5	Total/NA	Solid	6010C	362587
680-108073-3	S-B-6	Total/NA	Solid	6010C	362587
680-108073-4	S-B-7	Total/NA	Solid	6010C	362587
680-108073-5	S-B-8	Total/NA	Solid	6010C	362587
LCS 680-362587/2-A	Lab Control Sample	Total/NA	Solid	6010C	362587
MB 680-362587/1-A	Method Blank	Total/NA	Solid	6010C	362587

General Chemistry

Analysis Batch: 362580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-108073-1	S-B-4	Total/NA	Solid	Moisture	
680-108073-2	S-B-5	Total/NA	Solid	Moisture	
680-108073-3	S-B-6	Total/NA	Solid	Moisture	
680-108073-4	S-B-7	Total/NA	Solid	Moisture	
680-108073-5	S-B-8	Total/NA	Solid	Moisture	

Client Sample ID: S-B-4

Lab Sample ID: 680-108073-1

Date Collected: 12/10/14 09:30

Matrix: Solid

Date Received: 12/10/14 13:45

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	362587	12/10/14 14:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	362719	12/11/14 01:52	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			362580	12/10/14 14:02	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: S-B-5

Lab Sample ID: 680-108073-2

Date Collected: 12/10/14 09:40

Matrix: Solid

Date Received: 12/10/14 13:45

Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	362587	12/10/14 14:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	362719	12/11/14 01:29	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			362580	12/10/14 14:02	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: S-B-6

Lab Sample ID: 680-108073-3

Date Collected: 12/10/14 09:43

Matrix: Solid

Date Received: 12/10/14 13:45

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	362587	12/10/14 14:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	362719	12/11/14 01:57	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			362580	12/10/14 14:02	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: S-B-7

Lab Sample ID: 680-108073-4

Date Collected: 12/10/14 09:51

Matrix: Solid

Date Received: 12/10/14 13:45

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	362587	12/10/14 14:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	362719	12/11/14 02:01	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			362580	12/10/14 14:02	HML	TAL SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Client Sample ID: S-B-8
Date Collected: 12/10/14 10:05
Date Received: 12/10/14 13:45

Lab Sample ID: 680-108073-5
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.17 g	100 mL	362587	12/10/14 14:25	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.17 g	100 mL	362719	12/11/14 02:15	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			362580	12/10/14 14:02	HML	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 90963

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

(X) TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

( ) Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: 6121090220	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE OF
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ( ) DATE DUE
CLIENT (SITE) PM: AMEC Dustin Hizer	CLIENT PHONE	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE) (X) DATE DUE 12/11/14
CLIENT NAME: AMECFW	CLIENT E-MAIL		
CLIENT ADDRESS: 139 Brampton RD R Heon IND.			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
COMPANY CONTRACTING THIS WORK (if applicable): AMEC 2677 Buford Hwy Atlanta GA 30324			

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: Lead only

PRESERVATIVE

NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	Lead only	REMARKS
12/10/14	0930	S-B-4	G		X			X	
12/10/14	0940	S-B-5	G		X			X	
12/10/14	0943	S-B-6	G		X			X	
12/10/14	0951	S-B-7	G		X			X	
12/10/14	1005	S-B-8	G		X			X	

680-108073 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	12/10/14	1255	X					
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	12/10/14	12:55						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	12/10/14	1345	YES ( ) NO ( )		680-108073	

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 680-108073-1

Login Number: 108073

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-108122-1
Client Project/Site: Rheem - Brampton Rd.

For:
AMEC Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:
12/12/2014 1:58:29 PM

Lisa Harvey, Project Manager II
(912)354-7858 e.3221
lisa.harvey@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Job ID: 680-108122-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: AMEC Environment & Infrastructure, Inc.
Project: Rheem - Brampton Rd.
Report Number: 680-108122-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/11/2014 10:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.5º C.

METALS (ICP)

Samples S-B-9 (680-108122-1), S-B-10 (680-108122-2) and S-B-11 (680-108122-3) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared and analyzed on 12/11/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples S-B-9 (680-108122-1), S-B-10 (680-108122-2) and S-B-11 (680-108122-3) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/11/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-108122-1	S-B-9	Solid	12/11/14 09:10	12/11/14 10:40
680-108122-2	S-B-10	Solid	12/11/14 09:13	12/11/14 10:40
680-108122-3	S-B-11	Solid	12/11/14 09:18	12/11/14 10:40

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Client Sample ID: S-B-9
Date Collected: 12/11/14 09:10
Date Received: 12/11/14 10:40

Lab Sample ID: 680-108122-1
Matrix: Solid
Percent Solids: 84.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		1.1	0.56	mg/Kg	☼	12/11/14 12:11	12/11/14 19:20	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Client Sample ID: S-B-10
Date Collected: 12/11/14 09:13
Date Received: 12/11/14 10:40

Lab Sample ID: 680-108122-2
Matrix: Solid
Percent Solids: 89.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.6		1.1	0.56	mg/Kg	☼	12/11/14 12:11	12/11/14 19:25	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Client Sample ID: S-B-11
Date Collected: 12/11/14 09:18
Date Received: 12/11/14 10:40

Lab Sample ID: 680-108122-3
Matrix: Solid
Percent Solids: 93.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		0.97	0.51	mg/Kg	☼	12/11/14 12:11	12/11/14 18:57	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-362796/1-A
Matrix: Solid
Analysis Batch: 363003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 362796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.48	U	0.90	0.48	mg/Kg		12/11/14 12:11	12/11/14 18:48	1

Lab Sample ID: LCS 680-362796/2-A
Matrix: Solid
Analysis Batch: 363003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 362796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	45.0	44.2		mg/Kg		98	80 - 120

Lab Sample ID: 680-108122-3 MS
Matrix: Solid
Analysis Batch: 363003

Client Sample ID: S-B-11
Prep Type: Total/NA
Prep Batch: 362796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	12		47.9	67.8		mg/Kg	☼	117	75 - 125

Lab Sample ID: 680-108122-3 MSD
Matrix: Solid
Analysis Batch: 363003

Client Sample ID: S-B-11
Prep Type: Total/NA
Prep Batch: 362796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	12		47.9	64.9		mg/Kg	☼	111	75 - 125	4	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Metals

Prep Batch: 362796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-108122-1	S-B-9	Total/NA	Solid	3050B	
680-108122-2	S-B-10	Total/NA	Solid	3050B	
680-108122-3	S-B-11	Total/NA	Solid	3050B	
680-108122-3 MS	S-B-11	Total/NA	Solid	3050B	
680-108122-3 MSD	S-B-11	Total/NA	Solid	3050B	
LCS 680-362796/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-362796/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 363003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-108122-1	S-B-9	Total/NA	Solid	6010C	362796
680-108122-2	S-B-10	Total/NA	Solid	6010C	362796
680-108122-3	S-B-11	Total/NA	Solid	6010C	362796
680-108122-3 MS	S-B-11	Total/NA	Solid	6010C	362796
680-108122-3 MSD	S-B-11	Total/NA	Solid	6010C	362796
LCS 680-362796/2-A	Lab Control Sample	Total/NA	Solid	6010C	362796
MB 680-362796/1-A	Method Blank	Total/NA	Solid	6010C	362796

General Chemistry

Analysis Batch: 362785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-108122-1	S-B-9	Total/NA	Solid	Moisture	
680-108122-2	S-B-10	Total/NA	Solid	Moisture	
680-108122-3	S-B-11	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Client Sample ID: S-B-9

Lab Sample ID: 680-108122-1

Date Collected: 12/11/14 09:10
Matrix: Solid
Date Received: 12/11/14 10:40
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	362796	12/11/14 12:11	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	363003	12/11/14 19:20	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			362785	12/11/14 10:58	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: S-B-10

Lab Sample ID: 680-108122-2

Date Collected: 12/11/14 09:13
Matrix: Solid
Date Received: 12/11/14 10:40
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	362796	12/11/14 12:11	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.07 g	100 mL	363003	12/11/14 19:25	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			362785	12/11/14 10:58	HML	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: S-B-11

Lab Sample ID: 680-108122-3

Date Collected: 12/11/14 09:18
Matrix: Solid
Date Received: 12/11/14 10:40
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	362796	12/11/14 12:11	CRW	TAL SAV
Total/NA	Analysis	6010C		1	1.11 g	100 mL	363003	12/11/14 18:57	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Analysis	Moisture		1			362785	12/11/14 10:58	HML	TAL SAV
	Instrument ID: NOEQUIP									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 87543

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
	6121090220	
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Dustin Hizer		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
R Heck IwD		
CLIENT NAME	CLIENT E-MAIL	
AMEC		
CLIENT ADDRESS		
139 Brampton RD Southern Hills 64		
COMPANY CONTRACTING THIS WORK (if applicable)		

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...))

REQUIRED ANALYSIS: Lead only

PRESERVATIVE

PAGE | OF

STANDARD REPORT DELIVERY ◯

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ⊘

DATE DUE 12/2/14

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12/1/14	0910	S-B-9	G		X				
12/1/14	0913	S-B-10	G		X				
12/1/14	0918	S-B-11	G		X				

680-108122 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	12/1/14	1600						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	12/1/14	16:00						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	12/1/14	1040	YES ◯ NO ◯		680-108122	17.8/17.5 (no ice)

TAL8240-680 (1008)

Page 12 of 14

12/12/2014

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 680-108122-1

Login Number: 108122

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	N/A	06-30-15

Analytical Report 513418

for

AMEC Foster Wheeler

Project Manager: Chuck Ferry

139 Brampton Road

6121090220

01-SEP-15

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

01-SEP-15

Project Manager: **Chuck Ferry**
AMEC Foster Wheeler
2677 Buford Hwy NE

Atlanta, GA 30324

Reference: XENCO Report No(s): **513418**
139 Brampton Road
Project Address: Atlanta, GA

Chuck Ferry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 513418. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 513418 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

J. Derek Rounsley
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EW-1	W	08-13-15 15:35		513418-001
EW-2	W	08-11-15 13:40		513418-002
EW-3	W	08-11-15 15:50		513418-003
EW-4	W	08-11-15 14:50		513418-004
EW-5	W	08-12-15 16:00		513418-005
EW-6	W	08-12-15 15:10		513418-006
EW-7	W	08-12-15 14:30		513418-007
W-5	W	08-13-15 14:25		513418-008
GW-1	W	08-13-15 12:00		513418-009
GW-4	W	08-12-15 12:25		513418-010
GW-5	W	08-12-15 11:20		513418-011
GW-7	W	08-13-15 13:35		513418-012
GW-10	W	08-12-15 10:30		513418-013
HA-1	S	08-13-15 15:20	2 ft	513418-014
HA-2	S	08-13-15 14:30	2 ft	513418-015
HA-3	S	08-13-15 12:15	2 ft	513418-016
Trip Blank	W	08-11-15 00:00		513418-017

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-974870 VOCs by SW-846 8260B
Lab Sample ID 513418-013 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Acetone, Methyl acetate recovered above QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 513418-001, -002, -003, -012, -013, -017.
The Laboratory Control Sample for Acetone, Methyl acetate is within laboratory Control Limits, therefore the data was accepted.

Chloroethane RPD was outside laboratory control limits.
Samples in the analytical batch are: 513418-001, -002, -003, -012, -013, -017

Hits Summary 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **EW-1**
Lab Sample Id : 513418-001

Matrix : Ground Water
Date Collected : 08.13.15 15.35
Date Received : 08.14.15 11.15

% Moisture :

Analytical Method : Hydrocarbon Gases by Mod. RSK 175
Seq Number 974849

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Methane	74-82-8	0.00323	mg/L	08.19.15 10.07		1

Analytical Method : TOC by SM 5310C
Seq Number 974857

Prep Method: SM5310P
Date Prep: 08.17.15 10.23

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	1.31	mg/L	08.17.15 16.06		1

Sample Id : **EW-2**
Lab Sample Id : 513418-002

Matrix : Ground Water
Date Collected : 08.11.15 13.40
Date Received : 08.14.15 11.15

% Moisture :

Analytical Method : VOCs by SW-846 8260B
Seq Number 974870

Prep Method: SW5030B
Date Prep: 08.18.15 10.57

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,1-Dichloroethane	75-34-3	3.79	ug/L	08.18.15 17.22		1
1,1-Dichloroethene	75-35-4	6.34	ug/L	08.18.15 17.22		1
cis-1,2-Dichloroethene	156-59-2	10.5	ug/L	08.18.15 17.22		1
Tetrachloroethene	127-18-4	31.2	ug/L	08.18.15 17.22		1
Trichloroethene	79-01-6	21.0	ug/L	08.18.15 17.22		1

Sample Id : **EW-3**
Lab Sample Id : 513418-003

Matrix : Ground Water
Date Collected : 08.11.15 15.50
Date Received : 08.14.15 11.15

% Moisture :

Analytical Method : VOCs by SW-846 8260B
Seq Number 974870

Prep Method: SW5030B
Date Prep: 08.18.15 10.57

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	5.04	ug/L	08.18.15 17.46		1

Hits Summary 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **EW-4**
Lab Sample Id : 513418-004
Matrix : Ground Water
Date Collected : 08.11.15 14.50
Date Received : 08.14.15 11.15
% Moisture :

Analytical Method : VOCs by SW-846 8260B
Seq Number 974691
Prep Method: SW5030B
Date Prep: 08.17.15 08.05

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	3.04	ug/L	08.17.15 14.06		1
Trichlorofluoromethane	75-69-4	3.36	ug/L	08.17.15 14.06		1

Sample Id : **EW-5**
Lab Sample Id : 513418-005
Matrix : Ground Water
Date Collected : 08.12.15 16.00
Date Received : 08.14.15 11.15
% Moisture :

Analytical Method : VOCs by SW-846 8260B
Seq Number 974691
Prep Method: SW5030B
Date Prep: 08.17.15 08.05

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	6.22	ug/L	08.17.15 14.29		1

Sample Id : **EW-6**
Lab Sample Id : 513418-006
Matrix : Ground Water
Date Collected : 08.12.15 15.10
Date Received : 08.14.15 11.15
% Moisture :

Analytical Method : VOCs by SW-846 8260B
Seq Number 974691
Prep Method: SW5030B
Date Prep: 08.17.15 08.05

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,1-Dichloroethane	75-34-3	8.29	ug/L	08.17.15 14.53		1
1,1-Dichloroethene	75-35-4	13.2	ug/L	08.17.15 14.53		1
cis-1,2-Dichloroethene	156-59-2	1.85	ug/L	08.17.15 14.53		1
Trichloroethene	79-01-6	2.35	ug/L	08.17.15 14.53		1

Hits Summary 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **EW-7**
Lab Sample Id : 513418-007

Matrix : Ground Water
Date Collected : 08.12.15 14.30
Date Received : 08.14.15 11.15

% Moisture :

Analytical Method : VOCs by SW-846 8260B
Seq Number 974691

Prep Method: SW5030B
Date Prep: 08.17.15 08.05

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,1-Dichloroethane	75-34-3	5.06	ug/L	08.17.15 15.17		1
1,1-Dichloroethene	75-35-4	14.4	ug/L	08.17.15 15.17		1
cis-1,2-Dichloroethene	156-59-2	6.19	ug/L	08.17.15 15.17		1
Trichloroethene	79-01-6	7.40	ug/L	08.17.15 15.17		1

Hits Summary 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **W-5**
Lab Sample Id : 513418-008

Matrix : Ground Water
Date Collected : 08.13.15 14.25
Date Received : 08.14.15 11.15

% Moisture :

Analytical Method : Ferrous Iron by SM3500
Seq Number 974620

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Ferrous Iron	IRON II	0.160	mg/L	08.14.15 11.00		1

Analytical Method : Hydrocarbon Gases by Mod. RSK 175
Seq Number 974849

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Methane	74-82-8	0.0286	mg/L	08.19.15 10.09		1

Analytical Method : TOC by SM 5310C
Seq Number 974857

Prep Method: SM5310P
Date Prep: 08.17.15 10.23

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	5.44	mg/L	08.17.15 16.18		1

Analytical Method : VOCs by SW-846 8260B
Seq Number 974691

Prep Method: SW5030B
Date Prep: 08.17.15 08.05

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,1-Dichloroethane	75-34-3	16.3	ug/L	08.17.15 15.40		1
1,1-Dichloroethene	75-35-4	48.6	ug/L	08.17.15 15.40		1
1,2-Dichloroethane	107-06-2	1.93	ug/L	08.17.15 15.40		1
cis-1,2-Dichloroethene	156-59-2	4.38	ug/L	08.17.15 15.40		1
Tetrachloroethene	127-18-4	59.5	ug/L	08.17.15 15.40		1
Trichloroethene	79-01-6	34.0	ug/L	08.17.15 15.40		1

Hits Summary 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **GW-1**
Lab Sample Id : 513418-009
Matrix : Ground Water
Date Collected : 08.13.15 12.00
Date Received : 08.14.15 11.15
% Moisture :

Analytical Method : Hydrocarbon Gases by Mod. RSK 175
Seq Number 974849

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Methane	74-82-8	0.00277	mg/L	08.19.15 10.12		1

Analytical Method : TOC by SM 5310C
Seq Number 974857
Prep Method: SM5310P
Date Prep: 08.17.15 10.23

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	1.31	mg/L	08.17.15 16.30		1

Sample Id : **GW-10**
Lab Sample Id : 513418-013
Matrix : Ground Water
Date Collected : 08.12.15 10.30
Date Received : 08.14.15 11.15
% Moisture :

Analytical Method : VOCs by SW-846 8260B
Seq Number 974870
Prep Method: SW5030B
Date Prep: 08.18.15 10.57

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
cis-1,2-Dichloroethene	156-59-2	1.23	ug/L	08.18.15 16.11		1
Tetrachloroethene	127-18-4	4.44	ug/L	08.18.15 16.11		1
Trichloroethene	79-01-6	3.00	ug/L	08.18.15 16.11		1

Sample Id : **HA-1**
Lab Sample Id : 513418-014
Sample Depth : 2 ft
Matrix : Soil
Date Collected : 08.13.15 15.20
Date Received : 08.14.15 11.15
% Moisture : 9.35
Basis : Dry Weight

Analytical Method : TOC in Soils by Walkley Black
Seq Number 974946

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	331	mg/kg	08.19.15 15.00		1

Hits Summary 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **HA-2**
Lab Sample Id : 513418-015
Sample Depth : 2 ft

Matrix : Soil
Date Collected : 08.13.15 14.30
Date Received : 08.14.15 11.15

% Moisture : 14.15
Basis : Dry Weight

Analytical Method : TOC in Soils by Walkley Black
Seq Number 974946

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	2420	mg/kg	08.19.15 15.00		1

Sample Id : **HA-3**
Lab Sample Id : 513418-016
Sample Depth : 2 ft

Matrix : Soil
Date Collected : 08.13.15 12.15
Date Received : 08.14.15 11.15

% Moisture : 26.85
Basis : Dry Weight

Analytical Method : TOC in Soils by Walkley Black
Seq Number 974946

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	19000	mg/kg	08.19.15 15.00		1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-1** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-001 Date Collected: 08.13.15 15.35

Analytical Method: TOC by SM 5310C Prep Method: SM5310P

Tech: BHRE % Moisture:

Analyst: BHRE Date Prep: 08.17.15 10.23

Seq Number: 974857 SUB: E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	**1.31**	1.00	mg/L	08.17.15 16.06		1

Analytical Method: Alkalinity by SM2320B

Tech: DAM % Moisture:

Analyst: NSI

Seq Number: 974750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Alkalinity, Total (CaCO3)		BRL	4.00	mg/L	08.18.15 09.00	U	1

Analytical Method: Ferrous Iron by SM3500

Tech: NSI % Moisture:

Analyst: NSI

Seq Number: 974620

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Ferrous Iron	IRON II	BRL	0.0500	mg/L	08.14.15 11.00	U	1

Analytical Method: Hydrocarbon Gases by Mod. RSK 175

Tech: MWE % Moisture:

Analyst: MWE

Seq Number: 974849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methane	74-82-8	**0.00323**	0.00200	mg/L	08.19.15 10.07		1
Ethane	74-84-0	BRL	0.00200	mg/L	08.19.15 10.07	U	1
Ethene	74-85-1	BRL	0.0020	mg/L	08.19.15 10.07	U	1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-1** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-001 Date Collected: 08.13.15 15.35

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.18.15 16.59	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.18.15 16.59	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.18.15 16.59	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.18.15 16.59	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.18.15 16.59	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.18.15 16.59	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.18.15 16.59	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.18.15 16.59	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.18.15 16.59	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.18.15 16.59	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.18.15 16.59	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.18.15 16.59	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.18.15 16.59	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.18.15 16.59	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.18.15 16.59	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.18.15 16.59	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	08.18.15 16.59	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.18.15 16.59	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.18.15 16.59	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.18.15 16.59	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.18.15 16.59	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.18.15 16.59	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.18.15 16.59	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.18.15 16.59	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.18.15 16.59	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.18.15 16.59	U	1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-1** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-001 Date Collected: 08.13.15 15.35

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.18.15 16.59	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.18.15 16.59	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.18.15 16.59	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.18.15 16.59	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.18.15 16.59	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.18.15 16.59	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.18.15 16.59	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.18.15 16.59	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	08.18.15 16.59	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.18.15 16.59	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.18.15 16.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	133	%	53-159	08.18.15 16.59	
4-Bromofluorobenzene	460-00-4	100	%	30-186	08.18.15 16.59	
Toluene-D8	2037-26-5	108	%	70-130	08.18.15 16.59	

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-2** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-002 Date Collected: 08.11.15 13.40

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,1-Dichloroethane	75-34-3	**3.79**	1.00	ug/L	08.18.15 17.22		1
1,1-Dichloroethene	75-35-4	**6.34**	1.00	ug/L	08.18.15 17.22		1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.18.15 17.22	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.18.15 17.22	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.18.15 17.22	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.18.15 17.22	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.18.15 17.22	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.18.15 17.22	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.18.15 17.22	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.18.15 17.22	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.18.15 17.22	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.18.15 17.22	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.18.15 17.22	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.18.15 17.22	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.18.15 17.22	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.18.15 17.22	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.18.15 17.22	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.18.15 17.22	U	1
cis-1,2-Dichloroethene	156-59-2	**10.5**	1.00	ug/L	08.18.15 17.22		1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.18.15 17.22	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.18.15 17.22	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.18.15 17.22	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.18.15 17.22	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.18.15 17.22	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.18.15 17.22	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.18.15 17.22	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.18.15 17.22	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.18.15 17.22	U	1

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-2** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-002 Date Collected: 08.11.15 13.40

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.18.15 17.22	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.18.15 17.22	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.18.15 17.22	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.18.15 17.22	U	1
Tetrachloroethene	127-18-4	**31.2**	1.00	ug/L	08.18.15 17.22		1
Toluene	108-88-3	BRL	1.00	ug/L	08.18.15 17.22	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.18.15 17.22	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.18.15 17.22	U	1
Trichloroethene	79-01-6	**21.0**	1.00	ug/L	08.18.15 17.22		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.18.15 17.22	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.18.15 17.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	130	%	53-159	08.18.15 17.22	
4-Bromofluorobenzene	460-00-4	99	%	30-186	08.18.15 17.22	
Toluene-D8	2037-26-5	108	%	70-130	08.18.15 17.22	

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-3** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-003 Date Collected: 08.11.15 15.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.18.15 17.46	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.18.15 17.46	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.18.15 17.46	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.18.15 17.46	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.18.15 17.46	U	1
Acetone	67-64-1	**5.04**	2.00	ug/L	08.18.15 17.46		1
Benzene	71-43-2	BRL	1.00	ug/L	08.18.15 17.46	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.18.15 17.46	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.18.15 17.46	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.18.15 17.46	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.18.15 17.46	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.18.15 17.46	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.18.15 17.46	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.18.15 17.46	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.18.15 17.46	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.18.15 17.46	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	08.18.15 17.46	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.18.15 17.46	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.18.15 17.46	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.18.15 17.46	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.18.15 17.46	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.18.15 17.46	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.18.15 17.46	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.18.15 17.46	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.18.15 17.46	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.18.15 17.46	U	1

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-3** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-003 Date Collected: 08.11.15 15.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.18.15 17.46	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.18.15 17.46	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.18.15 17.46	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.18.15 17.46	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.18.15 17.46	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.18.15 17.46	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.18.15 17.46	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.18.15 17.46	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	08.18.15 17.46	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.18.15 17.46	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.18.15 17.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	137	%	53-159	08.18.15 17.46	
4-Bromofluorobenzene	460-00-4	99	%	30-186	08.18.15 17.46	
Toluene-D8	2037-26-5	108	%	70-130	08.18.15 17.46	

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-4** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-004 Date Collected: 08.11.15 14.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.17.15 14.06	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.17.15 14.06	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.17.15 14.06	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.17.15 14.06	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.17.15 14.06	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.17.15 14.06	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.17.15 14.06	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.17.15 14.06	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.17.15 14.06	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.17.15 14.06	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.17.15 14.06	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.17.15 14.06	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.17.15 14.06	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.17.15 14.06	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.17.15 14.06	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.17.15 14.06	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	08.17.15 14.06	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.17.15 14.06	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.17.15 14.06	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.17.15 14.06	U	1
Dichlorodifluoromethane	75-71-8	**3.04**	1.00	ug/L	08.17.15 14.06		1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.17.15 14.06	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.17.15 14.06	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.17.15 14.06	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.17.15 14.06	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.17.15 14.06	U	1

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-4** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-004 Date Collected: 08.11.15 14.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.17.15 14.06	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.17.15 14.06	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.17.15 14.06	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.17.15 14.06	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.17.15 14.06	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.17.15 14.06	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.17.15 14.06	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.17.15 14.06	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	08.17.15 14.06	U	1
Trichlorofluoromethane	75-69-4	**3.36**	1.00	ug/L	08.17.15 14.06		1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.17.15 14.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	117	%	53-159	08.17.15 14.06	
4-Bromofluorobenzene	460-00-4	98	%	30-186	08.17.15 14.06	
Toluene-D8	2037-26-5	107	%	70-130	08.17.15 14.06	

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-5** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-005 Date Collected: 08.12.15 16.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.17.15 14.29	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.17.15 14.29	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.17.15 14.29	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.17.15 14.29	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.17.15 14.29	U	1
Acetone	67-64-1	**6.22**	2.00	ug/L	08.17.15 14.29		1
Benzene	71-43-2	BRL	1.00	ug/L	08.17.15 14.29	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.17.15 14.29	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.17.15 14.29	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.17.15 14.29	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.17.15 14.29	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.17.15 14.29	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.17.15 14.29	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.17.15 14.29	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.17.15 14.29	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.17.15 14.29	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	08.17.15 14.29	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.17.15 14.29	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.17.15 14.29	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.17.15 14.29	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.17.15 14.29	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.17.15 14.29	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.17.15 14.29	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.17.15 14.29	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.17.15 14.29	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.17.15 14.29	U	1

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-5** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-005 Date Collected: 08.12.15 16.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.17.15 14.29	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.17.15 14.29	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.17.15 14.29	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.17.15 14.29	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.17.15 14.29	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.17.15 14.29	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.17.15 14.29	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.17.15 14.29	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	08.17.15 14.29	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.17.15 14.29	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.17.15 14.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	116	%	53-159	08.17.15 14.29	
4-Bromofluorobenzene	460-00-4	100	%	30-186	08.17.15 14.29	
Toluene-D8	2037-26-5	108	%	70-130	08.17.15 14.29	

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-6** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-006 Date Collected: 08.12.15 15.10

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,1-Dichloroethane	75-34-3	**8.29**	1.00	ug/L	08.17.15 14.53		1
1,1-Dichloroethene	75-35-4	**13.2**	1.00	ug/L	08.17.15 14.53		1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.17.15 14.53	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.17.15 14.53	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.17.15 14.53	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.17.15 14.53	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.17.15 14.53	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.17.15 14.53	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.17.15 14.53	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.17.15 14.53	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.17.15 14.53	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.17.15 14.53	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.17.15 14.53	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.17.15 14.53	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.17.15 14.53	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.17.15 14.53	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.17.15 14.53	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.17.15 14.53	U	1
cis-1,2-Dichloroethene	156-59-2	**1.85**	1.00	ug/L	08.17.15 14.53		1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.17.15 14.53	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.17.15 14.53	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.17.15 14.53	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.17.15 14.53	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.17.15 14.53	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.17.15 14.53	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.17.15 14.53	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.17.15 14.53	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.17.15 14.53	U	1

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-6** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-006 Date Collected: 08.12.15 15.10

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.17.15 14.53	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.17.15 14.53	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.17.15 14.53	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.17.15 14.53	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.17.15 14.53	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.17.15 14.53	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.17.15 14.53	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.17.15 14.53	U	1
Trichloroethene	79-01-6	**2.35**	1.00	ug/L	08.17.15 14.53		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.17.15 14.53	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.17.15 14.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	116	%	53-159	08.17.15 14.53	
4-Bromofluorobenzene	460-00-4	99	%	30-186	08.17.15 14.53	
Toluene-D8	2037-26-5	108	%	70-130	08.17.15 14.53	

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-7** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-007 Date Collected: 08.12.15 14.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,1-Dichloroethane	75-34-3	**5.06**	1.00	ug/L	08.17.15 15.17		1
1,1-Dichloroethene	75-35-4	**14.4**	1.00	ug/L	08.17.15 15.17		1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.17.15 15.17	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.17.15 15.17	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.17.15 15.17	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.17.15 15.17	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.17.15 15.17	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.17.15 15.17	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.17.15 15.17	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.17.15 15.17	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.17.15 15.17	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.17.15 15.17	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.17.15 15.17	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.17.15 15.17	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.17.15 15.17	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.17.15 15.17	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.17.15 15.17	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.17.15 15.17	U	1
cis-1,2-Dichloroethene	156-59-2	**6.19**	1.00	ug/L	08.17.15 15.17		1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.17.15 15.17	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.17.15 15.17	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.17.15 15.17	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.17.15 15.17	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.17.15 15.17	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.17.15 15.17	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.17.15 15.17	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.17.15 15.17	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.17.15 15.17	U	1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-7** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-007 Date Collected: 08.12.15 14.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.17.15 15.17	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.17.15 15.17	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.17.15 15.17	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.17.15 15.17	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.17.15 15.17	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.17.15 15.17	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.17.15 15.17	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.17.15 15.17	U	1
Trichloroethene	79-01-6	**7.40**	1.00	ug/L	08.17.15 15.17		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.17.15 15.17	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.17.15 15.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	118	%	53-159	08.17.15 15.17	
4-Bromofluorobenzene	460-00-4	102	%	30-186	08.17.15 15.17	
Toluene-D8	2037-26-5	108	%	70-130	08.17.15 15.17	

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **W-5** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-008 Date Collected: 08.13.15 14.25

Analytical Method: TOC by SM 5310C Prep Method: SM5310P

Tech: BHRE % Moisture:

Analyst: BHRE Date Prep: 08.17.15 10.23

Seq Number: 974857 SUB: E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	**5.44**	1.00	mg/L	08.17.15 16.18		1

Analytical Method: Alkalinity by SM2320B

Tech: DAM % Moisture:

Analyst: NSI

Seq Number: 974750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Alkalinity, Total (CaCO3)		BRL	4.00	mg/L	08.18.15 09.00	U	1

Analytical Method: Ferrous Iron by SM3500

Tech: NSI % Moisture:

Analyst: NSI

Seq Number: 974620

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Ferrous Iron	IRON II	**0.160**	0.0500	mg/L	08.14.15 11.00		1

Analytical Method: Hydrocarbon Gases by Mod. RSK 175

Tech: MWE % Moisture:

Analyst: MWE

Seq Number: 974849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methane	74-82-8	**0.0286**	0.00200	mg/L	08.19.15 10.09		1
Ethane	74-84-0	BRL	0.00200	mg/L	08.19.15 10.09	U	1
Ethene	74-85-1	BRL	0.0020	mg/L	08.19.15 10.09	U	1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **W-5** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-008 Date Collected: 08.13.15 14.25

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,1-Dichloroethane	75-34-3	**16.3**	1.00	ug/L	08.17.15 15.40		1
1,1-Dichloroethene	75-35-4	**48.6**	1.00	ug/L	08.17.15 15.40		1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,2-Dichloroethane	107-06-2	**1.93**	1.00	ug/L	08.17.15 15.40		1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.17.15 15.40	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.17.15 15.40	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.17.15 15.40	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.17.15 15.40	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.17.15 15.40	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.17.15 15.40	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.17.15 15.40	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.17.15 15.40	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.17.15 15.40	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.17.15 15.40	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.17.15 15.40	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.17.15 15.40	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.17.15 15.40	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.17.15 15.40	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.17.15 15.40	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.17.15 15.40	U	1
cis-1,2-Dichloroethene	156-59-2	**4.38**	1.00	ug/L	08.17.15 15.40		1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.17.15 15.40	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.17.15 15.40	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.17.15 15.40	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.17.15 15.40	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.17.15 15.40	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.17.15 15.40	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.17.15 15.40	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.17.15 15.40	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.17.15 15.40	U	1

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **W-5** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-008 Date Collected: 08.13.15 14.25

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.17.15 15.40	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.17.15 15.40	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.17.15 15.40	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.17.15 15.40	U	1
Tetrachloroethene	127-18-4	**59.5**	1.00	ug/L	08.17.15 15.40		1
Toluene	108-88-3	BRL	1.00	ug/L	08.17.15 15.40	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.17.15 15.40	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.17.15 15.40	U	1
Trichloroethene	79-01-6	**34.0**	1.00	ug/L	08.17.15 15.40		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.17.15 15.40	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.17.15 15.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	117	%	53-159	08.17.15 15.40	
4-Bromofluorobenzene	460-00-4	99	%	30-186	08.17.15 15.40	
Toluene-D8	2037-26-5	109	%	70-130	08.17.15 15.40	

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-1** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-009 Date Collected: 08.13.15 12.00

Analytical Method: TOC by SM 5310C Prep Method: SM5310P

Tech: BHRE % Moisture:

Analyst: BHRE Date Prep: 08.17.15 10.23

Seq Number: 974857 SUB: E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	**1.31**	1.00	mg/L	08.17.15 16.30		1

Analytical Method: Alkalinity by SM2320B

Tech: DAM % Moisture:

Analyst: NSI

Seq Number: 974750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Alkalinity, Total (CaCO3)		BRL	4.00	mg/L	08.18.15 09.00	U	1

Analytical Method: Ferrous Iron by SM3500

Tech: NSI % Moisture:

Analyst: NSI

Seq Number: 974620

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Ferrous Iron	IRON II	BRL	0.0500	mg/L	08.14.15 11.00	U	1

Analytical Method: Hydrocarbon Gases by Mod. RSK 175

Tech: MWE % Moisture:

Analyst: MWE

Seq Number: 974849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methane	74-82-8	**0.00277**	0.00200	mg/L	08.19.15 10.12		1
Ethane	74-84-0	BRL	0.00200	mg/L	08.19.15 10.12	U	1
Ethene	74-85-1	BRL	0.0020	mg/L	08.19.15 10.12	U	1

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-1** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-009 Date Collected: 08.13.15 12.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.17.15 16.04	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.17.15 16.04	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.17.15 16.04	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.17.15 16.04	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.17.15 16.04	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.17.15 16.04	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.17.15 16.04	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.17.15 16.04	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.17.15 16.04	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.17.15 16.04	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.17.15 16.04	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.17.15 16.04	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.17.15 16.04	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.17.15 16.04	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.17.15 16.04	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.17.15 16.04	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	08.17.15 16.04	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.17.15 16.04	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.17.15 16.04	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.17.15 16.04	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.17.15 16.04	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.17.15 16.04	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.17.15 16.04	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.17.15 16.04	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.17.15 16.04	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.17.15 16.04	U	1

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-1** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-009 Date Collected: 08.13.15 12.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.17.15 16.04	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.17.15 16.04	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.17.15 16.04	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.17.15 16.04	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.17.15 16.04	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.17.15 16.04	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.17.15 16.04	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.17.15 16.04	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	08.17.15 16.04	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.17.15 16.04	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.17.15 16.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	118	%	53-159	08.17.15 16.04	
4-Bromofluorobenzene	460-00-4	101	%	30-186	08.17.15 16.04	
Toluene-D8	2037-26-5	109	%	70-130	08.17.15 16.04	

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-4** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-010 Date Collected: 08.12.15 12.25

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.17.15 16.28	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.17.15 16.28	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.17.15 16.28	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.17.15 16.28	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.17.15 16.28	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.17.15 16.28	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.17.15 16.28	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.17.15 16.28	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.17.15 16.28	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.17.15 16.28	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.17.15 16.28	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.17.15 16.28	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.17.15 16.28	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.17.15 16.28	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.17.15 16.28	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.17.15 16.28	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	08.17.15 16.28	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.17.15 16.28	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.17.15 16.28	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.17.15 16.28	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.17.15 16.28	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.17.15 16.28	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.17.15 16.28	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.17.15 16.28	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.17.15 16.28	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.17.15 16.28	U	1

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AMEC Foster Wheeler, Atlanta, GA

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Sample Id: **GW-4** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-010 Date Collected: 08.12.15 12.25

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.17.15 16.28	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.17.15 16.28	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.17.15 16.28	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.17.15 16.28	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.17.15 16.28	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.17.15 16.28	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.17.15 16.28	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.17.15 16.28	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	08.17.15 16.28	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.17.15 16.28	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.17.15 16.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	120	%	53-159	08.17.15 16.28	
4-Bromofluorobenzene	460-00-4	100	%	30-186	08.17.15 16.28	
Toluene-D8	2037-26-5	108	%	70-130	08.17.15 16.28	

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AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-5** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-011 Date Collected: 08.12.15 11.20

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.17.15 18.50	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.17.15 18.50	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.17.15 18.50	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.17.15 18.50	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.17.15 18.50	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.17.15 18.50	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.17.15 18.50	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.17.15 18.50	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.17.15 18.50	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.17.15 18.50	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.17.15 18.50	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.17.15 18.50	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.17.15 18.50	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.17.15 18.50	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.17.15 18.50	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.17.15 18.50	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	08.17.15 18.50	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.17.15 18.50	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.17.15 18.50	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.17.15 18.50	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.17.15 18.50	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.17.15 18.50	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.17.15 18.50	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.17.15 18.50	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.17.15 18.50	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.17.15 18.50	U	1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-5** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-011 Date Collected: 08.12.15 11.20

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Seq Number: 974691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.17.15 18.50	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.17.15 18.50	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.17.15 18.50	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.17.15 18.50	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.17.15 18.50	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.17.15 18.50	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.17.15 18.50	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.17.15 18.50	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	08.17.15 18.50	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.17.15 18.50	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.17.15 18.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	117	%	53-159	08.17.15 18.50	
4-Bromofluorobenzene	460-00-4	99	%	30-186	08.17.15 18.50	
Toluene-D8	2037-26-5	109	%	70-130	08.17.15 18.50	

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-7** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-012 Date Collected: 08.13.15 13.35

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.18.15 15.48	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.18.15 15.48	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.18.15 15.48	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.18.15 15.48	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.18.15 15.48	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.18.15 15.48	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.18.15 15.48	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.18.15 15.48	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.18.15 15.48	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.18.15 15.48	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.18.15 15.48	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.18.15 15.48	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.18.15 15.48	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.18.15 15.48	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.18.15 15.48	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.18.15 15.48	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	08.18.15 15.48	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.18.15 15.48	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.18.15 15.48	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.18.15 15.48	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.18.15 15.48	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.18.15 15.48	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.18.15 15.48	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.18.15 15.48	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.18.15 15.48	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.18.15 15.48	U	1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-7** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-012 Date Collected: 08.13.15 13.35

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.18.15 15.48	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.18.15 15.48	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.18.15 15.48	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.18.15 15.48	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.18.15 15.48	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.18.15 15.48	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.18.15 15.48	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.18.15 15.48	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	08.18.15 15.48	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.18.15 15.48	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.18.15 15.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	132	%	53-159	08.18.15 15.48	
4-Bromofluorobenzene	460-00-4	100	%	30-186	08.18.15 15.48	
Toluene-D8	2037-26-5	108	%	70-130	08.18.15 15.48	

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-10** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-013 Date Collected: 08.12.15 10.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.18.15 16.11	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.18.15 16.11	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.18.15 16.11	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.18.15 16.11	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.18.15 16.11	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.18.15 16.11	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.18.15 16.11	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.18.15 16.11	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.18.15 16.11	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.18.15 16.11	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.18.15 16.11	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.18.15 16.11	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.18.15 16.11	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.18.15 16.11	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.18.15 16.11	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.18.15 16.11	U	1
cis-1,2-Dichloroethene	156-59-2	**1.23**	1.00	ug/L	08.18.15 16.11		1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.18.15 16.11	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.18.15 16.11	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.18.15 16.11	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.18.15 16.11	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.18.15 16.11	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.18.15 16.11	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.18.15 16.11	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.18.15 16.11	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.18.15 16.11	U	1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GW-10** Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-013 Date Collected: 08.12.15 10.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.18.15 16.11	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.18.15 16.11	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.18.15 16.11	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.18.15 16.11	U	1
Tetrachloroethene	127-18-4	**4.44**	1.00	ug/L	08.18.15 16.11		1
Toluene	108-88-3	BRL	1.00	ug/L	08.18.15 16.11	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.18.15 16.11	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.18.15 16.11	U	1
Trichloroethene	79-01-6	**3.00**	1.00	ug/L	08.18.15 16.11		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.18.15 16.11	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.18.15 16.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	132	%	53-159	08.18.15 16.11	
4-Bromofluorobenzene	460-00-4	99	%	30-186	08.18.15 16.11	
Toluene-D8	2037-26-5	107	%	70-130	08.18.15 16.11	

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **HA-1** Matrix: Soil Date Received:08.14.15 11.15

Lab Sample Id: 513418-014 Date Collected: 08.13.15 15.20 Sample Depth: 2 ft

Analytical Method: TOC in Soils by Walkley Black

Tech: DHE % Moisture: 9.35

Analyst: DHE Basis: Dry Weight

Seq Number: 974946 SUB: E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	**331**	0.552	mg/kg	08.19.15 15.00		1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **HA-2** Matrix: Soil Date Received:08.14.15 11.15

Lab Sample Id: 513418-015 Date Collected: 08.13.15 14.30 Sample Depth: 2 ft

Analytical Method: TOC in Soils by Walkley Black

Tech: DHE % Moisture: 14.15

Analyst: DHE Basis: Dry Weight

Seq Number: 974946 SUB: E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	**2420**	0.582	mg/kg	08.19.15 15.00		1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id:	**HA-3**	Matrix:	Soil	Date Received:	08.14.15 11.15
Lab Sample Id:	513418-016	Date Collected:	08.13.15 12.15	Sample Depth:	2 ft

Analytical Method: TOC in Soils by Walkley Black

Tech:	DHE	% Moisture:	26.85
Analyst:	DHE	Basis:	Dry Weight
Seq Number:	974946	SUB:	E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	**19000**	0.684	mg/kg	08.19.15 15.00		1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **Trip Blank** Matrix: Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-017 Date Collected: 08.11.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	08.18.15 16.35	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	08.18.15 16.35	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	08.18.15 16.35	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	08.18.15 16.35	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	08.18.15 16.35	U	1
Acetone	67-64-1	BRL	2.00	ug/L	08.18.15 16.35	U	1
Benzene	71-43-2	BRL	1.00	ug/L	08.18.15 16.35	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	08.18.15 16.35	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	08.18.15 16.35	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	08.18.15 16.35	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	08.18.15 16.35	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	08.18.15 16.35	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	08.18.15 16.35	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	08.18.15 16.35	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	08.18.15 16.35	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	08.18.15 16.35	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	08.18.15 16.35	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	08.18.15 16.35	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	08.18.15 16.35	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	08.18.15 16.35	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	08.18.15 16.35	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	08.18.15 16.35	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	08.18.15 16.35	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	08.18.15 16.35	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	08.18.15 16.35	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	08.18.15 16.35	U	1

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **Trip Blank** Matrix: Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-017 Date Collected: 08.11.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Seq Number: 974870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	08.18.15 16.35	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	08.18.15 16.35	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	08.18.15 16.35	U	1
Styrene	100-42-5	BRL	1.00	ug/L	08.18.15 16.35	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	08.18.15 16.35	U	1
Toluene	108-88-3	BRL	1.00	ug/L	08.18.15 16.35	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	08.18.15 16.35	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	08.18.15 16.35	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	08.18.15 16.35	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	08.18.15 16.35	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	08.18.15 16.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	132	%	53-159	08.18.15 16.35	
4-Bromofluorobenzene	460-00-4	100	%	30-186	08.18.15 16.35	
Toluene-D8	2037-26-5	110	%	70-130	08.18.15 16.35	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: TOC by SM 5310C — Prep Method: SM5310P
Seq Number: 974857 — Matrix: Water — Date Prep: 08.17.15
MB Sample Id: 696834-1-BLK — LCS Sample Id: 696834-1-BKS — LCSD Sample Id: 696834-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Total Organic Carbon	0.188	5.00	5.26	105	5.28	106	90-110	0	20	mg/L	08.17.15 15:43	

Analytical Method: TOC by SM 5310C — Prep Method: SM5310P
Seq Number: 974857 — Matrix: Ground Water — Date Prep: 08.17.15
Parent Sample Id: 513272-007 — MS Sample Id: 513272-007 S — MSD Sample Id: 513272-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Total Organic Carbon	3.14	5.00	8.09	99	8.27	103	90-110	2	20	mg/L	08.18.15 15:39	

Analytical Method: TOC by SM 5310C — Prep Method: SM5310P
Seq Number: 974857 — Matrix: Ground Water — Date Prep: 08.17.15
Parent Sample Id: 513347-004 — MS Sample Id: 513347-004 S — MSD Sample Id: 513347-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Total Organic Carbon	1.76	5.00	9.03	145	9.15	148	90-110	1	20	mg/L	08.18.15 17:38	X

Analytical Method: Alkalinity by SM2320B
Seq Number: 974750 — Matrix: Water
MB Sample Id: 974750-1-BLK — LCS Sample Id: 974750-1-BKS — LCSD Sample Id: 974750-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Alkalinity, Total (CaCO3)	<0.954	69.0	68.0	99	69.0	100	80-120	1	20	mg/L	08.18.15 09:00	

Analytical Method: Alkalinity by SM2320B
Seq Number: 974750 — Matrix: Ground Water
Parent Sample Id: 513475-001 — MD Sample Id: 513475-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Alkalinity, Total (CaCO3)	110	110	0	20	mg/L	08.18.15 09:00	

Analytical Method: Ferrous Iron by SM3500
Seq Number: 974620 — Matrix: Water
MB Sample Id: 974620-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Iron	BRL	mg/L	08.14.15 11:00	

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139 Brampton Road

Analytical Method: **Ferrous Iron by SM3500**
Seq Number: 974620 Matrix: Ground Water
Parent Sample Id: 513418-001 MD Sample Id: 513418-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Ferrous Iron	<0.0500	<0.0500	0	25	mg/L	08.14.15 11:00	U

Analytical Method: **Hydrocarbon Gases by Mod. RSK 175**
Seq Number: 974849 Matrix: Water
MB Sample Id: 974849-1-BLK LCS Sample Id: 974849-1-BKS LCSD Sample Id: 974849-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Methane	<0.00187	0.0886	0.0759	86	0.0767	87	41-112	1	20	mg/L	08.19.15 09:58	
Ethane	<0.00203	0.181	0.144	80	0.154	85	42-107	7	20	mg/L	08.19.15 09:58	
Ethene	<0.0020	0.13	0.11	85	0.11	85	31-107	0	20	mg/L	08.19.15 09:58	

Analytical Method: **Hydrocarbon Gases by Mod. RSK 175**
Seq Number: 974849 Matrix: Ground Water
Parent Sample Id: 513418-001 MS Sample Id: 513418-001 S MSD Sample Id: 513418-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Methane	0.00323	0.0886	0.0783	85	0.0763	82	41-112	3	20	mg/L	08.19.15 10:14	
Ethane	<0.00203	0.181	0.168	93	0.163	90	42-107	3	20	mg/L	08.19.15 10:14	
Ethene	<0.0020	0.13	0.12	92	0.11	85	31-107	9	20	mg/L	08.19.15 10:14	

Analytical Method: **Percent Moisture**
Seq Number: 974641 Matrix: Solid
MB Sample Id: 974641-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Percent Moisture	BRL	%	08.17.15 10:42	

Analytical Method: **Percent Moisture**
Seq Number: 974641 Matrix: Soil
Parent Sample Id: 513418-014 MD Sample Id: 513418-014 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	9.35	9.42	1	20	%	08.17.15 10:42	

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139 Brampton Road

Analytical Method: **TOC in Soils by Walkley Black**

Seq Number: 974946 Matrix: Solid

MB Sample Id: 974946-1-BLK LCS Sample Id: 974946-1-BKS LCSD Sample Id: 974946-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Total Organic Carbon	<0.250	1000	889	89	889	89	70-130	0	30	mg/kg	08.19.15 15:00	

Analytical Method: **TOC in Soils by Walkley Black**

Seq Number: 974946 Matrix: Soil

Parent Sample Id: 513418-014 MD Sample Id: 513418-014 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Total Organic Carbon	331	349	5	30	mg/kg	08.19.15 15:00	

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139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 974691 Matrix: Water Date Prep: 08.17.15

MB Sample Id: 696725-1-BLK LCS Sample Id: 696725-1-BKS LCSD Sample Id: 696725-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	52.5	105	50.6	101	65-130	4	20	ug/L	08.17.15 09:26	
1,1,2,2-Tetrachloroethane	<0.180	50.0	48.3	97	46.5	93	65-130	4	20	ug/L	08.17.15 09:26	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	57.2	114	52.3	105	65-130	9	20	ug/L	08.17.15 09:26	
1,1,2-Trichloroethane	<0.250	50.0	50.1	100	48.9	98	75-125	2	20	ug/L	08.17.15 09:26	
1,1-Dichloroethane	<0.110	50.0	56.3	113	53.9	108	70-135	4	20	ug/L	08.17.15 09:26	
1,1-Dichloroethene	<0.200	50.0	53.6	107	51.4	103	70-130	4	20	ug/L	08.17.15 09:26	
1,2,4-Trichlorobenzene	<0.170	50.0	53.5	107	52.1	104	65-135	3	20	ug/L	08.17.15 09:26	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	39.6	79	40.6	81	50-130	2	20	ug/L	08.17.15 09:26	
1,2-Dibromoethane (EDB)	<0.180	50.0	51.0	102	50.5	101	80-120	1	20	ug/L	08.17.15 09:26	
1,2-Dichlorobenzene	<0.140	50.0	49.5	99	47.4	95	70-120	4	20	ug/L	08.17.15 09:26	
1,2-Dichloroethane	<0.180	50.0	52.3	105	50.7	101	70-130	3	20	ug/L	08.17.15 09:26	
1,2-Dichloropropane	<0.150	50.0	49.9	100	48.5	97	75-125	3	20	ug/L	08.17.15 09:26	
1,3-Dichlorobenzene	<0.170	50.0	50.1	100	47.2	94	75-125	6	20	ug/L	08.17.15 09:26	
1,4-Dichlorobenzene	<0.170	50.0	48.8	98	45.9	92	75-125	6	20	ug/L	08.17.15 09:26	
1,4-Dioxane	<8.84	1000	931	93	903	90	30-145	3	20	ug/L	08.17.15 09:26	
2-Butanone (MEK)	<0.280	100	99.4	99	93.6	94	30-150	6	20	ug/L	08.17.15 09:26	
2-Hexanone	<0.320	100	105	105	103	103	55-130	2	20	ug/L	08.17.15 09:26	
4-Methyl-2-pentanone (MIBK)	<0.260	100	100	100	98.2	98	60-135	2	20	ug/L	08.17.15 09:26	
Acetone	<0.350	100	114	114	105	105	40-140	8	20	ug/L	08.17.15 09:26	
Benzene	<0.160	50.0	48.2	96	46.3	93	80-120	4	20	ug/L	08.17.15 09:26	
Bromodichloromethane	<0.250	50.0	48.1	96	46.0	92	75-120	4	20	ug/L	08.17.15 09:26	
Bromoform	<0.170	50.0	43.9	88	42.2	84	70-130	4	20	ug/L	08.17.15 09:26	
Bromomethane	<0.250	50.0	50.8	102	47.4	95	30-145	7	20	ug/L	08.17.15 09:26	
Carbon disulfide	<0.260	50.0	53.9	108	50.7	101	35-160	6	20	ug/L	08.17.15 09:26	
Carbon tetrachloride	<0.330	50.0	49.9	100	48.0	96	65-140	4	20	ug/L	08.17.15 09:26	
Chlorobenzene	<0.150	50.0	49.5	99	46.9	94	80-120	5	20	ug/L	08.17.15 09:26	
Chloroethane	<0.260	50.0	48.1	96	46.9	94	60-135	3	20	ug/L	08.17.15 09:26	
Chloroform	<0.160	50.0	53.1	106	50.3	101	65-135	5	20	ug/L	08.17.15 09:26	
Chloromethane	<0.250	50.0	42.9	86	40.6	81	40-125	6	20	ug/L	08.17.15 09:26	
cis-1,2-Dichloroethene	<0.210	50.0	48.7	97	45.6	91	70-125	7	20	ug/L	08.17.15 09:26	
cis-1,3-Dichloropropene	<0.100	50.0	50.1	100	47.6	95	70-130	5	20	ug/L	08.17.15 09:26	
Cyclohexane	<0.150	50.0	50.9	102	48.5	97	65-135	5	20	ug/L	08.17.15 09:26	
Dibromochloromethane	<0.150	50.0	48.8	98	47.5	95	60-135	3	20	ug/L	08.17.15 09:26	
Dichlorodifluoromethane	<0.220	50.0	36.8	74	32.9	66	30-155	11	20	ug/L	08.17.15 09:26	
Ethylbenzene	<0.190	50.0	49.7	99	47.5	95	75-125	5	20	ug/L	08.17.15 09:26	
Isopropylbenzene	<0.150	50.0	46.2	92	44.5	89	75-125	4	20	ug/L	08.17.15 09:26	
m,p-Xylenes	<0.510	100	101	101	96.5	97	75-130	5	20	ug/L	08.17.15 09:26	
Methyl acetate	<0.260	50.0	54.4	109	54.2	108	65-135	0	20	ug/L	08.17.15 09:26	
Methyl tert-butyl ether	<0.180	100	106	106	102	102	65-125	4	20	ug/L	08.17.15 09:26	
Methylcyclohexane	<0.110	50.0	51.9	104	48.6	97	65-135	7	20	ug/L	08.17.15 09:26	
Methylene chloride	<0.420	50.0	57.1	114	55.0	110	55-140	4	20	ug/L	08.17.15 09:26	
o-Xylene	<0.200	50.0	50.0	100	47.8	96	80-120	4	20	ug/L	08.17.15 09:26	
Styrene	<0.180	50.0	51.5	103	48.5	97	65-135	6	20	ug/L	08.17.15 09:26	
Tetrachloroethene	<0.160	50.0	46.4	93	43.2	86	45-150	7	20	ug/L	08.17.15 09:26	
Toluene	<0.140	50.0	48.9	98	47.2	94	75-120	4	20	ug/L	08.17.15 09:26	
trans-1,2-Dichloroethene	<0.210	50.0	61.1	122	57.0	114	60-140	7	20	ug/L	08.17.15 09:26	
trans-1,3-Dichloropropene	<0.110	50.0	43.4	87	42.3	85	55-140	3	20	ug/L	08.17.15 09:26	
Trichloroethene	<0.190	50.0	48.3	97	46.4	93	70-125	4	20	ug/L	08.17.15 09:26	
Trichlorofluoromethane	<0.530	50.0	56.1	112	53.8	108	60-145	4	20	ug/L	08.17.15 09:26	
Vinyl chloride	<0.190	50.0	48.4	97	45.7	91	50-145	6	20	ug/L	08.17.15 09:26	

QC Summary 513418

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 974691 Matrix: Water Date Prep: 08.17.15

MB Sample Id: 696725-1-BLK LCS Sample Id: 696725-1-BKS LCSD Sample Id: 696725-1-BSD

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	114		109		105		53-159	%	08.17.15 09:26
4-Bromofluorobenzene	101		97		99		30-186	%	08.17.15 09:26
Toluene-D8	107		105		105		70-130	%	08.17.15 09:26

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139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 974870 Matrix: Water Date Prep: 08.18.15

MB Sample Id: 696844-1-BLK LCS Sample Id: 696844-1-BKS LCSD Sample Id: 696844-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	51.6	103	51.4	103	65-130	0	20	ug/L	08.18.15 11:47	
1,1,2,2-Tetrachloroethane	<0.180	50.0	47.3	95	47.1	94	65-130	0	20	ug/L	08.18.15 11:47	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	57.0	114	57.1	114	65-130	0	20	ug/L	08.18.15 11:47	
1,1,2-Trichloroethane	<0.250	50.0	48.3	97	50.3	101	75-125	4	20	ug/L	08.18.15 11:47	
1,1-Dichloroethane	<0.110	50.0	56.3	113	55.9	112	70-135	1	20	ug/L	08.18.15 11:47	
1,1-Dichloroethene	<0.200	50.0	54.8	110	54.3	109	70-130	1	20	ug/L	08.18.15 11:47	
1,2,4-Trichlorobenzene	<0.170	50.0	49.8	100	49.9	100	65-135	0	20	ug/L	08.18.15 11:47	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	39.4	79	40.0	80	50-130	2	20	ug/L	08.18.15 11:47	
1,2-Dibromoethane (EDB)	<0.180	50.0	50.6	101	49.9	100	80-120	1	20	ug/L	08.18.15 11:47	
1,2-Dichlorobenzene	<0.140	50.0	47.7	95	46.7	93	70-120	2	20	ug/L	08.18.15 11:47	
1,2-Dichloroethane	<0.180	50.0	54.7	109	54.6	109	70-130	0	20	ug/L	08.18.15 11:47	
1,2-Dichloropropane	<0.150	50.0	47.9	96	48.2	96	75-125	1	20	ug/L	08.18.15 11:47	
1,3-Dichlorobenzene	<0.170	50.0	47.4	95	46.3	93	75-125	2	20	ug/L	08.18.15 11:47	
1,4-Dichlorobenzene	<0.170	50.0	45.9	92	44.8	90	75-125	2	20	ug/L	08.18.15 11:47	
1,4-Dioxane	<8.84	1000	891	89	900	90	30-145	1	20	ug/L	08.18.15 11:47	
2-Butanone (MEK)	<0.280	100	105	105	107	107	30-150	2	20	ug/L	08.18.15 11:47	
2-Hexanone	<0.320	100	110	110	114	114	55-130	4	20	ug/L	08.18.15 11:47	
4-Methyl-2-pentanone (MIBK)	<0.260	100	106	106	110	110	60-135	4	20	ug/L	08.18.15 11:47	
Acetone	<0.350	100	118	118	122	122	40-140	3	20	ug/L	08.18.15 11:47	
Benzene	<0.160	50.0	46.3	93	47.1	94	80-120	2	20	ug/L	08.18.15 11:47	
Bromodichloromethane	<0.250	50.0	44.4	89	46.0	92	75-120	4	20	ug/L	08.18.15 11:47	
Bromoform	<0.170	50.0	39.4	79	40.6	81	70-130	3	20	ug/L	08.18.15 11:47	
Bromomethane	<0.250	50.0	54.6	109	55.8	112	30-145	2	20	ug/L	08.18.15 11:47	
Carbon disulfide	<0.260	50.0	51.2	102	52.3	105	35-160	2	20	ug/L	08.18.15 11:47	
Carbon tetrachloride	<0.330	50.0	47.2	94	48.6	97	65-140	3	20	ug/L	08.18.15 11:47	
Chlorobenzene	<0.150	50.0	46.9	94	47.5	95	80-120	1	20	ug/L	08.18.15 11:47	
Chloroethane	<0.260	50.0	56.5	113	44.4	89	60-135	24	20	ug/L	08.18.15 11:47	F
Chloroform	<0.160	50.0	50.5	101	51.3	103	65-135	2	20	ug/L	08.18.15 11:47	
Chloromethane	<0.250	50.0	55.1	110	55.3	111	40-125	0	20	ug/L	08.18.15 11:47	
cis-1,2-Dichloroethene	<0.210	50.0	46.6	93	46.4	93	70-125	0	20	ug/L	08.18.15 11:47	
cis-1,3-Dichloropropene	<0.100	50.0	45.1	90	45.6	91	70-130	1	20	ug/L	08.18.15 11:47	
Cyclohexane	<0.150	50.0	51.0	102	51.2	102	65-135	0	20	ug/L	08.18.15 11:47	
Dibromochloromethane	<0.150	50.0	45.6	91	45.9	92	60-135	1	20	ug/L	08.18.15 11:47	
Dichlorodifluoromethane	<0.220	50.0	59.2	118	59.5	119	30-155	1	20	ug/L	08.18.15 11:47	
Ethylbenzene	<0.190	50.0	47.5	95	47.7	95	75-125	0	20	ug/L	08.18.15 11:47	
Isopropylbenzene	<0.150	50.0	44.2	88	44.1	88	75-125	0	20	ug/L	08.18.15 11:47	
m,p-Xylenes	<0.510	100	96.3	96	96.3	96	75-130	0	20	ug/L	08.18.15 11:47	
Methyl acetate	<0.260	50.0	60.6	121	61.7	123	65-135	2	20	ug/L	08.18.15 11:47	
Methyl tert-butyl ether	<0.180	100	106	106	107	107	65-125	1	20	ug/L	08.18.15 11:47	
Methylcyclohexane	<0.110	50.0	48.1	96	48.5	97	65-135	1	20	ug/L	08.18.15 11:47	
Methylene chloride	<0.420	50.0	58.1	116	54.4	109	55-140	7	20	ug/L	08.18.15 11:47	
o-Xylene	<0.200	50.0	46.9	94	46.4	93	80-120	1	20	ug/L	08.18.15 11:47	
Styrene	<0.180	50.0	48.7	97	48.9	98	65-135	0	20	ug/L	08.18.15 11:47	
Tetrachloroethene	<0.160	50.0	43.0	86	44.1	88	45-150	3	20	ug/L	08.18.15 11:47	
Toluene	<0.140	50.0	46.0	92	46.4	93	75-120	1	20	ug/L	08.18.15 11:47	
trans-1,2-Dichloroethene	<0.210	50.0	58.6	117	58.0	116	60-140	1	20	ug/L	08.18.15 11:47	
trans-1,3-Dichloropropene	<0.110	50.0	40.3	81	40.4	81	55-140	0	20	ug/L	08.18.15 11:47	
Trichloroethene	<0.190	50.0	46.1	92	46.1	92	70-125	0	20	ug/L	08.18.15 11:47	
Trichlorofluoromethane	<0.530	50.0	63.1	126	64.3	129	60-145	2	20	ug/L	08.18.15 11:47	
Vinyl chloride	<0.190	50.0	57.1	114	56.9	114	50-145	0	20	ug/L	08.18.15 11:47	

QC Summary 513418

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 974870 Matrix: Water Date Prep: 08.18.15

MB Sample Id: 696844-1-BLK LCS Sample Id: 696844-1-BKS LCSD Sample Id: 696844-1-BSD

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	126		118		115		53-159	%	08.18.15 11:47
4-Bromofluorobenzene	100		97		99		30-186	%	08.18.15 11:47
Toluene-D8	109		105		106		70-130	%	08.18.15 11:47

AMEC Foster Wheeler
139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B
Seq Number: 974691 Matrix: Ground Water Date Prep: 08.17.15
Parent Sample Id: 513418-010 MS Sample Id: 513418-010 S MSD Sample Id: 513418-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	49.2	98	49.0	98	59-138	0	20	ug/L	08.17.15 19:13	
1,1,2,2-Tetrachloroethane	<0.180	50.0	49.2	98	48.3	97	63-126	2	20	ug/L	08.17.15 19:13	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	53.4	107	52.2	104	53-138	2	20	ug/L	08.17.15 19:13	
1,1,2-Trichloroethane	<0.250	50.0	50.0	100	49.8	100	72-115	0	20	ug/L	08.17.15 19:13	
1,1-Dichloroethane	<0.110	50.0	55.0	110	53.6	107	69-132	3	20	ug/L	08.17.15 19:13	
1,1-Dichloroethene	<0.200	50.0	52.8	106	52.1	104	62-131	1	20	ug/L	08.17.15 19:13	
1,2,4-Trichlorobenzene	<0.170	50.0	49.0	98	47.9	96	34-131	2	20	ug/L	08.17.15 19:13	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	41.9	84	41.4	83	53-121	1	20	ug/L	08.17.15 19:13	
1,2-Dibromoethane (EDB)	<0.180	50.0	50.0	100	50.2	100	66-125	0	20	ug/L	08.17.15 19:13	
1,2-Dichlorobenzene	<0.140	50.0	46.5	93	46.1	92	58-124	1	20	ug/L	08.17.15 19:13	
1,2-Dichloroethane	<0.180	50.0	52.0	104	52.4	105	55-141	1	20	ug/L	08.17.15 19:13	
1,2-Dichloropropane	<0.150	50.0	47.2	94	47.6	95	78-121	1	20	ug/L	08.17.15 19:13	
1,3-Dichlorobenzene	<0.170	50.0	46.6	93	45.4	91	62-120	3	20	ug/L	08.17.15 19:13	
1,4-Dichlorobenzene	<0.170	50.0	44.9	90	44.3	89	64-114	1	20	ug/L	08.17.15 19:13	
1,4-Dioxane	<8.84	1000	980	98	974	97	11-185	1	20	ug/L	08.17.15 19:13	
2-Butanone (MEK)	<0.280	100	113	113	111	111	50-152	2	20	ug/L	08.17.15 19:13	
2-Hexanone	<0.320	100	118	118	118	118	55-136	0	20	ug/L	08.17.15 19:13	
4-Methyl-2-pentanone (MIBK)	<0.260	100	111	111	109	109	65-132	2	20	ug/L	08.17.15 19:13	
Acetone	<0.350	100	123	123	120	120	40-140	2	20	ug/L	08.17.15 19:13	
Benzene	<0.160	50.0	46.1	92	44.7	89	77-118	3	20	ug/L	08.17.15 19:13	
Bromodichloromethane	<0.250	50.0	44.8	90	44.5	89	68-125	1	20	ug/L	08.17.15 19:13	
Bromoform	<0.170	50.0	40.3	81	40.9	82	53-112	1	20	ug/L	08.17.15 19:13	
Bromomethane	<0.250	50.0	42.5	85	42.7	85	63-137	0	20	ug/L	08.17.15 19:13	
Carbon disulfide	<0.260	50.0	44.7	89	45.8	92	26-147	2	20	ug/L	08.17.15 19:13	
Carbon tetrachloride	<0.330	50.0	45.1	90	45.9	92	56-138	2	20	ug/L	08.17.15 19:13	
Chlorobenzene	<0.150	50.0	47.3	95	46.5	93	71-114	2	20	ug/L	08.17.15 19:13	
Chloroethane	<0.260	50.0	42.5	85	41.0	82	60-137	4	20	ug/L	08.17.15 19:13	
Chloroform	<0.160	50.0	50.2	100	49.9	100	65-131	1	20	ug/L	08.17.15 19:13	
Chloromethane	<0.250	50.0	37.8	76	35.8	72	48-151	5	20	ug/L	08.17.15 19:13	
cis-1,2-Dichloroethene	<0.210	50.0	47.1	94	46.6	93	22-185	1	20	ug/L	08.17.15 19:13	
cis-1,3-Dichloropropene	<0.100	50.0	43.5	87	44.5	89	67-113	2	20	ug/L	08.17.15 19:13	
Cyclohexane	<0.150	50.0	48.4	97	47.3	95	61-141	2	20	ug/L	08.17.15 19:13	
Dibromochloromethane	<0.150	50.0	45.0	90	46.1	92	53-125	2	20	ug/L	08.17.15 19:13	
Dichlorodifluoromethane	<0.220	50.0	26.6	53	25.2	50	38-145	5	20	ug/L	08.17.15 19:13	
Ethylbenzene	<0.190	50.0	47.0	94	46.7	93	66-127	1	20	ug/L	08.17.15 19:13	
Isopropylbenzene	<0.150	50.0	42.9	86	42.6	85	58-127	1	20	ug/L	08.17.15 19:13	
m,p-Xylenes	<0.510	100	94.5	95	94.0	94	65-126	1	20	ug/L	08.17.15 19:13	
Methyl acetate	<0.260	50.0	58.2	116	59.0	118	65-135	1	20	ug/L	08.17.15 19:13	
Methyl tert-butyl ether	<0.180	100	105	105	103	103	58-141	2	20	ug/L	08.17.15 19:13	
Methylcyclohexane	<0.110	50.0	46.6	93	45.7	91	64-128	2	20	ug/L	08.17.15 19:13	
Methylene chloride	<0.420	50.0	56.1	112	54.5	109	63-150	3	20	ug/L	08.17.15 19:13	
o-Xylene	<0.200	50.0	46.7	93	46.0	92	64-123	2	20	ug/L	08.17.15 19:13	
Styrene	<0.180	50.0	48.4	97	47.5	95	50-133	2	20	ug/L	08.17.15 19:13	
Tetrachloroethene	<0.160	50.0	41.3	83	41.5	83	52-125	0	20	ug/L	08.17.15 19:13	
Toluene	<0.140	50.0	45.9	92	45.3	91	65-123	1	20	ug/L	08.17.15 19:13	
trans-1,2-Dichloroethene	<0.210	50.0	56.8	114	56.4	113	65-135	1	20	ug/L	08.17.15 19:13	
trans-1,3-Dichloropropene	<0.110	50.0	39.5	79	40.0	80	50-125	1	20	ug/L	08.17.15 19:13	
Trichloroethene	<0.190	50.0	45.4	91	45.1	90	65-125	1	20	ug/L	08.17.15 19:13	
Trichlorofluoromethane	<0.530	50.0	49.7	99	48.9	98	51-145	2	20	ug/L	08.17.15 19:13	
Vinyl chloride	<0.190	50.0	41.6	83	41.1	82	52-140	1	20	ug/L	08.17.15 19:13	

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 974691 Matrix: Ground Water Date Prep: 08.17.15

Parent Sample Id: 513418-010 MS Sample Id: 513418-010 S MSD Sample Id: 513418-010 SD

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	115		113		53-159	%	08.17.15 19:13
4-Bromofluorobenzene	97		97		30-186	%	08.17.15 19:13
Toluene-D8	102		104		70-130	%	08.17.15 19:13

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 974870 Matrix: Ground Water Date Prep: 08.18.15

Parent Sample Id: 513418-013 MS Sample Id: 513418-013 S MSD Sample Id: 513418-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	56.9	114	52.5	105	59-138	8	20	ug/L	08.18.15 21:48	
1,1,2,2-Tetrachloroethane	<0.180	50.0	48.3	97	49.3	99	63-126	2	20	ug/L	08.18.15 21:48	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	61.0	122	58.4	117	53-138	4	20	ug/L	08.18.15 21:48	
1,1,2-Trichloroethane	<0.250	50.0	49.7	99	49.4	99	72-115	1	20	ug/L	08.18.15 21:48	
1,1-Dichloroethane	<0.110	50.0	63.7	127	60.4	121	69-132	5	20	ug/L	08.18.15 21:48	
1,1-Dichloroethene	<0.200	50.0	58.2	116	57.3	115	62-131	2	20	ug/L	08.18.15 21:48	
1,2,4-Trichlorobenzene	<0.170	50.0	48.7	97	48.0	96	34-131	1	20	ug/L	08.18.15 21:48	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	43.9	88	43.8	88	53-121	0	20	ug/L	08.18.15 21:48	
1,2-Dibromoethane (EDB)	<0.180	50.0	51.4	103	50.2	100	66-125	2	20	ug/L	08.18.15 21:48	
1,2-Dichlorobenzene	<0.140	50.0	48.0	96	46.9	94	58-124	2	20	ug/L	08.18.15 21:48	
1,2-Dichloroethane	<0.180	50.0	62.3	125	58.7	117	55-141	6	20	ug/L	08.18.15 21:48	
1,2-Dichloropropane	<0.150	50.0	49.8	100	48.5	97	78-121	3	20	ug/L	08.18.15 21:48	
1,3-Dichlorobenzene	<0.170	50.0	47.5	95	46.4	93	62-120	2	20	ug/L	08.18.15 21:48	
1,4-Dichlorobenzene	<0.170	50.0	46.3	93	45.0	90	64-114	3	20	ug/L	08.18.15 21:48	
1,4-Dioxane	<8.84	1000	996	100	978	98	11-185	2	20	ug/L	08.18.15 21:48	
2-Butanone (MEK)	<0.280	100	122	122	123	123	50-152	1	20	ug/L	08.18.15 21:48	
2-Hexanone	<0.320	100	127	127	124	124	55-136	2	20	ug/L	08.18.15 21:48	
4-Methyl-2-pentanone (MIBK)	<0.260	100	122	122	120	120	65-132	2	20	ug/L	08.18.15 21:48	
Acetone	<0.350	100	143	143	136	136	40-140	5	20	ug/L	08.18.15 21:48	X
Benzene	<0.160	50.0	47.0	94	44.1	88	77-118	6	20	ug/L	08.18.15 21:48	
Bromodichloromethane	<0.250	50.0	50.7	101	47.4	95	68-125	7	20	ug/L	08.18.15 21:48	
Bromoform	<0.170	50.0	43.4	87	42.4	85	53-112	2	20	ug/L	08.18.15 21:48	
Bromomethane	<0.250	50.0	35.8	72	41.1	82	63-137	14	20	ug/L	08.18.15 21:48	
Carbon disulfide	<0.260	50.0	57.9	116	55.6	111	26-147	4	20	ug/L	08.18.15 21:48	
Carbon tetrachloride	<0.330	50.0	54.8	110	49.6	99	56-138	10	20	ug/L	08.18.15 21:48	
Chlorobenzene	<0.150	50.0	48.3	97	46.3	93	71-114	4	20	ug/L	08.18.15 21:48	
Chloroethane	<0.260	50.0	49.3	99	54.4	109	60-137	10	20	ug/L	08.18.15 21:48	
Chloroform	<0.160	50.0	56.0	112	51.8	104	65-131	8	20	ug/L	08.18.15 21:48	
Chloromethane	<0.250	50.0	50.4	101	52.1	104	48-151	3	20	ug/L	08.18.15 21:48	
cis-1,2-Dichloroethene	1.23	50.0	48.2	94	47.0	92	22-185	3	20	ug/L	08.18.15 21:48	
cis-1,3-Dichloropropene	<0.100	50.0	44.8	90	43.7	87	67-113	2	20	ug/L	08.18.15 21:48	
Cyclohexane	<0.150	50.0	52.2	104	50.3	101	61-141	4	20	ug/L	08.18.15 21:48	
Dibromochloromethane	<0.150	50.0	49.3	99	47.4	95	53-125	4	20	ug/L	08.18.15 21:48	
Dichlorodifluoromethane	<0.220	50.0	56.6	113	54.7	109	38-145	3	20	ug/L	08.18.15 21:48	
Ethylbenzene	<0.190	50.0	49.6	99	46.7	93	66-127	6	20	ug/L	08.18.15 21:48	
Isopropylbenzene	<0.150	50.0	44.3	89	43.3	87	58-127	2	20	ug/L	08.18.15 21:48	
m,p-Xylenes	<0.510	100	98.3	98	93.3	93	65-126	5	20	ug/L	08.18.15 21:48	
Methyl acetate	<0.260	50.0	68.2	136	67.2	134	65-135	1	20	ug/L	08.18.15 21:48	X
Methyl tert-butyl ether	<0.180	100	113	113	112	112	58-141	1	20	ug/L	08.18.15 21:48	
Methylcyclohexane	<0.110	50.0	46.7	93	44.7	89	64-128	4	20	ug/L	08.18.15 21:48	
Methylene chloride	<0.420	50.0	61.4	123	59.0	118	63-150	4	20	ug/L	08.18.15 21:48	
o-Xylene	<0.200	50.0	47.6	95	46.3	93	64-123	3	20	ug/L	08.18.15 21:48	
Styrene	<0.180	50.0	48.9	98	47.2	94	50-133	4	20	ug/L	08.18.15 21:48	
Tetrachloroethene	4.44	50.0	47.4	86	44.1	79	52-125	7	20	ug/L	08.18.15 21:48	
Toluene	<0.140	50.0	46.5	93	45.0	90	65-123	3	20	ug/L	08.18.15 21:48	
trans-1,2-Dichloroethene	<0.210	50.0	63.5	127	60.2	120	65-135	5	20	ug/L	08.18.15 21:48	
trans-1,3-Dichloropropene	<0.110	50.0	42.5	85	40.9	82	50-125	4	20	ug/L	08.18.15 21:48	
Trichloroethene	3.00	50.0	51.1	96	48.6	91	65-125	5	20	ug/L	08.18.15 21:48	
Trichlorofluoromethane	<0.530	50.0	68.2	136	64.4	129	51-145	6	20	ug/L	08.18.15 21:48	
Vinyl chloride	<0.190	50.0	54.7	109	52.7	105	52-140	4	20	ug/L	08.18.15 21:48	

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 974870 Matrix: Ground Water Date Prep: 08.18.15

Parent Sample Id: 513418-013 MS Sample Id: 513418-013 S MSD Sample Id: 513418-013 SD

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	129		126		53-159	%	08.18.15 21:48
4-Bromofluorobenzene	99		100		30-186	%	08.18.15 21:48
Toluene-D8	102		101		70-130	%	08.18.15 21:48

XENCO LABORATORIES

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL301313
Page _____ of _____
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: AMEC Foster Wheeler	Receiver's Initials/Temp: _____ / 1.3° C
Address: 2677 Buford Hwy NE. Atlanta, GA 30324	Custody Seal(s):___ Y N Lab Work Order # 513418
Results Sent to: Chuck Ferry Steve Foley Dustin H	P.O.# (if required):
Email address:	Field Comments / Lab Precautions:
Contact Phone #: 404 8170154 Cell#:	
Project Name (Site): RHcam	
Project Number (ID): 6121090220	
Regulatory Program:	
Sampler(s): (signature)	Sampler(s): (printed) Paul Ford

| Line No. | Sample ID # | Sample Depth (Ft) | Collection Date / Time | Matrix (See below) | Composite | Grab | No. of Containers | VOC's | NA | | |

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL301314
Page _____ of _____

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: AMEC Foster Wheeler
Address: 2677 Buford Hwy NE. Atlanta, GA 30324
Results Sent to: Chuck Ferry Steve Foley Dustin H.
Email address:
Contact Phone #: 404 817 0154 Cell#:
Project Name (Site): RH tcm
Project Number (ID): 612109 0220
Regulatory Program:

Receiver's Initials/Temp: _____ / 1.3° C
Custody Seal(s):___ Y N Lab Work Order # 513418
P.O.# (if required):
Field Comments / Lab Precautions:

Sampler(s): (signature)
Sampler(s): (printed) PAUL GAZZO

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	Analysis Requested: VOCs	Analysis Requested: TOC
1	GW5		1120 8/12/15	GW		X	2	✓	
2	GW7		1335 8/13/15	GW		X	2	✓	
3	GW10		1030 8/12/15	GW		X	2	✓	
4	HA1	2'	1520 8/13/15	S		X	1		✓
5	HA2	2'	1430 8/13/15	S		X	1		✓
6	HA3	2'	1215 8/13/15	S		X	1		✓
7									
8									
9									
10									

1) Relinquished By: 8/14/15 Date / Time 1115
2) Received By: 8/14/15 Date / Time 1115
Delivered by: (Circle One)
Fed Ex / UPS / Courier / Lab Pickup / Hand / Other

3) Relinquished By: Date / Time
4) Received By: Date / Time

5) Relinquished By: Date / Time
6) Received By: Date / Time

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; ___5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: AMEC Foster Wheeler

Date/ Time Received: 08/14/2015 11:15:00 AM

Work Order #: 513418

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6 *Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Sample instructions complete on Chain of Custody?	**Yes**	
#9 Any missing/extra samples?	**No**	
#10 Chain of Custody signed when relinquished/ received?	**Yes**	
#11 Chain of Custody agrees with sample label(s)?	**Yes**	
#12 Container label(s) legible and intact?	**Yes**	
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#14 Samples in proper container/ bottle?	**Yes**	
#15 Samples properly preserved?	**Yes**	
#16 Sample container(s) intact?	**Yes**	
#17 Sufficient sample amount for indicated test(s)?	**Yes**	
#18 All samples received within hold time?	**Yes**	
#19 Subcontract of sample(s)?	**No**	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**Yes**	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	DL

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#: I016662-9

Checklist completed by: Dario Lagunas Date: 08/14/2015

Checklist reviewed by: Jeff Wilmoth Date: 08/14/2015

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 21, 2015

Eben Buchanan
Xenco Laboratories
6017 Financial Dr.
Norcross GA 30071

TEL: (770) 449-8800
FAX: (770) 449-5477

RE: Xenco

Dear Eben Buchanan: Order No: 1508C55

Analytical Environmental Services, Inc. received 3 samples on 8/14/2015 4:15:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Dorothy deBruyn
Project Manager

1D082155

Inter-Office Shipment #: 1029758

Date Printed: Fri Aug-14-15 02:18 pm Page 1 of 1

Date/Time: 08/14/15 13:37
Lab# From: Atlanta
Lab# To: Houston

Created by: Dario Lagunas
Delivery Priority:
Air Bill No.:

Please send report to: Jeff Wilmoth
Address: 6017 Financial Dr., Norcross, GA 30071
Phone: Ph:(770) 449-8800 Fax:(770) 449-5477
E-Mail: Jeff.Wilmoth@xenco.cc

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
513418-001	W	EW-1	08/13/15 15:35	E300	Inorganic Anions by EPA 300	08/19/15	09/10/15	JWI	00620 CL NO3 SO4 NO2	
513418-008	W	W-5	08/13/15 14:25	E300	Inorganic Anions by EPA 300	08/19/15	09/10/15	JWI	00620 CL NO3 SO4 ,NO2	
513418-009	W	GW-1	08/13/15 12:00	E300	Inorganic Anions by EPA 300	08/19/15	09/10/15	JWI	00620 CL NO3 SO4 ,NO2	

Inter Office Shipment or Sample Comments: NO2, NO3, Cl, SO4.

Relinquished By: Dario Lagunas

Date Relinquished: 08/14/2015

Received By:

Date Received: 8/14/15 4:15

Cooler Temperature: _____

Analytical Environmental Services, Inc **Date:** 21-Aug-15

Client:	Xenco Laboratories	**Client Sample ID:**	513418-001
Project Name:	Xenco	**Collection Date:**	8/13/2015 3:35:00 PM
Lab ID:	1508C55-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Inorganic Anions by IC E300.0								
Chloride	29.6	1.00		mg/L	R298204	1	08/14/2015 23:28	JW
Nitrogen, Nitrate (As N)	BRL	0.250		mg/L	R298204	1	08/14/2015 23:28	JW
Nitrogen, Nitrite (As N)	BRL	0.250		mg/L	R298204	1	08/14/2015 23:28	JW
Sulfate	35.4	1.00		mg/L	R298204	1	08/14/2015 23:28	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Aug-15

Client:	Xenco Laboratories	**Client Sample ID:**	513418-008
Project Name:	Xenco	**Collection Date:**	8/13/2015 2:25:00 PM
Lab ID:	1508C55-002	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Inorganic Anions by IC E300.0								
Chloride	17.2	1.00		mg/L	R298218	1	08/15/2015 03:09	JW
Nitrogen, Nitrate (As N)	BRL	0.250		mg/L	R298218	1	08/15/2015 03:09	JW
Nitrogen, Nitrite (As N)	BRL	0.250		mg/L	R298218	1	08/15/2015 03:09	JW
Sulfate	73.8	1.00		mg/L	R298218	1	08/15/2015 03:09	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-Aug-15

Client:	Xenco Laboratories	**Client Sample ID:**	513418-009
Project Name:	Xenco	**Collection Date:**	8/13/2015 12:00:00 PM
Lab ID:	1508C55-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Inorganic Anions by IC E300.0								
Chloride	13.0	1.00		mg/L	R298204	1	08/14/2015 23:43	JW
Nitrogen, Nitrate (As N)	4.78	0.250		mg/L	R298204	1	08/14/2015 23:43	JW
Nitrogen, Nitrite (As N)	BRL	0.250		mg/L	R298204	1	08/14/2015 23:43	JW
Sulfate	13.5	1.00		mg/L	R298204	1	08/14/2015 23:43	JW

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client XENCO LABORATORIES Work Order Number 1508155

Checklist completed by Miriam Ramirez 8/14/2015
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.4°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by MP

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Analytical Environmental Services, Inc

Client: Xenco Laboratories
Project Name: Xenco
Lab Order: 1508C55

Dates

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Pre
1508C55-001A	513418-001	8/13/2015 3:35:00PM	Aqueous	Inorganic Anions by IC		
1508C55-002A	513418-008	8/13/2015 2:25:00PM	Aqueous	Inorganic Anions by IC		
1508C55-003A	513418-009	8/13/2015 12:00:00PM	Aqueous	Inorganic Anions by IC		

Client: Xenco Laboratories
Project Name: Xenco
Workorder: 1508C55

ANALYTICAL

Batc

Sample ID: **MB-R298204**	Client ID:			Units: **mg/L**	Prep Date:
SampleType: **MBLK**	TestCode: **Inorganic Anions by IC** **E300.0**			BatchID: **R298204**	Analysis Date: **0**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
Chloride	BRL	1.00						
Nitrogen, Nitrate (As N)	BRL	0.250						
Nitrogen, Nitrite (As N)	BRL	0.250						
Sulfate	BRL	1.00						

Sample ID: **LCS-R298204**	Client ID:			Units: **mg/L**	Prep Date:
SampleType: **LCS**	TestCode: **Inorganic Anions by IC** **E300.0**			BatchID: **R298204**	Analysis Date: **0**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
Chloride	9.753	1.00	10.00		97.5	90	110	
Nitrogen, Nitrate (As N)	5.321	0.250	5.000		106	90	110	
Nitrogen, Nitrite (As N)	5.222	0.250	5.000		104	90	110	
Sulfate	24.70	1.00	25.00		98.8	90	110	

Sample ID: **1508C55-001AMS**	Client ID: **513418-001**			Units: **mg/L**	Prep Date:
SampleType: **MS**	TestCode: **Inorganic Anions by IC** **E300.0**			BatchID: **R298204**	Analysis Date: **0**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
Chloride	37.50	1.00	10.00	29.61	78.8	90	110	
Nitrogen, Nitrate (As N)	5.012	0.250	5.000		100	90	110	
Nitrogen, Nitrite (As N)	5.345	0.250	5.000		107	90	110	
Sulfate	56.45	1.00	25.00	35.39	84.3	90	110	

Sample ID: **1508C55-003AMS**	Client ID: **513418-009**			Units: **mg/L**	Prep Date:
SampleType: **MS**	TestCode: **Inorganic Anions by IC** **E300.0**			BatchID: **R298204**	Analysis Date: **0**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
Chloride	22.25	1.00	10.00	12.98	92.7	90	110	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in th
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for pre
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits d
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Xenco Laboratories
Project Name: Xenco
Workorder: 1508C55

ANALYTICAL

Batc

Sample ID: **1508C55-003AMS** Client ID: **513418-009** Units: **mg/L** Prep Date:
SampleType: **MS** TestCode: **Inorganic Anions by IC E300.0** BatchID: **R298204** Analysis Date: **08**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va
Nitrogen, Nitrate (As N)	9.881	0.250	5.000	4.781	102	90	110	
Nitrogen, Nitrite (As N)	5.309	0.250	5.000		106	90	110	
Sulfate	37.85	1.00	25.00	13.49	97.4	90	110	

Sample ID: **1508C55-001AMSD** Client ID: **513418-001** Units: **mg/L** Prep Date:
SampleType: **MSD** TestCode: **Inorganic Anions by IC E300.0** BatchID: **R298204** Analysis Date: **08**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va
Chloride	38.39	1.00	10.00	29.61	87.8	90	110	37.50
Nitrogen, Nitrate (As N)	5.125	0.250	5.000		103	90	110	5.012
Nitrogen, Nitrite (As N)	5.567	0.250	5.000		111	90	110	5.345
Sulfate	57.13	1.00	25.00	35.39	86.9	90	110	56.45

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in th
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for pre
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits d
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Xenco Laboratories
Project Name: Xenco
Workorder: 1508C55

ANALYTICAL

Batc

Sample ID: **MB-R298218**	Client ID:			Units: **mg/L**	Prep Date:
SampleType: **MBLK**	TestCode: **Inorganic Anions by IC**	**E300.0**		BatchID: **R298218**	Analysis Date: **08**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va
Chloride	BRL	1.00						
Nitrogen, Nitrate (As N)	BRL	0.250						
Nitrogen, Nitrite (As N)	BRL	0.250						
Sulfate	BRL	1.00						

Sample ID: **LCS-R298218**	Client ID:			Units: **mg/L**	Prep Date:
SampleType: **LCS**	TestCode: **Inorganic Anions by IC**	**E300.0**		BatchID: **R298218**	Analysis Date: **08**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va
Chloride	9.839	1.00	10.00		98.4	90	110	
Nitrogen, Nitrate (As N)	5.478	0.250	5.000		110	90	110	
Nitrogen, Nitrite (As N)	5.202	0.250	5.000		104	90	110	
Sulfate	26.31	1.00	25.00		105	90	110	

Sample ID: **1508C55-002AMS**	Client ID: **513418-008**			Units: **mg/L**	Prep Date:
SampleType: **MS**	TestCode: **Inorganic Anions by IC**	**E300.0**		BatchID: **R298218**	Analysis Date: **08**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va
Chloride	28.30	1.00	10.00	17.22	111	90	110	
Nitrogen, Nitrate (As N)	5.520	0.250	5.000	0.2196	106	90	110	
Nitrogen, Nitrite (As N)	5.953	0.250	5.000		119	90	110	

Sample ID: **1508C55-002AMS**	Client ID: **513418-008**			Units: **mg/L**	Prep Date:
SampleType: **MS**	TestCode: **Inorganic Anions by IC**	**E300.0**		BatchID: **R298218**	Analysis Date: **08**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va
Sulfate	312.9	10.0	250.0	71.54	96.5	90	110	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in th
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for pre
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits d
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Xenco Laboratories
Project Name: Xenco
Workorder: 1508C55

ANALYTICAL

Batc

Sample ID: **1508C55-002AMSD** Client ID: **513418-008** Units: **mg/L** Prep Date:
SampleType: **MSD** TestCode: **Inorganic Anions by IC E300.0** BatchID: **R298218** Analysis Date: **08**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va
Chloride	27.38	1.00	10.00	17.22	102	90	110	28.30
Nitrogen, Nitrate (As N)	5.509	0.250	5.000	0.2196	106	90	110	5.520
Nitrogen, Nitrite (As N)	5.894	0.250	5.000		118	90	110	5.953

Sample ID: **1508C55-002AMSD** Client ID: **513418-008** Units: **mg/L** Prep Date:
SampleType: **MSD** TestCode: **Inorganic Anions by IC E300.0** BatchID: **R298218** Analysis Date: **08**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va
Sulfate	314.3	10.0	250.0	71.54	97.1	90	110	312.9

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in th
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for pre
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits d
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Report 526617

for

AMEC Foster Wheeler

Project Manager: Steve Foley

139 Brampton Road

6121-09-0220

16-MAR-16

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534-15-1)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

16-MAR-16

Project Manager: **Steve Foley**
AMEC Foster Wheeler
2677 Buford Hwy NE

Atlanta, GA 30324

Reference: XENCO Report No(s): **526617**
139 Brampton Road
Project Address: Atlanta, GA

Steve Foley:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 526617. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 526617 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

J. Derek Rounsley
Project Manager

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Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GP-5-20N 2-3	S	03-08-16 14:58	2 - 3 ft	526617-001
GP-5-20N 5-6	S	03-08-16 15:02	5 - 6 ft	526617-002
GP-5-40N 2-3	S	03-08-16 13:50	2 - 3 ft	526617-003
GP-5-40N 5-6	S	03-08-16 13:55	5 - 6 ft	526617-004
GP-5-20W 2-3	S	03-08-16 14:38	2 - 3 ft	526617-005
GP-5-20W 5-6	S	03-08-16 14:42	5 - 6 ft	526617-006
GP-5-40W 2-3	S	03-08-16 14:27	2 - 3 ft	526617-007
GP-5-40W 5-6	S	03-08-16 14:31	5 - 6 ft	526617-008
GP-5-20E 2-3	S	03-08-16 15:10	2 - 3 ft	526617-009
GP-5-20E 5-6	S	03-08-16 15:15	5 - 6 ft	526617-010
GP-5-40E 2-3	S	03-08-16 14:13	2 - 3 ft	526617-011
GP-5-40E 5-6	S	03-08-16 14:18	5 - 6 ft	526617-012
GP-5-20S 2-3	S	03-08-16 13:30	2 - 3 ft	526617-013
GP-5-20S 5-6	S	03-08-16 13:35	5 - 6 ft	526617-014
EW-7	W	03-09-16 09:45		526617-015
Trip Blank	W	03-08-16 00:00		526617-016

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-990123 VOCs by SW-846 8260B

Lab Sample ID 526617-005 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). 1,2-Dichlorobenzene, o-Xylene recovered below QC limits in the Matrix Spike. 1,4-Dichlorobenzene, Tetrachloroethene, cis-1,2-Dichloroethene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 526617-001, -003, -005, -007, -009, -011, -013.

The Laboratory Control Sample for cis-1,2-Dichloroethene, 1,4-Dichlorobenzene, o-Xylene, 1,2-Dichlorobenzene, Tetrachloroethene is within laboratory Control Limits, therefore the data was accepted.

Hits Summary 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **GP-5-20N 2-3** Matrix : Soil % Moisture : 8.75
Lab Sample Id : 526617-001 Date Collected : 03.08.16 14.58 Basis : Dry Weight
Sample Depth : 2 - 3 ft Date Received : 03.10.16 12.26

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 990123 Date Prep: 03.11.16 10.00

Draft

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
m,p-Xylenes	179601-23-1	0.0309	mg/kg	03.11.16 13.14		1
o-Xylene	95-47-6	0.0206	mg/kg	03.11.16 13.14		1
trans-1,2-Dichloroethene	156-60-5	0.0804	mg/kg	03.11.16 13.14		1

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 990123 Date Prep: 03.14.16 09.11

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
cis-1,2-Dichloroethene	156-59-2	1.65	mg/kg	03.14.16 18.30	D	50
Tetrachloroethene	127-18-4	2.10	mg/kg	03.14.16 18.30	D	50
Trichloroethene	79-01-6	2.16	mg/kg	03.14.16 18.30	D	50

Sample Id : **GP-5-40N 2-3** Matrix : Soil % Moisture : 9.06
Lab Sample Id : 526617-003 Date Collected : 03.08.16 13.50 Basis : Dry Weight
Sample Depth : 2 - 3 ft Date Received : 03.10.16 12.26

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 990123 Date Prep: 03.11.16 10.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.0467	mg/kg	03.11.16 14.06		1
cis-1,2-Dichloroethene	156-59-2	0.0292	mg/kg	03.11.16 14.06		1
Tetrachloroethene	127-18-4	0.0140	mg/kg	03.11.16 14.06		1
trans-1,2-Dichloroethene	156-60-5	0.00505	mg/kg	03.11.16 14.06		1
Trichloroethene	79-01-6	0.00971	mg/kg	03.11.16 14.06		1

Hits Summary 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **GP-5-20W 2-3** | Matrix : Soil | % Moisture : 17.32
Lab Sample Id : 526617-005 | Date Collected : 03.08.16 14.38 | Basis : Dry Weight
Sample Depth : 2 - 3 ft | Date Received : 03.10.16 12.26

Analytical Method : VOCs by SW-846 8260B | Prep Method: SW5035
Seq Number 990123 | Date Prep: 03.11.16 10.00

Draft

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
cis-1,2-Dichloroethene	156-59-2	0.0503	mg/kg	03.11.16 14.57		1
Tetrachloroethene	127-18-4	0.0338	mg/kg	03.11.16 14.57		1
trans-1,2-Dichloroethene	156-60-5	0.00745	mg/kg	03.11.16 14.57		1
Trichloroethene	79-01-6	0.0162	mg/kg	03.11.16 14.57		1

Sample Id : **GP-5-40W 2-3** | Matrix : Soil | % Moisture : 17.38
Lab Sample Id : 526617-007 | Date Collected : 03.08.16 14.27 | Basis : Dry Weight
Sample Depth : 2 - 3 ft | Date Received : 03.10.16 12.26

Analytical Method : VOCs by SW-846 8260B | Prep Method: SW5035
Seq Number 990123 | Date Prep: 03.11.16 10.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	0.00597	mg/kg	03.11.16 15.49		1
Tetrachloroethene	127-18-4	0.0271	mg/kg	03.11.16 15.49		1

Sample Id : **GP-5-20E 2-3** | Matrix : Soil | % Moisture : 11.15
Lab Sample Id : 526617-009 | Date Collected : 03.08.16 15.10 | Basis : Dry Weight
Sample Depth : 2 - 3 ft | Date Received : 03.10.16 12.26

Analytical Method : VOCs by SW-846 8260B | Prep Method: SW5035
Seq Number 990123 | Date Prep: 03.11.16 10.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
trans-1,2-Dichloroethene	156-60-5	0.170	mg/kg	03.11.16 16.40		1

Analytical Method : VOCs by SW-846 8260B | Prep Method: SW5035
Seq Number 990123 | Date Prep: 03.14.16 09.11

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
cis-1,2-Dichloroethene	156-59-2	0.553	mg/kg	03.14.16 18.55	D	50
Tetrachloroethene	127-18-4	0.656	mg/kg	03.14.16 18.55	D	50
Trichloroethene	79-01-6	0.930	mg/kg	03.14.16 18.55	D	50

Hits Summary 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **GP-5-40E 2-3**
Lab Sample Id : 526617-011
Sample Depth : 2 - 3 ft

Matrix : Soil
Date Collected : 03.08.16 14.13
Date Received : 03.10.16 12.26

% Moisture : 11.85
Basis : Dry Weight

Analytical Method : VOCs by SW-846 8260B
Seq Number 990123

Prep Method: SW5035
Date Prep: 03.11.16 10.00

Draft

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.0509	mg/kg	03.11.16 17.32		1
Chloroform	67-66-3	0.0119	mg/kg	03.11.16 17.32		1

Analytical Method : VOCs by SW-846 8260B
Seq Number 990123

Prep Method: SW5035
Date Prep: 03.13.16 12.32

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
cis-1,2-Dichloroethene	156-59-2	3.54	mg/kg	03.13.16 20.22	D	50
Tetrachloroethene	127-18-4	2.73	mg/kg	03.13.16 20.22	D	50
trans-1,2-Dichloroethene	156-60-5	0.459	mg/kg	03.13.16 20.22	D	50
Trichloroethene	79-01-6	2.54	mg/kg	03.13.16 20.22	D	50

Sample Id : **GP-5-20S 2-3**
Lab Sample Id : 526617-013
Sample Depth : 2 - 3 ft

Matrix : Soil
Date Collected : 03.08.16 13.30
Date Received : 03.10.16 12.26

% Moisture : 16.59
Basis : Dry Weight

Analytical Method : VOCs by SW-846 8260B
Seq Number 990123

Prep Method: SW5035
Date Prep: 03.11.16 10.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Tetrachloroethene	127-18-4	0.00468	mg/kg	03.11.16 18.23		1
trans-1,2-Dichloroethene	156-60-5	0.101	mg/kg	03.11.16 18.23		1
Trichloroethene	79-01-6	0.0112	mg/kg	03.11.16 18.23		1
Vinyl chloride	75-01-4	0.0122	mg/kg	03.11.16 18.23		1

Analytical Method : VOCs by SW-846 8260B
Seq Number 990123

Prep Method: SW5035
Date Prep: 03.13.16 12.32

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
cis-1,2-Dichloroethene	156-59-2	0.487	mg/kg	03.13.16 20.48	D	50

Hits Summary 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **EW-7**
Lab Sample Id : 526617-015

Matrix : Water
Date Collected : 03.09.16 09.45
Date Received : 03.10.16 12.26

% Moisture :

Analytical Method : VOCs by SW-846 8260B
Seq Number 990176

Prep Method: SW5030B
Date Prep: 03.11.16 10.01

Draft

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,1-Dichloroethane	75-34-3	4.26	ug/L	03.11.16 14.41		1
1,1-Dichloroethene	75-35-4	14.7	ug/L	03.11.16 14.41		1
cis-1,2-Dichloroethene	156-59-2	2.80	ug/L	03.11.16 14.41		1
Tetrachloroethene	127-18-4	1.28	ug/L	03.11.16 14.41		1
Trichloroethene	79-01-6	11.3	ug/L	03.11.16 14.41		1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20N 2-3**
Lab Sample Id: 526617-001

Matrix: Soil
Date Collected: 03.08.16 14.58

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 8.75
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
1,4-Dioxane	123-91-1	BRL	0.109	mg/kg	03.11.16 13.14	U	1
2-Butanone (MEK)	78-93-3	BRL	0.0109	mg/kg	03.11.16 13.14	U	1
2-Hexanone	591-78-6	BRL	0.0109	mg/kg	03.11.16 13.14	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.0109	mg/kg	03.11.16 13.14	U	1
Acetone	67-64-1	BRL	0.0545	mg/kg	03.11.16 13.14	U	1
Benzene	71-43-2	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Bromodichloromethane	75-27-4	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Bromoform	75-25-2	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Bromomethane	74-83-9	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Carbon disulfide	75-15-0	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Carbon tetrachloride	56-23-5	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Chlorobenzene	108-90-7	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Chloroethane	75-00-3	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Chloroform	67-66-3	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Chloromethane	74-87-3	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
cis-1,2-Dichloroethene	156-59-2	**1.65**	0.223	mg/kg	03.14.16 18.30	D	50
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Cyclohexane	110-82-7	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Dibromochloromethane	124-48-1	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Ethylbenzene	100-41-4	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Isopropylbenzene	98-82-8	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
m,p-Xylenes	179601-23-1	**0.0309**	0.0109	mg/kg	03.11.16 13.14		1
Methyl acetate	79-20-9	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.0109	mg/kg	03.11.16 13.14	U	1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20N 2-3**
Lab Sample Id: 526617-001

Matrix: Soil
Date Collected: 03.08.16 14.58

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 8.75
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Methylene chloride	75-09-2	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
o-Xylene	95-47-6	**0.0206**	0.00545	mg/kg	03.11.16 13.14		1
Styrene	100-42-5	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Tetrachloroethene	127-18-4	**2.10**	0.223	mg/kg	03.14.16 18.30	D	50
Toluene	108-88-3	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
trans-1,2-Dichloroethene	156-60-5	**0.0804**	0.00545	mg/kg	03.11.16 13.14		1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Trichloroethene	79-01-6	**2.16**	0.223	mg/kg	03.14.16 18.30	D	50
Trichlorofluoromethane	75-69-4	BRL	0.00545	mg/kg	03.11.16 13.14	U	1
Vinyl chloride	75-01-4	BRL	0.00545	mg/kg	03.11.16 13.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	118	%	50-150	03.11.16 13.14	
4-Bromofluorobenzene	460-00-4	123	%	57-158	03.11.16 13.14	
Toluene-D8	2037-26-5	99	%	50-150	03.11.16 13.14	

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40N 2-3**
Lab Sample Id: 526617-003

Matrix: Soil
Date Collected: 03.08.16 13.50

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 9.06
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
1,4-Dioxane	123-91-1	BRL	0.0817	mg/kg	03.11.16 14.06	U	1
2-Butanone (MEK)	78-93-3	BRL	0.00817	mg/kg	03.11.16 14.06	U	1
2-Hexanone	591-78-6	BRL	0.00817	mg/kg	03.11.16 14.06	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.00817	mg/kg	03.11.16 14.06	U	1
Acetone	67-64-1	**0.0467**	0.0408	mg/kg	03.11.16 14.06		1
Benzene	71-43-2	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Bromodichloromethane	75-27-4	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Bromoform	75-25-2	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Bromomethane	74-83-9	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Carbon disulfide	75-15-0	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Carbon tetrachloride	56-23-5	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Chlorobenzene	108-90-7	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Chloroethane	75-00-3	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Chloroform	67-66-3	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Chloromethane	74-87-3	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
cis-1,2-Dichloroethene	156-59-2	**0.0292**	0.00408	mg/kg	03.11.16 14.06		1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Cyclohexane	110-82-7	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Dibromochloromethane	124-48-1	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Ethylbenzene	100-41-4	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Isopropylbenzene	98-82-8	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
m,p-Xylenes	179601-23-1	BRL	0.00817	mg/kg	03.11.16 14.06	U	1
Methyl acetate	79-20-9	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.00817	mg/kg	03.11.16 14.06	U	1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40N 2-3**
Lab Sample Id: 526617-003

Matrix: Soil
Date Collected: 03.08.16 13.50

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 9.06
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Methylene chloride	75-09-2	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
o-Xylene	95-47-6	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Styrene	100-42-5	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Tetrachloroethene	127-18-4	**0.0140**	0.00408	mg/kg	03.11.16 14.06		1
Toluene	108-88-3	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
trans-1,2-Dichloroethene	156-60-5	**0.00505**	0.00408	mg/kg	03.11.16 14.06		1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Trichloroethene	79-01-6	**0.00971**	0.00408	mg/kg	03.11.16 14.06		1
Trichlorofluoromethane	75-69-4	BRL	0.00408	mg/kg	03.11.16 14.06	U	1
Vinyl chloride	75-01-4	BRL	0.00408	mg/kg	03.11.16 14.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	139	%	50-150	03.11.16 14.06	
4-Bromofluorobenzene	460-00-4	111	%	57-158	03.11.16 14.06	
Toluene-D8	2037-26-5	99	%	50-150	03.11.16 14.06	

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20W 2-3**
Lab Sample Id: 526617-005

Matrix: Soil
Date Collected: 03.08.16 14.38

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 17.32
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
1,4-Dioxane	123-91-1	BRL	0.0983	mg/kg	03.11.16 14.57	U	1
2-Butanone (MEK)	78-93-3	BRL	0.00983	mg/kg	03.11.16 14.57	U	1
2-Hexanone	591-78-6	BRL	0.00983	mg/kg	03.11.16 14.57	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.00983	mg/kg	03.11.16 14.57	U	1
Acetone	67-64-1	BRL	0.0492	mg/kg	03.11.16 14.57	U	1
Benzene	71-43-2	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Bromodichloromethane	75-27-4	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Bromoform	75-25-2	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Bromomethane	74-83-9	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Carbon disulfide	75-15-0	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Carbon tetrachloride	56-23-5	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Chlorobenzene	108-90-7	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Chloroethane	75-00-3	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Chloroform	67-66-3	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Chloromethane	74-87-3	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
cis-1,2-Dichloroethene	156-59-2	**0.0503**	0.00492	mg/kg	03.11.16 14.57		1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Cyclohexane	110-82-7	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Dibromochloromethane	124-48-1	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Ethylbenzene	100-41-4	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Isopropylbenzene	98-82-8	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
m,p-Xylenes	179601-23-1	BRL	0.00983	mg/kg	03.11.16 14.57	U	1
Methyl acetate	79-20-9	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.00983	mg/kg	03.11.16 14.57	U	1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20W 2-3**
Lab Sample Id: 526617-005

Matrix: Soil
Date Collected: 03.08.16 14.38

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 17.32
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Methylene chloride	75-09-2	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
o-Xylene	95-47-6	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Styrene	100-42-5	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Tetrachloroethene	127-18-4	**0.0338**	0.00492	mg/kg	03.11.16 14.57		1
Toluene	108-88-3	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
trans-1,2-Dichloroethene	156-60-5	**0.00745**	0.00492	mg/kg	03.11.16 14.57		1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Trichloroethene	79-01-6	**0.0162**	0.00492	mg/kg	03.11.16 14.57		1
Trichlorofluoromethane	75-69-4	BRL	0.00492	mg/kg	03.11.16 14.57	U	1
Vinyl chloride	75-01-4	BRL	0.00492	mg/kg	03.11.16 14.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	138	%	50-150	03.11.16 14.57	
4-Bromofluorobenzene	460-00-4	104	%	57-158	03.11.16 14.57	
Toluene-D8	2037-26-5	97	%	50-150	03.11.16 14.57	

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40W 2-3**
Lab Sample Id: 526617-007

Matrix: Soil
Date Collected: 03.08.16 14.27

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 17.38
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	**0.00597**	0.00480	mg/kg	03.11.16 15.49		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
1,4-Dioxane	123-91-1	BRL	0.0959	mg/kg	03.11.16 15.49	U	1
2-Butanone (MEK)	78-93-3	BRL	0.00959	mg/kg	03.11.16 15.49	U	1
2-Hexanone	591-78-6	BRL	0.00959	mg/kg	03.11.16 15.49	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.00959	mg/kg	03.11.16 15.49	U	1
Acetone	67-64-1	BRL	0.0480	mg/kg	03.11.16 15.49	U	1
Benzene	71-43-2	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Bromodichloromethane	75-27-4	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Bromoform	75-25-2	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Bromomethane	74-83-9	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Carbon disulfide	75-15-0	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Carbon tetrachloride	56-23-5	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Chlorobenzene	108-90-7	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Chloroethane	75-00-3	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Chloroform	67-66-3	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Chloromethane	74-87-3	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Cyclohexane	110-82-7	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Dibromochloromethane	124-48-1	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Ethylbenzene	100-41-4	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Isopropylbenzene	98-82-8	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
m,p-Xylenes	179601-23-1	BRL	0.00959	mg/kg	03.11.16 15.49	U	1
Methyl acetate	79-20-9	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.00959	mg/kg	03.11.16 15.49	U	1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40W 2-3**
Lab Sample Id: 526617-007

Matrix: Soil
Date Collected: 03.08.16 14.27

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 17.38
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Methylene chloride	75-09-2	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
o-Xylene	95-47-6	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Styrene	100-42-5	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Tetrachloroethene	127-18-4	**0.0271**	0.00480	mg/kg	03.11.16 15.49		1
Toluene	108-88-3	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Trichloroethene	79-01-6	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Trichlorofluoromethane	75-69-4	BRL	0.00480	mg/kg	03.11.16 15.49	U	1
Vinyl chloride	75-01-4	BRL	0.00480	mg/kg	03.11.16 15.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	148	%	50-150	03.11.16 15.49	
4-Bromofluorobenzene	460-00-4	111	%	57-158	03.11.16 15.49	
Toluene-D8	2037-26-5	102	%	50-150	03.11.16 15.49	

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20E 2-3**
Lab Sample Id: 526617-009

Matrix: Soil
Date Collected: 03.08.16 15.10

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 11.15
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
1,4-Dioxane	123-91-1	BRL	0.0939	mg/kg	03.11.16 16.40	U	1
2-Butanone (MEK)	78-93-3	BRL	0.00939	mg/kg	03.11.16 16.40	U	1
2-Hexanone	591-78-6	BRL	0.00939	mg/kg	03.11.16 16.40	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.00939	mg/kg	03.11.16 16.40	U	1
Acetone	67-64-1	BRL	0.0470	mg/kg	03.11.16 16.40	U	1
Benzene	71-43-2	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Bromodichloromethane	75-27-4	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Bromoform	75-25-2	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Bromomethane	74-83-9	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Carbon disulfide	75-15-0	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Carbon tetrachloride	56-23-5	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Chlorobenzene	108-90-7	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Chloroethane	75-00-3	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Chloroform	67-66-3	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Chloromethane	74-87-3	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
cis-1,2-Dichloroethene	156-59-2	**0.553**	0.243	mg/kg	03.14.16 18.55	D	50
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Cyclohexane	110-82-7	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Dibromochloromethane	124-48-1	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Ethylbenzene	100-41-4	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Isopropylbenzene	98-82-8	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
m,p-Xylenes	179601-23-1	BRL	0.00939	mg/kg	03.11.16 16.40	U	1
Methyl acetate	79-20-9	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.00939	mg/kg	03.11.16 16.40	U	1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20E 2-3**
Matrix: Soil
Date Received: 03.10.16 12.26
Lab Sample Id: 526617-009
Date Collected: 03.08.16 15.10
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Prep Method: SW5035
Tech: ZHO
% Moisture: 11.15
Analyst: ZHO
Date Prep: 03.11.16 10.00
Basis: Dry Weight
Seq Number: 990123

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Methylene chloride	75-09-2	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
o-Xylene	95-47-6	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Styrene	100-42-5	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Tetrachloroethene	127-18-4	**0.656**	0.243	mg/kg	03.14.16 18.55	D	50
Toluene	108-88-3	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
trans-1,2-Dichloroethene	156-60-5	**0.170**	0.00470	mg/kg	03.11.16 16.40		1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Trichloroethene	79-01-6	**0.930**	0.243	mg/kg	03.14.16 18.55	D	50
Trichlorofluoromethane	75-69-4	BRL	0.00470	mg/kg	03.11.16 16.40	U	1
Vinyl chloride	75-01-4	BRL	0.00470	mg/kg	03.11.16 16.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	107	%	50-150	03.11.16 16.40	
4-Bromofluorobenzene	460-00-4	107	%	57-158	03.11.16 16.40	
Toluene-D8	2037-26-5	96	%	50-150	03.11.16 16.40	

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40E 2-3**
Lab Sample Id: 526617-011

Matrix: Soil
Date Collected: 03.08.16 14.13

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 11.85
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
1,4-Dioxane	123-91-1	BRL	0.0941	mg/kg	03.11.16 17.32	U	1
2-Butanone (MEK)	78-93-3	BRL	0.00941	mg/kg	03.11.16 17.32	U	1
2-Hexanone	591-78-6	BRL	0.00941	mg/kg	03.11.16 17.32	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.00941	mg/kg	03.11.16 17.32	U	1
Acetone	67-64-1	**0.0509**	0.0470	mg/kg	03.11.16 17.32		1
Benzene	71-43-2	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Bromodichloromethane	75-27-4	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Bromoform	75-25-2	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Bromomethane	74-83-9	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Carbon disulfide	75-15-0	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Carbon tetrachloride	56-23-5	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Chlorobenzene	108-90-7	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Chloroethane	75-00-3	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Chloroform	67-66-3	**0.0119**	0.00470	mg/kg	03.11.16 17.32		1
Chloromethane	74-87-3	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
cis-1,2-Dichloroethene	156-59-2	**3.54**	0.250	mg/kg	03.13.16 20.22	D	50
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Cyclohexane	110-82-7	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Dibromochloromethane	124-48-1	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Ethylbenzene	100-41-4	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Isopropylbenzene	98-82-8	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
m,p-Xylenes	179601-23-1	BRL	0.00941	mg/kg	03.11.16 17.32	U	1
Methyl acetate	79-20-9	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.00941	mg/kg	03.11.16 17.32	U	1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40E 2-3**
Lab Sample Id: 526617-011

Matrix: Soil
Date Collected: 03.08.16 14.13

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 11.85
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Methylene chloride	75-09-2	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
o-Xylene	95-47-6	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Styrene	100-42-5	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Tetrachloroethene	127-18-4	**2.73**	0.250	mg/kg	03.13.16 20.22	D	50
Toluene	108-88-3	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
trans-1,2-Dichloroethene	156-60-5	**0.459**	0.250	mg/kg	03.13.16 20.22	D	50
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Trichloroethene	79-01-6	**2.54**	0.250	mg/kg	03.13.16 20.22	D	50
Trichlorofluoromethane	75-69-4	BRL	0.00470	mg/kg	03.11.16 17.32	U	1
Vinyl chloride	75-01-4	BRL	0.00470	mg/kg	03.11.16 17.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	118	%	50-150	03.11.16 17.32	
4-Bromofluorobenzene	460-00-4	114	%	57-158	03.11.16 17.32	
Toluene-D8	2037-26-5	100	%	50-150	03.11.16 17.32	

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20S 2-3**
Lab Sample Id: 526617-013

Matrix: Soil
Date Collected: 03.08.16 13.30

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 16.59
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,1,2-Trichloroethane	79-00-5	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,1-Dichloroethane	75-34-3	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,1-Dichloroethene	75-35-4	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,2-Dichlorobenzene	95-50-1	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,2-Dichloroethane	107-06-2	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,2-Dichloropropane	78-87-5	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,3-Dichlorobenzene	541-73-1	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,4-Dichlorobenzene	106-46-7	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
1,4-Dioxane	123-91-1	BRL	0.0873	mg/kg	03.11.16 18.23	U	1
2-Butanone (MEK)	78-93-3	BRL	0.00873	mg/kg	03.11.16 18.23	U	1
2-Hexanone	591-78-6	BRL	0.00873	mg/kg	03.11.16 18.23	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	0.00873	mg/kg	03.11.16 18.23	U	1
Acetone	67-64-1	BRL	0.0436	mg/kg	03.11.16 18.23	U	1
Benzene	71-43-2	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Bromodichloromethane	75-27-4	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Bromoform	75-25-2	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Bromomethane	74-83-9	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Carbon disulfide	75-15-0	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Carbon tetrachloride	56-23-5	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Chlorobenzene	108-90-7	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Chloroethane	75-00-3	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Chloroform	67-66-3	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Chloromethane	74-87-3	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
cis-1,2-Dichloroethene	156-59-2	**0.487**	0.298	mg/kg	03.13.16 20.48	D	50
cis-1,3-Dichloropropene	10061-01-5	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Cyclohexane	110-82-7	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Dibromochloromethane	124-48-1	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Dichlorodifluoromethane	75-71-8	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Ethylbenzene	100-41-4	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Isopropylbenzene	98-82-8	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
m,p-Xylenes	179601-23-1	BRL	0.00873	mg/kg	03.11.16 18.23	U	1
Methyl acetate	79-20-9	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Methyl tert-butyl ether	1634-04-4	BRL	0.00873	mg/kg	03.11.16 18.23	U	1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20S 2-3**
Lab Sample Id: 526617-013

Matrix: Soil
Date Collected: 03.08.16 13.30

Date Received: 03.10.16 12.26
Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B
Tech: ZHO
Analyst: ZHO
Seq Number: 990123

Draft

Date Prep: 03.11.16 10.00

Prep Method: SW5035
% Moisture: 16.59
Basis: Dry Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Methylene chloride	75-09-2	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
o-Xylene	95-47-6	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Styrene	100-42-5	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Tetrachloroethene	127-18-4	**0.00468**	0.00436	mg/kg	03.11.16 18.23		1
Toluene	108-88-3	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
trans-1,2-Dichloroethene	156-60-5	**0.101**	0.00436	mg/kg	03.11.16 18.23		1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Trichloroethene	79-01-6	**0.0112**	0.00436	mg/kg	03.11.16 18.23		1
Trichlorofluoromethane	75-69-4	BRL	0.00436	mg/kg	03.11.16 18.23	U	1
Vinyl chloride	75-01-4	**0.0122**	0.00436	mg/kg	03.11.16 18.23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	137	%	50-150	03.11.16 18.23	
4-Bromofluorobenzene	460-00-4	104	%	57-158	03.11.16 18.23	
Toluene-D8	2037-26-5	97	%	50-150	03.11.16 18.23	

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-7** Matrix: Water Date Received:03.10.16 12.26

Lab Sample Id: 526617-015 Date Collected: 03.09.16 09.45

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 03.11.16 10.01

Seq Number: 990176

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,1-Dichloroethane	75-34-3	**4.26**	1.00	ug/L	03.11.16 14.41		1
1,1-Dichloroethene	75-35-4	**14.7**	1.00	ug/L	03.11.16 14.41		1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	03.11.16 14.41	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	03.11.16 14.41	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	03.11.16 14.41	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	03.11.16 14.41	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	03.11.16 14.41	U	1
Acetone	67-64-1	BRL	2.00	ug/L	03.11.16 14.41	U	1
Benzene	71-43-2	BRL	1.00	ug/L	03.11.16 14.41	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	03.11.16 14.41	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	03.11.16 14.41	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	03.11.16 14.41	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	03.11.16 14.41	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	03.11.16 14.41	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	03.11.16 14.41	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	03.11.16 14.41	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	03.11.16 14.41	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	03.11.16 14.41	U	1
cis-1,2-Dichloroethene	156-59-2	**2.80**	1.00	ug/L	03.11.16 14.41		1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	03.11.16 14.41	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	03.11.16 14.41	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	03.11.16 14.41	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	03.11.16 14.41	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	03.11.16 14.41	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	03.11.16 14.41	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	03.11.16 14.41	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	03.11.16 14.41	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	03.11.16 14.41	U	1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **EW-7**
Lab Sample Id: 526617-015

Matrix: Water
Date Collected: 03.09.16 09.45

Date Received:03.10.16 12.26

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: ZHO
Seq Number: 990176

Prep Method: SW5030B
% Moisture:

Date Prep: 03.11.16 10.01

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	03.11.16 14.41	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	03.11.16 14.41	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	03.11.16 14.41	U	1
Styrene	100-42-5	BRL	1.00	ug/L	03.11.16 14.41	U	1
Tetrachloroethene	127-18-4	**1.28**	1.00	ug/L	03.11.16 14.41		1
Toluene	108-88-3	BRL	1.00	ug/L	03.11.16 14.41	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	03.11.16 14.41	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	03.11.16 14.41	U	1
Trichloroethene	79-01-6	**11.3**	1.00	ug/L	03.11.16 14.41		1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	03.11.16 14.41	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	03.11.16 14.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	102	%	53-159	03.11.16 14.41	
4-Bromofluorobenzene	460-00-4	97	%	30-186	03.11.16 14.41	
Toluene-D8	2037-26-5	98	%	70-130	03.11.16 14.41	

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **Trip Blank**
Lab Sample Id: 526617-016

Matrix: Water
Date Collected: 03.08.16 00.00

Date Received:03.10.16 12.26

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: ZHO
Seq Number: 990176

Draft

Date Prep: 03.11.16 10.01

Prep Method: SW5030B
% Moisture:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,1-Dichloroethane	75-34-3	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,1-Dichloroethene	75-35-4	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	03.11.16 13.21	U	1
1,4-Dioxane	123-91-1	BRL	20.0	ug/L	03.11.16 13.21	U	1
2-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	03.11.16 13.21	U	1
2-Hexanone	591-78-6	BRL	2.00	ug/L	03.11.16 13.21	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	BRL	2.00	ug/L	03.11.16 13.21	U	1
Acetone	67-64-1	BRL	2.00	ug/L	03.11.16 13.21	U	1
Benzene	71-43-2	BRL	1.00	ug/L	03.11.16 13.21	U	1
Bromodichloromethane	75-27-4	BRL	1.00	ug/L	03.11.16 13.21	U	1
Bromoform	75-25-2	BRL	1.00	ug/L	03.11.16 13.21	U	1
Bromomethane	74-83-9	BRL	1.00	ug/L	03.11.16 13.21	U	1
Carbon disulfide	75-15-0	BRL	1.00	ug/L	03.11.16 13.21	U	1
Carbon tetrachloride	56-23-5	BRL	1.00	ug/L	03.11.16 13.21	U	1
Chlorobenzene	108-90-7	BRL	1.00	ug/L	03.11.16 13.21	U	1
Chloroethane	75-00-3	BRL	1.00	ug/L	03.11.16 13.21	U	1
Chloroform	67-66-3	BRL	1.00	ug/L	03.11.16 13.21	U	1
Chloromethane	74-87-3	BRL	1.00	ug/L	03.11.16 13.21	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	03.11.16 13.21	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.00	ug/L	03.11.16 13.21	U	1
Cyclohexane	110-82-7	BRL	1.00	ug/L	03.11.16 13.21	U	1
Dibromochloromethane	124-48-1	BRL	1.00	ug/L	03.11.16 13.21	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.00	ug/L	03.11.16 13.21	U	1
Ethylbenzene	100-41-4	BRL	1.00	ug/L	03.11.16 13.21	U	1
Isopropylbenzene	98-82-8	BRL	1.00	ug/L	03.11.16 13.21	U	1
m,p-Xylenes	179601-23-1	BRL	2.00	ug/L	03.11.16 13.21	U	1
Methyl acetate	79-20-9	BRL	2.00	ug/L	03.11.16 13.21	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.00	ug/L	03.11.16 13.21	U	1

Certificate of Analytical Results 526617

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **Trip Blank** Matrix: Water Date Received:03.10.16 12.26

Lab Sample Id: 526617-016 Date Collected: 03.08.16 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 03.11.16 10.01

Seq Number: 990176

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00	ug/L	03.11.16 13.21	U	1
Methylene chloride	75-09-2	BRL	1.00	ug/L	03.11.16 13.21	U	1
o-Xylene	95-47-6	BRL	1.00	ug/L	03.11.16 13.21	U	1
Styrene	100-42-5	BRL	1.00	ug/L	03.11.16 13.21	U	1
Tetrachloroethene	127-18-4	BRL	1.00	ug/L	03.11.16 13.21	U	1
Toluene	108-88-3	BRL	1.00	ug/L	03.11.16 13.21	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00	ug/L	03.11.16 13.21	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00	ug/L	03.11.16 13.21	U	1
Trichloroethene	79-01-6	BRL	1.00	ug/L	03.11.16 13.21	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00	ug/L	03.11.16 13.21	U	1
Vinyl chloride	75-01-4	BRL	1.00	ug/L	03.11.16 13.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	106	%	53-159	03.11.16 13.21	
4-Bromofluorobenzene	460-00-4	103	%	30-186	03.11.16 13.21	
Toluene-D8	2037-26-5	101	%	70-130	03.11.16 13.21	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: **Percent Moisture by SM2540G**

Seq Number: 990276 Matrix: Soil

Parent Sample Id: 526615-003 MD Sample Id: 526615-003 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	13.2	13.3	1	20	%	03.14.16 09:45	

Draft

Analytical Method: **Percent Moisture by SM2540G**

Seq Number: 990276 Matrix: Soil

Parent Sample Id: 526617-004 MD Sample Id: 526617-004 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	18.0	17.9	1	20	%	03.14.16 09:45	

Analytical Method: **Percent Moisture by SM2540G**

Seq Number: 990276 Matrix: Soil

Parent Sample Id: 526617-014 MD Sample Id: 526617-014 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	15.5	15.7	1	20	%	03.14.16 09:45	

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 990123 Matrix: Solid Date Prep: 03.11.16

MB Sample Id: 706275-1-BLK LCS Sample Id: 706275-1-BKS LCSD Sample Id: 706275-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.000753	0.0500	0.0509	102	0.0492	98	75-145	3	20	mg/kg	03.11.16 11:06	
1,1,2,2-Tetrachloroethane	<0.00119	0.0500	0.0477	95	0.0455	91	78-120	5	20	mg/kg	03.11.16 11:06	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.00111	0.0500	0.0614	123	0.0523	105	54-173	16	20	mg/kg	03.11.16 11:06	
1,1,2-Trichloroethane	<0.000670	0.0500	0.0477	95	0.0447	89	81-115	6	20	mg/kg	03.11.16 11:06	
1,1-Dichloroethane	<0.000802	0.0500	0.0567	113	0.0497	99	73-131	13	20	mg/kg	03.11.16 11:06	
1,1-Dichloroethene	<0.00116	0.0500	0.0570	114	0.0500	100	67-144	13	20	mg/kg	03.11.16 11:06	
1,2,4-Trichlorobenzene	<0.000873	0.0500	0.0562	112	0.0473	95	61-170	17	20	mg/kg	03.11.16 11:06	
1,2-Dibromo-3-chloropropane (DBCP)	<0.00162	0.0500	0.0439	88	0.0445	89	62-146	1	20	mg/kg	03.11.16 11:06	
1,2-Dibromoethane (EDB)	<0.000863	0.0500	0.0492	98	0.0468	94	81-121	5	20	mg/kg	03.11.16 11:06	
1,2-Dichlorobenzene	<0.00129	0.0500	0.0529	106	0.0484	97	70-146	9	20	mg/kg	03.11.16 11:06	
1,2-Dichloroethane	<0.000597	0.0500	0.0495	99	0.0459	92	63-150	8	20	mg/kg	03.11.16 11:06	
1,2-Dichloropropane	<0.000929	0.0500	0.0465	93	0.0435	87	76-121	7	20	mg/kg	03.11.16 11:06	
1,3-Dichlorobenzene	<0.000997	0.0500	0.0548	110	0.0496	99	73-145	10	20	mg/kg	03.11.16 11:06	
1,4-Dichlorobenzene	<0.000684	0.0500	0.0533	107	0.0477	95	74-143	11	20	mg/kg	03.11.16 11:06	
1,4-Dioxane	<0.0977	1.00	0.914	91	0.899	90	33-138	2	20	mg/kg	03.11.16 11:06	
2-Butanone (MEK)	<0.00228	0.100	0.0983	98	0.0940	94	44-158	4	20	mg/kg	03.11.16 11:06	
2-Hexanone	<0.00113	0.100	0.0842	84	0.0822	82	59-154	2	20	mg/kg	03.11.16 11:06	
4-Methyl-2-pentanone (MIBK)	<0.00323	0.100	0.0882	88	0.0868	87	65-132	2	20	mg/kg	03.11.16 11:06	
Acetone	<0.00688	0.100	0.136	136	0.123	123	43-163	10	20	mg/kg	03.11.16 11:06	
Benzene	<0.000513	0.0500	0.0493	99	0.0447	89	65-135	10	20	mg/kg	03.11.16 11:06	
Bromodichloromethane	<0.000501	0.0500	0.0488	98	0.0454	91	80-135	7	20	mg/kg	03.11.16 11:06	
Bromoform	<0.000959	0.0500	0.0445	89	0.0434	87	71-135	3	20	mg/kg	03.11.16 11:06	
Bromomethane	<0.00246	0.0500	0.0570	114	0.0511	102	51-149	11	20	mg/kg	03.11.16 11:06	
Carbon disulfide	<0.00146	0.0500	0.0561	112	0.0499	100	57-151	12	20	mg/kg	03.11.16 11:06	
Carbon tetrachloride	<0.000742	0.0500	0.0494	99	0.0501	100	70-156	1	20	mg/kg	03.11.16 11:06	
Chlorobenzene	<0.000579	0.0500	0.0517	103	0.0469	94	76-131	10	20	mg/kg	03.11.16 11:06	
Chloroethane	<0.00245	0.0500	0.0459	92	0.0423	85	64-131	8	20	mg/kg	03.11.16 11:06	
Chloroform	<0.000741	0.0500	0.0494	99	0.0475	95	78-125	4	20	mg/kg	03.11.16 11:06	
Chloromethane	<0.00230	0.0500	0.0465	93	0.0401	80	59-127	15	20	mg/kg	03.11.16 11:06	
cis-1,2-Dichloroethene	<0.000662	0.0500	0.0500	100	0.0447	89	80-123	11	20	mg/kg	03.11.16 11:06	
cis-1,3-Dichloropropene	<0.000539	0.0500	0.0456	91	0.0436	87	81-123	4	20	mg/kg	03.11.16 11:06	
Cyclohexane	<0.000945	0.0500	0.0488	98	0.0479	96	58-164	2	20	mg/kg	03.11.16 11:06	
Dibromochloromethane	<0.000994	0.0500	0.0493	99	0.0461	92	81-136	7	20	mg/kg	03.11.16 11:06	
Dichlorodifluoromethane	<0.00118	0.0500	0.0486	97	0.0438	88	33-161	10	20	mg/kg	03.11.16 11:06	
Ethylbenzene	<0.000565	0.0500	0.0515	103	0.0469	94	65-139	9	20	mg/kg	03.11.16 11:06	
Isopropylbenzene	<0.000759	0.0500	0.0547	109	0.0512	102	65-153	7	20	mg/kg	03.11.16 11:06	
m,p-Xylenes	<0.00121	0.100	0.106	106	0.0969	97	75-141	9	20	mg/kg	03.11.16 11:06	
Methyl acetate	<0.000946	0.0500	0.0532	106	0.0497	99	45-155	7	20	mg/kg	03.11.16 11:06	
Methyl tert-butyl ether	<0.000693	0.100	0.104	104	0.0946	95	70-131	9	20	mg/kg	03.11.16 11:06	
Methylcyclohexane	<0.00109	0.0500	0.0542	108	0.0499	100	39-185	8	20	mg/kg	03.11.16 11:06	
Methylene chloride	<0.00217	0.0500	0.0596	119	0.0518	104	65-137	14	20	mg/kg	03.11.16 11:06	
o-Xylene	<0.000716	0.0500	0.0519	104	0.0474	95	73-141	9	20	mg/kg	03.11.16 11:06	
Styrene	<0.000742	0.0500	0.0531	106	0.0481	96	82-129	10	20	mg/kg	03.11.16 11:06	
Tetrachloroethene	<0.00104	0.0500	0.0530	106	0.0492	98	78-144	7	20	mg/kg	03.11.16 11:06	
Toluene	<0.000588	0.0500	0.0486	97	0.0443	89	83-115	9	20	mg/kg	03.11.16 11:06	
trans-1,2-Dichloroethene	<0.000780	0.0500	0.0562	112	0.0501	100	72-132	11	20	mg/kg	03.11.16 11:06	
trans-1,3-Dichloropropene	<0.000670	0.0500	0.0452	90	0.0430	86	82-132	5	20	mg/kg	03.11.16 11:06	
Trichloroethene	<0.000707	0.0500	0.0516	103	0.0468	94	80-126	10	20	mg/kg	03.11.16 11:06	
Trichlorofluoromethane	<0.00351	0.0500	0.0561	112	0.0492	98	55-155	13	20	mg/kg	03.11.16 11:06	
Vinyl chloride	<0.00201	0.0500	0.0530	106	0.0473	95	70-130	11	20	mg/kg	03.11.16 11:06	

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QC Summary 526617

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 990123 Matrix: Solid Date Prep: 03.11.16

MB Sample Id: 706275-1-BLK LCS Sample Id: 706275-1-BKS LCSD Sample Id: 706275-1-BSD

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	127		112		104		50-150	%	03.11.16 11:06
4-Bromofluorobenzene	105		100		101		57-158	%	03.11.16 11:06
Toluene-D8	99		97		97		50-150	%	03.11.16 11:06

Draft

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 990176 Matrix: Water Date Prep: 03.11.16

MB Sample Id: 706318-1-BLK LCS Sample Id: 706318-1-BKS LCSD Sample Id: 706318-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	58.0	116	51.5	103	65-130	12	20	ug/L	03.11.16 11:09	
1,1,2,2-Tetrachloroethane	<0.180	50.0	54.3	109	51.4	103	65-130	5	20	ug/L	03.11.16 11:09	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	62.0	124	50.7	101	65-130	20	20	ug/L	03.11.16 11:09	
1,1,2-Trichloroethane	<0.250	50.0	55.4	111	52.0	104	75-125	6	20	ug/L	03.11.16 11:09	
1,1-Dichloroethane	<0.110	50.0	55.2	110	50.7	101	70-135	8	20	ug/L	03.11.16 11:09	
1,1-Dichloroethene	<0.200	50.0	59.4	119	55.0	110	70-130	8	20	ug/L	03.11.16 11:09	
1,2,4-Trichlorobenzene	<0.170	50.0	56.4	113	52.9	106	65-135	6	20	ug/L	03.11.16 11:09	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	50.1	100	49.3	99	50-130	2	20	ug/L	03.11.16 11:09	
1,2-Dibromoethane (EDB)	<0.180	50.0	55.6	111	50.8	102	80-120	9	20	ug/L	03.11.16 11:09	
1,2-Dichlorobenzene	<0.140	50.0	54.8	110	49.7	99	70-120	10	20	ug/L	03.11.16 11:09	
1,2-Dichloroethane	<0.180	50.0	52.9	106	48.6	97	70-130	8	20	ug/L	03.11.16 11:09	
1,2-Dichloropropane	<0.150	50.0	54.8	110	51.6	103	75-125	6	20	ug/L	03.11.16 11:09	
1,3-Dichlorobenzene	<0.170	50.0	54.4	109	48.4	97	75-125	12	20	ug/L	03.11.16 11:09	
1,4-Dichlorobenzene	<0.170	50.0	53.7	107	46.8	94	75-125	14	20	ug/L	03.11.16 11:09	
1,4-Dioxane	<8.84	1000	1050	105	1030	103	30-145	2	20	ug/L	03.11.16 11:09	
2-Butanone (MEK)	<0.280	100	107	107	105	105	30-150	2	20	ug/L	03.11.16 11:09	
2-Hexanone	<0.320	100	112	112	113	113	55-130	1	20	ug/L	03.11.16 11:09	
4-Methyl-2-pentanone (MIBK)	<0.260	100	117	117	116	116	60-135	1	20	ug/L	03.11.16 11:09	
Acetone	<0.350	100	114	114	106	106	40-140	7	20	ug/L	03.11.16 11:09	
Benzene	<0.160	50.0	55.4	111	50.6	101	80-120	9	20	ug/L	03.11.16 11:09	
Bromodichloromethane	<0.250	50.0	60.1	120	54.2	108	75-120	10	20	ug/L	03.11.16 11:09	
Bromoform	<0.170	50.0	50.1	100	48.9	98	70-130	2	20	ug/L	03.11.16 11:09	
Bromomethane	<0.250	50.0	47.7	95	50.9	102	30-145	6	20	ug/L	03.11.16 11:09	
Carbon disulfide	<0.260	50.0	63.4	127	59.3	119	35-160	7	20	ug/L	03.11.16 11:09	
Carbon tetrachloride	<0.330	50.0	53.5	107	45.7	91	65-140	16	20	ug/L	03.11.16 11:09	
Chlorobenzene	<0.150	50.0	52.3	105	47.9	96	80-120	9	20	ug/L	03.11.16 11:09	
Chloroethane	<0.260	50.0	54.3	109	53.7	107	60-135	1	20	ug/L	03.11.16 11:09	
Chloroform	<0.160	50.0	56.2	112	50.2	100	65-135	11	20	ug/L	03.11.16 11:09	
Chloromethane	<0.250	50.0	44.0	88	42.6	85	40-125	3	20	ug/L	03.11.16 11:09	
cis-1,2-Dichloroethene	<0.210	50.0	35.0	70	35.5	71	70-125	1	20	ug/L	03.11.16 11:09	
cis-1,3-Dichloropropene	<0.100	50.0	64.4	129	61.3	123	70-130	5	20	ug/L	03.11.16 11:09	
Cyclohexane	<0.150	50.0	56.2	112	47.4	95	65-135	17	20	ug/L	03.11.16 11:09	
Dibromochloromethane	<0.150	50.0	52.4	105	49.1	98	60-135	7	20	ug/L	03.11.16 11:09	
Dichlorodifluoromethane	<0.220	50.0	50.8	102	49.5	99	30-155	3	20	ug/L	03.11.16 11:09	
Ethylbenzene	<0.190	50.0	55.3	111	49.9	100	75-125	10	20	ug/L	03.11.16 11:09	
Isopropylbenzene	<0.150	50.0	57.1	114	50.0	100	75-125	13	20	ug/L	03.11.16 11:09	
m,p-Xylenes	<0.510	100	108	108	101	101	75-130	7	20	ug/L	03.11.16 11:09	
Methyl acetate	<0.260	50.0	55.3	111	56.0	112	65-135	1	20	ug/L	03.11.16 11:09	
Methyl tert-butyl ether	<0.180	100	114	114	109	109	65-125	4	20	ug/L	03.11.16 11:09	
Methylcyclohexane	<0.110	50.0	58.1	116	49.0	98	65-135	17	20	ug/L	03.11.16 11:09	
Methylene chloride	<0.420	50.0	55.4	111	47.5	95	55-140	15	20	ug/L	03.11.16 11:09	
o-Xylene	<0.200	50.0	54.8	110	49.4	99	80-120	10	20	ug/L	03.11.16 11:09	
Styrene	<0.180	50.0	56.2	112	52.0	104	65-135	8	20	ug/L	03.11.16 11:09	
Tetrachloroethene	<0.160	50.0	56.0	112	50.3	101	45-150	11	20	ug/L	03.11.16 11:09	
Toluene	<0.140	50.0	54.2	108	49.8	100	75-120	8	20	ug/L	03.11.16 11:09	
trans-1,2-Dichloroethene	<0.210	50.0	57.2	114	55.0	110	60-140	4	20	ug/L	03.11.16 11:09	
trans-1,3-Dichloropropene	<0.110	50.0	53.4	107	49.5	99	55-140	8	20	ug/L	03.11.16 11:09	
Trichloroethene	<0.190	50.0	54.5	109	49.2	98	70-125	10	20	ug/L	03.11.16 11:09	
Trichlorofluoromethane	<0.530	50.0	48.7	97	42.0	84	60-145	15	20	ug/L	03.11.16 11:09	
Vinyl chloride	<0.190	50.0	50.5	101	49.7	99	50-145	2	20	ug/L	03.11.16 11:09	

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Analytical Method: VOCs by SW-846 8260B — Prep Method: SW5030B
Seq Number: 990176 — Matrix: Water — Date Prep: 03.11.16
MB Sample Id: 706318-1-BLK — LCS Sample Id: 706318-1-BKS — LCSD Sample Id: 706318-1-BSD

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	107		101		98		53-159	%	03.11.16 11:09
4-Bromofluorobenzene	104		100		99		30-186	%	03.11.16 11:09
Toluene-D8	100		103		104		70-130	%	03.11.16 11:09

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Analytical Method: VOCs by SW-846 8260B — Prep Method: SW5035A
Seq Number: 990134 — Matrix: Solid — Date Prep: 03.13.16
MB Sample Id: 706299-1-BLK — LCS Sample Id: 706299-1-BKS — LCSD Sample Id: 706299-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
cis-1,2-Dichloroethene	<0.000662	0.0500	0.0461	92	0.0481	96	80-123	4	20	mg/kg	03.13.16 13:58	
Tetrachloroethene	<0.00104	0.0500	0.0467	93	0.0448	90	78-144	4	20	mg/kg	03.13.16 13:58	
trans-1,2-Dichloroethene	<0.000780	0.0500	0.0502	100	0.0505	101	72-132	1	20	mg/kg	03.13.16 13:58	
Trichloroethene	<0.000707	0.0500	0.0471	94	0.0471	94	80-126	0	20	mg/kg	03.13.16 13:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	113		96		95		50-150	%	03.13.16 13:58
4-Bromofluorobenzene	85		82		83		57-158	%	03.13.16 13:58
Toluene-D8	92		88		88		50-150	%	03.13.16 13:58

Analytical Method: VOCs by SW-846 8260B — Prep Method: SW5035
Seq Number: 990285 — Matrix: Solid — Date Prep: 03.14.16
MB Sample Id: 706382-1-BLK — LCS Sample Id: 706382-1-BKS — LCSD Sample Id: 706382-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
cis-1,2-Dichloroethene	<0.000662	0.0500	0.0441	88	0.0467	93	80-123	6	20	mg/kg	03.14.16 10:01	
Tetrachloroethene	<0.00104	0.0500	0.0423	85	0.0422	84	78-144	0	20	mg/kg	03.14.16 10:01	
Trichloroethene	<0.000707	0.0500	0.0463	93	0.0491	98	80-126	6	20	mg/kg	03.14.16 10:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	115		96		94		50-150	%	03.14.16 10:01
4-Bromofluorobenzene	84		84		85		57-158	%	03.14.16 10:01
Toluene-D8	91		88		88		50-150	%	03.14.16 10:01

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 990123 Matrix: Soil Date Prep: 03.11.16

Parent Sample Id: 526617-005 MS Sample Id: 526617-005 S MSD Sample Id: 526617-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.000918	0.0610	0.0433	71	0.0450	75	62-137	4	20	mg/kg	03.11.16 21:49	
1,1,2,2-Tetrachloroethane	<0.00145	0.0610	0.0492	81	0.0487	81	64-128	1	20	mg/kg	03.11.16 21:49	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.00135	0.0610	0.0504	83	0.0529	88	33-177	5	20	mg/kg	03.11.16 21:49	
1,1,2-Trichloroethane	<0.000817	0.0610	0.0467	77	0.0452	75	61-130	3	20	mg/kg	03.11.16 21:49	
1,1-Dichloroethane	<0.000978	0.0610	0.0476	78	0.0483	80	65-136	1	20	mg/kg	03.11.16 21:49	
1,1-Dichloroethene	<0.00141	0.0610	0.0496	81	0.0505	84	33-158	2	20	mg/kg	03.11.16 21:49	
1,2,4-Trichlorobenzene	<0.00106	0.0610	0.0417	68	0.0409	68	43-139	2	20	mg/kg	03.11.16 21:49	
1,2-Dibromo-3-chloropropane (DBCP)	<0.00197	0.0610	0.0505	83	0.0495	82	51-130	2	20	mg/kg	03.11.16 21:49	
1,2-Dibromoethane (EDB)	<0.00105	0.0610	0.0479	79	0.0469	78	69-132	2	20	mg/kg	03.11.16 21:49	
1,2-Dichlorobenzene	<0.00157	0.0610	0.0430	70	0.0440	73	71-120	2	20	mg/kg	03.11.16 21:49	X
1,2-Dichloroethane	<0.000728	0.0610	0.0451	74	0.0449	75	53-140	0	20	mg/kg	03.11.16 21:49	
1,2-Dichloropropane	<0.00113	0.0610	0.0417	68	0.0424	71	68-126	2	20	mg/kg	03.11.16 21:49	
1,3-Dichlorobenzene	<0.00122	0.0610	0.0433	71	0.0439	73	68-127	1	20	mg/kg	03.11.16 21:49	
1,4-Dichlorobenzene	<0.000834	0.0610	0.0416	68	0.0429	71	72-118	3	20	mg/kg	03.11.16 21:49	X
1,4-Dioxane	<0.119	1.22	0.332	27	0.334	28	22-162	1	20	mg/kg	03.11.16 21:49	
2-Butanone (MEK)	<0.00278	0.122	0.111	91	0.108	90	42-147	3	20	mg/kg	03.11.16 21:49	
2-Hexanone	<0.00138	0.122	0.105	86	0.0970	81	32-142	8	20	mg/kg	03.11.16 21:49	
4-Methyl-2-pentanone (MIBK)	<0.00394	0.122	0.112	92	0.107	89	34-149	5	20	mg/kg	03.11.16 21:49	
Acetone	0.0307	0.122	0.116	70	0.117	72	43-163	1	20	mg/kg	03.11.16 21:49	
Benzene	<0.000625	0.0610	0.0400	66	0.0416	69	65-135	4	20	mg/kg	03.11.16 21:49	
Bromodichloromethane	<0.000611	0.0610	0.0420	69	0.0416	69	60-129	1	20	mg/kg	03.11.16 21:49	
Bromoform	<0.00117	0.0610	0.0442	72	0.0436	73	48-147	1	20	mg/kg	03.11.16 21:49	
Bromomethane	<0.00300	0.0610	0.0461	76	0.0501	83	42-170	8	20	mg/kg	03.11.16 21:49	
Carbon disulfide	<0.00177	0.0610	0.0440	72	0.0481	80	40-147	9	20	mg/kg	03.11.16 21:49	
Carbon tetrachloride	<0.000905	0.0610	0.0437	72	0.0460	77	71-117	5	20	mg/kg	03.11.16 21:49	
Chlorobenzene	<0.000706	0.0610	0.0432	71	0.0440	73	71-117	2	20	mg/kg	03.11.16 21:49	
Chloroethane	<0.00298	0.0610	0.0411	67	0.0382	64	44-166	7	20	mg/kg	03.11.16 21:49	
Chloroform	<0.000903	0.0610	0.0437	72	0.0444	74	62-127	2	20	mg/kg	03.11.16 21:49	
Chloromethane	<0.00281	0.0610	0.0421	69	0.0427	71	34-157	1	20	mg/kg	03.11.16 21:49	
cis-1,2-Dichloroethene	0.0503	0.0610	0.0621	19	0.0632	21	41-155	2	20	mg/kg	03.11.16 21:49	X
cis-1,3-Dichloropropene	<0.000657	0.0610	0.0382	63	0.0388	65	63-128	2	20	mg/kg	03.11.16 21:49	
Cyclohexane	<0.00115	0.0610	0.0459	75	0.0492	82	53-145	7	20	mg/kg	03.11.16 21:49	
Dibromochloromethane	<0.00121	0.0610	0.0436	71	0.0440	73	59-135	1	20	mg/kg	03.11.16 21:49	
Dichlorodifluoromethane	<0.00144	0.0610	0.0416	68	0.0436	73	16-171	5	20	mg/kg	03.11.16 21:49	
Ethylbenzene	<0.000689	0.0610	0.0427	70	0.0445	74	65-139	4	20	mg/kg	03.11.16 21:49	
Isopropylbenzene	<0.000925	0.0610	0.0443	73	0.0473	79	62-133	7	20	mg/kg	03.11.16 21:49	
m,p-Xylenes	<0.00147	0.122	0.0873	72	0.0911	76	69-130	4	20	mg/kg	03.11.16 21:49	
Methyl acetate	<0.00115	0.0610	0.0229	38	0.0223	37	20-170	3	20	mg/kg	03.11.16 21:49	
Methyl tert-butyl ether	<0.000845	0.122	0.0951	78	0.0939	78	48-169	1	20	mg/kg	03.11.16 21:49	
Methylcyclohexane	<0.00133	0.0610	0.0470	77	0.0500	83	57-149	6	20	mg/kg	03.11.16 21:49	
Methylene chloride	<0.00264	0.0610	0.0551	90	0.0551	92	17-184	0	20	mg/kg	03.11.16 21:49	
o-Xylene	<0.000873	0.0610	0.0430	70	0.0451	75	71-124	5	20	mg/kg	03.11.16 21:49	X
Styrene	<0.000905	0.0610	0.0430	70	0.0432	72	50-143	0	20	mg/kg	03.11.16 21:49	
Tetrachloroethene	0.0338	0.0610	0.0531	32	0.0548	35	42-156	3	20	mg/kg	03.11.16 21:49	X
Toluene	<0.000717	0.0610	0.0409	67	0.0422	70	13-188	3	20	mg/kg	03.11.16 21:49	
trans-1,2-Dichloroethene	0.00745	0.0610	0.0484	67	0.0497	70	57-143	3	20	mg/kg	03.11.16 21:49	
trans-1,3-Dichloropropene	<0.000817	0.0610	0.0385	63	0.0379	63	55-141	2	20	mg/kg	03.11.16 21:49	
Trichloroethene	0.0162	0.0610	0.0496	55	0.0507	57	39-150	2	20	mg/kg	03.11.16 21:49	
Trichlorofluoromethane	<0.00428	0.0610	0.0451	74	0.0469	78	34-179	4	20	mg/kg	03.11.16 21:49	
Vinyl chloride	<0.00245	0.0610	0.0470	77	0.0473	79	40-161	1	20	mg/kg	03.11.16 21:49	

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QC Summary 526617

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139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 990123 Matrix: Soil Date Prep: 03.11.16

Parent Sample Id: 526617-005 MS Sample Id: 526617-005 S MSD Sample Id: 526617-005 SD

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	110		111		50-150	%	03.11.16 21:49
4-Bromofluorobenzene	101		101		57-158	%	03.11.16 21:49
Toluene-D8	95		95		50-150	%	03.11.16 21:49

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139 Brampton Road

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 990176 Matrix: Water Date Prep: 03.11.16

Parent Sample Id: 526617-015 MS Sample Id: 526617-015 S MSD Sample Id: 526617-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	49.6	99	48.2	96	59-138	3	20	ug/L	03.11.16 21:50	
1,1,2,2-Tetrachloroethane	<0.180	50.0	50.1	100	49.9	100	63-126	0	20	ug/L	03.11.16 21:50	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.110	50.0	52.2	104	49.7	99	53-138	5	20	ug/L	03.11.16 21:50	
1,1,2-Trichloroethane	<0.250	50.0	50.3	101	48.9	98	72-115	3	20	ug/L	03.11.16 21:50	
1,1-Dichloroethane	4.26	50.0	55.0	101	52.5	96	69-132	5	20	ug/L	03.11.16 21:50	
1,1-Dichloroethene	14.7	50.0	69.2	109	66.0	103	62-131	5	20	ug/L	03.11.16 21:50	
1,2,4-Trichlorobenzene	<0.170	50.0	47.5	95	46.0	92	34-131	3	20	ug/L	03.11.16 21:50	
1,2-Dibromo-3-chloropropane (DBCP)	<0.190	50.0	44.1	88	45.0	90	53-121	2	20	ug/L	03.11.16 21:50	
1,2-Dibromoethane (EDB)	<0.180	50.0	48.7	97	48.5	97	66-125	0	20	ug/L	03.11.16 21:50	
1,2-Dichlorobenzene	<0.140	50.0	48.8	98	46.7	93	58-124	4	20	ug/L	03.11.16 21:50	
1,2-Dichloroethane	<0.180	50.0	46.3	93	45.7	91	55-141	1	20	ug/L	03.11.16 21:50	
1,2-Dichloropropane	<0.150	50.0	49.2	98	48.1	96	78-121	2	20	ug/L	03.11.16 21:50	
1,3-Dichlorobenzene	<0.170	50.0	47.6	95	45.9	92	62-120	4	20	ug/L	03.11.16 21:50	
1,4-Dichlorobenzene	<0.170	50.0	46.3	93	45.3	91	64-114	2	20	ug/L	03.11.16 21:50	
1,4-Dioxane	<8.84	1000	1060	106	940	94	11-185	12	20	ug/L	03.11.16 21:50	
2-Butanone (MEK)	<0.280	100	101	101	98.4	98	50-152	3	20	ug/L	03.11.16 21:50	
2-Hexanone	<0.320	100	107	107	104	104	55-136	3	20	ug/L	03.11.16 21:50	
4-Methyl-2-pentanone (MIBK)	<0.260	100	108	108	106	106	65-132	2	20	ug/L	03.11.16 21:50	
Acetone	<0.350	100	103	103	97.1	97	40-140	6	20	ug/L	03.11.16 21:50	
Benzene	<0.160	50.0	48.1	96	47.0	94	77-118	2	20	ug/L	03.11.16 21:50	
Bromodichloromethane	<0.250	50.0	52.5	105	51.4	103	68-125	2	20	ug/L	03.11.16 21:50	
Bromoform	<0.170	50.0	43.8	88	44.2	88	53-112	1	20	ug/L	03.11.16 21:50	
Bromomethane	<0.250	50.0	37.8	76	37.0	74	63-137	2	20	ug/L	03.11.16 21:50	
Carbon disulfide	<0.260	50.0	58.0	116	55.2	110	26-147	5	20	ug/L	03.11.16 21:50	
Carbon tetrachloride	<0.330	50.0	44.3	89	44.5	89	56-138	0	20	ug/L	03.11.16 21:50	
Chlorobenzene	<0.150	50.0	46.4	93	45.2	90	71-114	3	20	ug/L	03.11.16 21:50	
Chloroethane	<0.260	50.0	62.4	125	60.3	121	60-137	3	20	ug/L	03.11.16 21:50	
Chloroform	<0.160	50.0	47.5	95	47.1	94	65-131	1	20	ug/L	03.11.16 21:50	
Chloromethane	<0.250	50.0	49.8	100	47.8	96	48-151	4	20	ug/L	03.11.16 21:50	
cis-1,2-Dichloroethene	2.80	50.0	53.6	102	52.0	98	22-185	3	20	ug/L	03.11.16 21:50	
cis-1,3-Dichloropropene	<0.100	50.0	53.5	107	51.4	103	67-113	4	20	ug/L	03.11.16 21:50	
Cyclohexane	<0.150	50.0	48.5	97	48.4	97	61-141	0	20	ug/L	03.11.16 21:50	
Dibromochloromethane	<0.150	50.0	46.7	93	45.5	91	53-125	3	20	ug/L	03.11.16 21:50	
Dichlorodifluoromethane	<0.220	50.0	63.6	127	60.4	121	38-145	5	20	ug/L	03.11.16 21:50	
Ethylbenzene	<0.190	50.0	49.1	98	47.0	94	66-127	4	20	ug/L	03.11.16 21:50	
Isopropylbenzene	<0.150	50.0	48.0	96	46.8	94	58-127	3	20	ug/L	03.11.16 21:50	
m,p-Xylenes	<0.510	100	97.8	98	94.4	94	65-126	4	20	ug/L	03.11.16 21:50	
Methyl acetate	<0.260	50.0	43.4	87	41.7	83	65-135	4	20	ug/L	03.11.16 21:50	
Methyl tert-butyl ether	<0.180	100	105	105	102	102	58-141	3	20	ug/L	03.11.16 21:50	
Methylcyclohexane	<0.110	50.0	48.2	96	47.8	96	64-128	1	20	ug/L	03.11.16 21:50	
Methylene chloride	<0.420	50.0	48.2	96	43.5	87	63-150	10	20	ug/L	03.11.16 21:50	
o-Xylene	<0.200	50.0	48.6	97	50.3	101	64-123	3	20	ug/L	03.11.16 21:50	
Styrene	<0.180	50.0	51.3	103	49.0	98	50-133	5	20	ug/L	03.11.16 21:50	
Tetrachloroethene	1.28	50.0	45.4	88	43.3	84	52-125	5	20	ug/L	03.11.16 21:50	
Toluene	<0.140	50.0	47.6	95	46.1	92	65-123	3	20	ug/L	03.11.16 21:50	
trans-1,2-Dichloroethene	<0.210	50.0	52.4	105	50.6	101	65-135	3	20	ug/L	03.11.16 21:50	
trans-1,3-Dichloropropene	<0.110	50.0	46.2	92	44.6	89	50-125	4	20	ug/L	03.11.16 21:50	
Trichloroethene	11.3	50.0	71.1	120	66.5	110	65-125	7	20	ug/L	03.11.16 21:50	
Trichlorofluoromethane	<0.530	50.0	52.8	106	50.6	101	51-145	4	20	ug/L	03.11.16 21:50	
Vinyl chloride	<0.190	50.0	55.9	112	52.9	106	52-140	6	20	ug/L	03.11.16 21:50	

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 990176 Matrix: Water Date Prep: 03.11.16

Parent Sample Id: 526617-015 MS Sample Id: 526617-015 S MSD Sample Id: 526617-015 SD

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	99		100		53-159	%	03.11.16 21:50
4-Bromofluorobenzene	99		98		30-186	%	03.11.16 21:50
Toluene-D8	99		100		70-130	%	03.11.16 21:50

Draft

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: AMEC FOSTER WHEELER	Receiver's Initials/Temp: [illegible] / 1.4°C
Address: 2677 BUFORD HWY	Custody Seal(s): ___ Y N Lab Work Order # 526417
Results Sent to: STEVE FOLEY	P.O.# (if required):
Email address: STEVE.FOLEY@AMECFW.COM	Field Comments / Lab Precautions: HOLD ALL 5-6' SAMPLES
Contact Phone #: 404-817-0152 Cell#:	
Project Name (Site): 139 BRAMPTON RD	
Project Number (ID): 6121-09-0220	Container Type: VC
Regulatory Program:	Chemical Preservation Code: 6

Sampler(s): (signature) [signature]

Sampler(s): (printed) STEPHEN FOLEY

Analysis Requested

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	VOC 8260B
1	GP-5-20N 2-3'	2-3	3/8/16 1458	S		X	4	X
2	GP-5-20N 5-6'	5-6	1502					
3	GP-5-40N 2-3'	2-3	1350					X
4	GP-5-40N 5-6'	5-6	1355					
5	GP-5-20W 2-3'	2-3	1438					X
6	GP-5-20W 5-6	5-6	1442					
7	GP-5-40W 2-3'	2-3	1427					X
8	GP-5-40W 5-6'	5-6	1431					
9	GP-5-20E 2-3'	2-3	1510					X
10	GP-5-20E 5-6'	5-6	1515					

1) Relinquished By: [signature] Date / Time 3/8/16 1226	2) Received By: [signature] Date / Time 3/10/16 12:26	Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By: Date / Time	4) Received By: Date / Time	**Turnaround Time (business days)** TAT Starts when samples are rec'd by 2PM
5) Relinquished By: Date / Time	6) Received By: Date / Time	___10 Days ; ___5-7 Days; ___3 Days ___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO LABORATORIES

XENCO LABORATORIES
CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: AMEC FOSTER WHEELER	Receiver's Initials/Temp: [illegible] / 1.4°C
Address: 2677 BUFORD HWY	Custody Seal(s): ___ Y N Lab Work Order # 526617
Results Sent to: STEVE FOLEY	P.O.# (if required):
Email address: STEVE.FOLEY@AMECFW.COM	Field Comments / Lab Precautions: HOLD ALL 5-6' SAMPLES
Contact Phone #: 404-817-0152 Cell#:	
Project Name (Site): 139 BRAMPTON RD	
Project Number (ID): 6121-09-0220	Container Type: VC
Regulatory Program:	Chemical Preservation Code: 6
Sampler(s): (signature) [signature]	Sampler(s): (printed) STEPHEN FOLEY

Analysis Requested

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	VOC: 8260B
1	GP-5-40E 2-3'	2-3	3/8/16 1413	S		X	4	X
2	GP-5-40E 5-6'	5-6	1418					
3	GP-5-20S 2-3'	2-3	1330					X
4	GP-5-20S 5-6	5-6	1335					
5	EW-7		3/9/16 0945	GW			2	X
6	TRIP BLANK			W			2	X
7								
8								
9								
10								

1) Relinquished By: [signature] Date / Time 3/10/16 12:26	2) Received By: [signature] Date / Time 3/10/16 12:26	Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By: Date / Time	4) Received By: Date / Time	**Turnaround Time (business days)** TAT Starts when samples are rec'd by 2PM
5) Relinquished By: Date / Time	6) Received By: Date / Time	___10 Days ; ___5-7 Days; ___3 Days ___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: AMEC Foster Wheeler

Date/ Time Received: 03/10/2016 12:26:00 PM

Work Order #: 526617

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.4
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**N/A**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 03/10/2016

Checklist reviewed by: J. Derek Rounsley Date: 03/12/2016

APPENDIX C
BORING LOGS

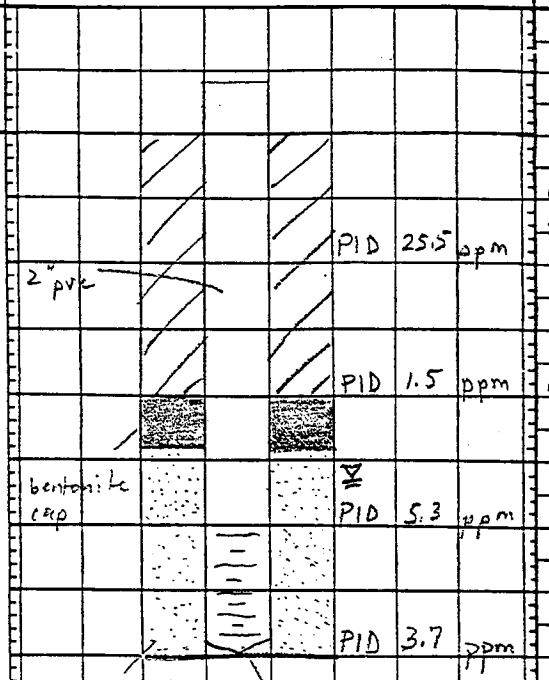
JOB NO. 953-3825	PROJECT Georgia Drum/Brampton Rd	WELL NO. GW-1	SHEET 1 OF 1
GA INSP. CDH	DRILLING METHOD HSA	GROUND ELEV. —	WATER DEPTH 13.9 btoc
WEATHER sunny	DRILLING COMPANY Geothermics	COLLAR ELEV. —	DATE/TIME
TEMP. 55°	DRILL RIG Trailer Mount DRILLER Clawson, P.	STARTED 19:30 2-11 (TIME / DATE)	COMPLETED 11:00 2-12 (TIME / DATE)

MATERIALS INVENTORY

WELL CASING 2 in. dia. 20 l.f.	WELL SCREEN 2 in. dia. 5 l.f.	BENTONITE SEAL chips
CASING TYPE PVC	SCREEN TYPE PVC	INSTALLATION METHOD poured
JOINT TYPE flush	SLOT SIZE .01	FILTER PACK QTY. —
GROUT QUANTITY —	CENTRALIZERS —	FILTER PACK TYPE silica sand
GROUT TYPE bentonite/Portland cement	DRILLING MUD TYPE —	INSTALLATION METHOD poured

ELEV./DEPTH	SOIL/ROCK DESCRIPTION
	GROUND SURFACE
0.0	grey, mottled orange, coarse sandy CLAY
5	becoming predominately sand @ 5'
	grades to dark grey sandy CLAY
10	SAA
	grades to very coarse SAND w/ large pebbles @ 14.5; interbedded w/ stiff blue clay to 20'
15	
20	

WELL SKETCH



PID	25.5	ppm
PID	1.5	ppm
PID	5.3	ppm
PID	3.7	ppm

INSTALLATION NOTES

Auger drilled to 20' bgs with 3 1/4" augers - took soil samples @ 4-5 1/2, 9-10 1/2, 14-15 1/2, 18-19 1/2 installed 2" PVC screen w/ .01 slot to 15' bgs installed 2" PVC casing (flush joint) to surface poured sandpack to 12' poured bentonite chips to 10' bgs grouted to surface w/ stickup surface finish

WELL DEVELOPMENT NOTES

W.L. 13.9
depth 20
column 6.1
x .17
1.03
x 3
3.11 gal
pumped dry after 5 min @ 1 gpm - S.C. stayed steady @ 180 mohm/cm
still slightly turbid water, may need further developing, however a sufficient volume for sampling was taken

MONITORING WELL INSTALLATION LOG

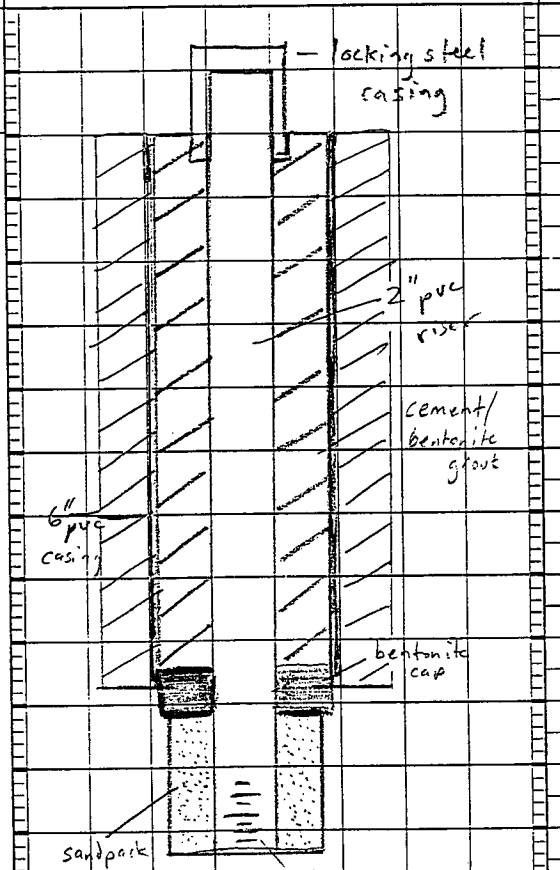
JOB NO.	953-3825	PROJECT	Savannah / Brampton Rd	WELL NO.	GW-2	SHEET	1
GA INSP.	CDH	DRILLING METHOD	HSA	GROUND ELEV.	—	WATER DEPTH	20.8 BGS
WEATHER	Cloudy	DRILLING COMPANY	SAME Environmental	COLLAR ELEV.	—	DATE/TIME	3/27 12:50
TEMP.	68°	DRILL RIG	B-56 DRILLER Bill / Donnie	STARTED	10:20 3/25 TIME / DATE	COMPLETED	11:00 3/27 TIME / DATE
STATION / OFFSET	—						

MATERIALS INVENTORY

WELL CASING	6 in dia 45 2 in. dia. 56.4 l.f.	WELL SCREEN	2 in. dia. 5 l.f.	BENTONITE SEAL	pellets
CASING TYPE	PVC	SCREEN TYPE	PVC	INSTALLATION METHOD	poured
JOINT TYPE	flush	SLOT SIZE	0.01"	FILTER PACK QTY.	≈ 65 lbs.
GROUT QUANTITY	—	CENTRALIZERS	—	FILTER PACK TYPE	silica sand
GROUTE TYPE	Bentonite slurry	DRILLING MUD TYPE	—	INSTALLATION METHOD	poured

ELEV./DEPTH	SOIL/ROCK DESCRIPTION
GROUND SURFACE	
0.0	See attached boring log for description.
5	
10	
15	
20	
25	
30	
35	
40	
45	
50	
55	
60	

WELL SKETCH



Drill notes:
Drilled to miocene formation (≈ 46' BGS) w/ 3 3/4" HSA - took soil samples @ staggered intervals (see attached log). Overdrilled hole w/ 8 3/4" HSA's. Installed 6" pvc casing. Grouted through augers until grout was observed to be flowing freely @ the surface. Let grout set overnite. Returned in morning, redrilled through grouted 6" casing to total depth of 56.4' BGS. Installed 2" pvc riser, 0.01 5' screen, poured sand pack to depth of 46.6' BGS. poured bentonite pellets to depth of ≈ 43.6' BGS. Grouted hole to surface, installed locking steel casing (stickup)

WELL DEVELOPMENT NOTES

Total depth - 56.4' bgs
W.L. 20.8' bgs
Water column - 35.6
x .17
6.052 gal
Start developing - very dirty, cleans up fairly quickly, dry after 10 min pumping @ 2gpm. Removed 2 gal. Let recover, pumped again @ lower rate - total of 40 gal removed. Clear appearance.

Golder Associates

Field Boring Log

DEPTH HOLE 46'	JOB NO. 953-3525	PROJECT Savanah / Brampton RD.		BORING NO. GW-2	
DEPTH SOIL DRILL 46'	GA INSP. CDH	DRILLING METHOD HSA		SHEET 1 OF 1	
DEPTH ROCK CORE —	WEATHER cloudy	DRILLING COMPANY S.M.E Environmental		SURFACE ELEV. —	
NO. DIST. SA. — UD. SA. —	TEMP. 65°	DRILL RIG B-56	DRILLER Bill/Donnie	DATUM —	
DEPTH WL. 20.8 bgs	HRS. PROD. —	WT. SAMPLER HAMMER —	DROP —	STARTED 10:20 (TIME) / 3-25-96 (DATE)	
TIME WL. 3/27 12:53	HRS. DELAYED —	WT. CASING HAMMER —	DROP —	COMPLETED 11:00 / 3/27	

SAMPLE TYPES

A.S.	AUGER SAMPLE
C.S.	CHUNK SAMPLE
D.O.	DRIVE OPEN
D.S.	DENISON SAMPLE
P.S.	PITCHER SAMPLE
R.C.	ROCK CORE
S.T.	SLOTTED TUBE
T.O.	THIN-WALLED, OPEN
T.P.	THIN-WALLED, PISTON
W.S.	WASH SAMPLE

ABBREVIATIONS

BL	BLACK	M	MEDIUM	SA	SAMPLE
BR	BROWN	MIC	MICACEOUS	SAT	SATURATED
C	COARSE	MOT	MOTTLED	SD	SAND
CA	CASING	NP	NON-PLASTIC	SI	SILT
CL	CLAY	OG	ORANGE	SIY	SILTY
CLY	CLAYEY	ORG	ORGANIC	SM	SOME
F	FINE	PH	PRESSURE-HYDRAULIC	TR	TRACE
FRAG	FRAGMENTS	PM	PRESSURE-MANUAL	WL	WATER LEVEL
GL	GRAVEL	R	RED	WH	WEIGHT OF HAMMER
LYD	LAYERED	RES	RESIDUAL	Y	YELLOW
LI	LITTLE	RX	ROCK		

SOIL DESCRIPTION - RANGE OF PROPORTION

"TRACE" – 0 - 5% "SOME" - 12 - 30%
"LITTLE" – 6 - 12% "AND" - 30-50%

RELATIVE DENSITY		BLOWS	CONSISTENCY		FINGER PRESSURE
VERY LOOSE	VLS	0 4	VERY SOFT	VS	EXTRUDES
LOOSE	LS	4 10	SOFT	S	MOLDS EASILY
COMPACT	CP	10-30	FIRM	FM	MOLDS
DENSE	DN	30-50	STIFF	ST	THUMB INDENTS
VERY DENSE	VDN	50	VERY STIFF	VST	THUMBNAIL INDENT
			HARD	H	RESISTS THUMBNAIL

ELEV. / DEPTH	DESCRIPTION	BLOWS / FT	SAMPLES NO.	TYPE	HAMM. BLOWS PER 6 IN (FORCE)	REC / ATT	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
0								(SA-1) (3.5 - 5.0)
5	Blue grey CLAY, trace sand SAA - increasing sand content - grades to orange brown sandy CLAY @ 8.5 - trends back to blue grey SANDY CLAY, then coarse silty SAND @ 12.5, then orange-brown Sandy CLAY from 14.5-15'	5	1	DO	2-2-3	18/18		
10		18	2	DO	6-8-10	17/18		SA-2 (8.5 - 10.0)
15	medium to coarse yellow/orange SAND w/intermittent blue grey Sandy CLAY zones,	15	3	DO	9-7-8	17/18	▽	SA-3 (13.5 - 15.0)
20		7	4	DO	2-3-4	18/18		SA-4 (18.5 - 20.0)
25	SAA, fewer CLAY ZONES, medium to coarse yellow/orange SAND w/some large pebbles							
30	grades to grey, med sand @ 29.6 - 30' SAA to right @ 32.5 then changes abruptly to dark grey, fine grained material (miocene?)	66	5	DO	18-30-36	18/18		SA-5 (28.5 - 30.0)
35								
40	micaceous silty CLAY continues to 45' @ a green-grey, v.f. to	43	6 7	DO	10-17-24	18/18		SA-6 (38.5 - 39.5) SA-7 (39.5 - 40.0)
44 45	fine clayey SILT with trace of sand (MIOCENE)	67	8	DO	19-27-40	18/18		After a closer look, appears to be a transition zone from 39.5 to 42.5 with the higher sand content darker color - brown - olive green and much finer silt @ 42.5 - miocene
50								(SA-8) 42.5 - 44
55								

MONITORING WELL CONSTRUCTION RECORD

JOB NO. 953-3825 PROJECT Georgia Drum / Brampton RD. WELL NO. GW-3 SHEET 1 OF 1

GA INSP. CDH DRILLING METHOD HSA GROUND ELEV. – WATER DEPTH 11.06 btc

WEATHER Sunny DRILLING COMPANY Geothermics COLLAR ELEV. – DATE/TIME –

TEMP. 55° DRILL RIG Trailer mount DRILLER Clawson, P. STARTED 11:00 (TIME) 2-11 (DATE) COMPLETED 13:00 (TIME) 2-11 (DATE)

MATERIALS INVENTORY

WELL CASING 2 in. dia. 20 l.f. WELL SCREEN 2 in. dia. 5 l.f. BENTONITE SEAL chips

CASING TYPE PVC SCREEN TYPE PVC INSTALLATION METHOD poured

JOINT TYPE flush SLOT SIZE .01 FILTER PACK QTY. –

GROUT QUANTITY – CENTRALIZERS – FILTER PACK TYPE silica sand

GROUT TYPE bentonite / portland cement DRILLING MUD TYPE – INSTALLATION METHOD poured

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	INSTALLATION NOTES
	GROUND SURFACE		
0.0	orangish brown sandy CLAY w/ dark black staining	2" pvc; PID 245 ppm	Auger drilled to 18' with 7¼" augers - took soil samples @ 0-5', 9-10½', & 14-15½'
5	softer, yellowish sandy CLAY	▽; PID 68 ppm	installed 2" pvc screen with .01 slot (5ft length)
10	interbedded blue/grey sandy CLAY w/ orange brown coarse SAND	bentonite cap; PID 1.9 ppm	installed 2" pvc casing (flush mount) poured sandpack to 9' bgs - poured bent. chips to 7.1' bgs. grout to surface w/ stick up finish
15	stiff blue/grey sandy CLAY	sandpack; 5ft screen	
20			

WELL DEVELOPMENT NOTES

W.L. 11.06

Depth 20.6

column = 9.5

× .17

1.615

× 3

4.845 gal to be removed

bailer pump 13:35

stopped 15:45 (DRY)

Q ≈ ½ gpm

water - creamy brown at first, became clear

Specific conductance @ 2 min intervals

0 - 345

2 - 345

4 - 325

6 - 325

8 - 325

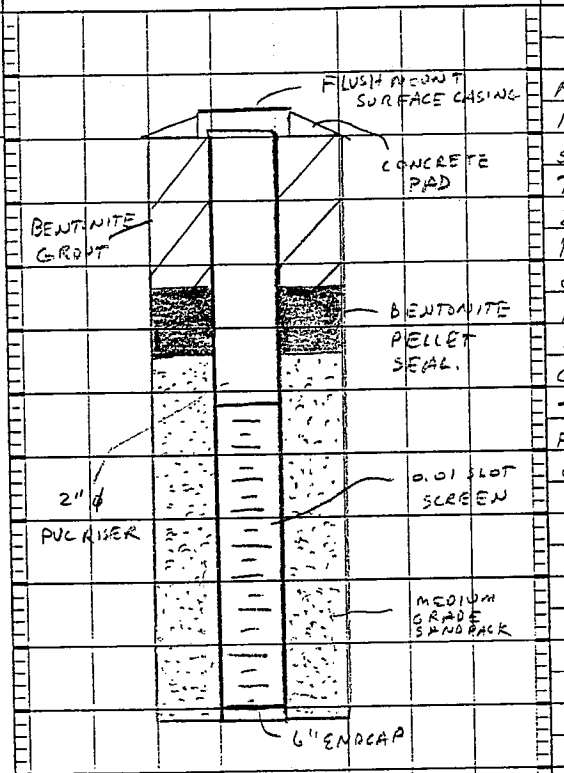
MONITORING WELL INSTALLATION LOG

JOB NO.	953-3825	PROJECT	Savannah - Brampton RJ	WELL NO.	GW-4	SHEET	1 of 1
GA INSP	CDH	DRILLING METHOD	HSA 3 3/4 ID	GROUND ELEV.	—	WATER DEPTH	9.62 BTOC
WEATHER	SUN	DRILLING COMPANY	S & ME	COLLAR ELEV.	—	DATE/TIME	4-1-99 10:30
TEMP.	85°	DRILL RIG	CME 2400 DRILLER Earl T	STARTED	13:00 3-30 TIME / DATE	COMPLETED	≈ 13:00 3-31 TIME / DATE
STATION / OFFSET							

MATERIALS INVENTORY

WELL CASING	2 in. dia. 10 l.f.	WELL SCREEN	2 in. dia. 10 l.f.	BENTONITE SEAL	PELLETS
CASING TYPE	2" ϕ PVC	SCREEN TYPE	PVC	INSTALLATION METHOD	POURED
JOINT TYPE	FLUSH	SLOT SIZE	0.01	FILTER PACK QTY.	≈ 4 75lb. BAGS
GROUT QUANTITY	≈ 2 94lb. BAGS	CENTRALIZERS	—	FILTER PACK TYPE	QUARTZ SAND
GROUTE TYPE	HYDRATED BENTONITE	DRILLING MUD TYPE	—	INSTALLATION METHOD	POURED

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH
	GROUND SURFACE	
0.0	SEE BORING LOG	
2		
4		
6		
8		
10		
12		
14		
16		
18		
20		



AUGERED TO ≈ 18.5' BGS. INSTALLED 2" ϕ PVC, 0.01 SLOT SCREEN FROM 18.5' BGS TO 8.5' BGS. INSTALLED 2" ϕ PVC RISER TO SURFACE. POURED ≈ 4 BAGS MEDIUM SAND TO ≈ 7' BGS. POURED 1 BAG BENTONITE CHIPS TO 5' BGS. POURED BENTONITE CHIPS HYDRATED IN 2' LIFTS TO SURFACE. INSTALLED FLUSH MOUNTED IDUEK AND SMALL CONCRETE PAD.

WELL DEVELOPMENT NOTES

REMOVED ≈ 20 GALLONS. WATER SHOWED IMPROVEMENT IN CLARITY.

Golder Associates

Field Boring Log

DEPTH HOLE 18.5' | JOB NO. 953-3825 | PROJECT BRAMPTON RD. | BORING NO. GW-4
DEPTH SOIL DRILL 16.5' | GA INSP. CDH | DRILLING METHOD HSA 3 3/4 ID | SHEET 1 OF 1
DEPTH ROCK CORE — | WEATHER Sun | DRILLING COMPANY Simco | SURFACE ELEV. —
NO. DIST. SA. — UD. SA. — | TEMP. 80° | DRILL RIG Simco 2400 | DRILLER Earl | DATUM —
DEPTH WL. — | HRS. PROD. — | WT. SAMPLER HAMMER 140 | DROP 30" | STARTED 10:30 12-30-98
TIME WL. — | HRS. DELAYED — | WT. CASING HAMMER — | DROP — | COMPLETED TIME 12:00 DATE 12-30-98

SAMPLE TYPES

A.S.	AUGER SAMPLE
C.S.	CHUNK SAMPLE
D.O.	DRIVE OPEN
D.S.	DENISON SAMPLE
P.S.	PITCHER SAMPLE
R.C.	ROCK CORE
S.T.	SLOTTED TUBE
T.O.	THIN-WALLED, OPEN
T.P.	THIN-WALLED, PISTON
W.S.	WASH SAMPLE

ABBREVIATIONS

BL	BLACK	M	MEDIUM	SA	SAMPLE
BR	BROWN	MIC	MICACEOUS	SAT	SATURATED
C	COARSE	MOT	MOTTLED	SD	SAND
CA	CASING	NP	NON-PLASTIC	SI	SILT
CL	CLAY	OG	ORANGE	SIY	SILTY
CLY	CLAYEY	ORG	ORGANIC	SM	SOME
F	FINE	PH	PRESSURE-HYDRAULIC	TR	TRACE
FRAG	FRAGMENTS	PM	PRESSURE-MANUAL	WL	WATER LEVEL
GL	GRAVEL	R	RED	WH	WEIGHT OF HAMMER
LYD	LAYERED	RES	RESIDUAL	Y	YELLOW
LI	LITTLE	RX	ROCK		

SOIL DESCRIPTION - RANGE OF PROPORTION

"TRACE" - 0 - 5% "SOME" - 12 - 30%
"LITTLE" - 6 - 12% "AND" - 30-50%

RELATIVE DENSITY	BLOWS	CONSISTENCY	FINGER PRESSURE
VERY LOOSE VLS	0 4	VERY SOFT VS	EXTRUDES
LOOSE LS	4 10	SOFT S	MOLDS EASILY
COMPACT CP	10-30	FIRM FM	MOLDS
DENSE DN	30-60	STIFF ST	THUMB INDENTS
VERY DENSE VDN	50	VERY STIFF VST	THUMBNAIL INDENT
		HARD H	RESISTS THUMBNAIL

ELEV. / DEPTH	DESCRIPTION	BLOWS / FT	SAMPLES NO.	TYPE	HAMM. BLOWS PER 6 IN (FORCE)	REC / ATT	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
1	Red brown tan, firm SILTY CLAY AND Fine SAND		1	DO	2-2-2	1.5/2		GWC 4-1 0-2' (CLAYEY SAND)
5	white grey, firm, sl. moist SILTY CLAY SOME TO AND Fine-med SAND Grades to tan silty fine to med SAND (moist) little clay to trace		2	DO	3-4-7	1.5/2		GWC-4-2 4.5-6' (CLAYEY SAND)
10	white-grey, firm, sl. moist, fine to coarse SAND, SILTY CLAY 1-2mm quartz abundant		3	DO	5-7-8	1.25/2		GWC-4-3 9½-11 (CLAYEY SAND)
15	White-grey, tan fine to coarse SAND, trace to (little) silt, clay saturated		4	DO	3-6-12	1.0/2		GWC-4-4 14½-16 (SAND)
18								Installed well @ 18½-8½ (10' screen) Sandpack to 7' bgs bentonite seal to 5' bgs (1bag) (300-350 lbs sand) hydrated pellets well in (short stick-up) @ 12:16
19	T.D. @ 18.5							
20								
21								
22								

MONITORING WELL INSTALLATION LOG

JOB NO	953-3825	PROJECT	Savannah - Brampton RJ	WELL NO.	GW-5	SHEET	1 of 1
GA INSP	CDH	DRILLING METHOD	HSA - 3 3/4 ID	GROUND ELEV.	—	WATER DEPTH	10.40 BTOC
WEATHER	SUN	DRILLING COMPANY	SIME	COLLAR ELEV.	—	DATE/TIME	4-1-98 11:00
TEMP.	85°	DRILL RIG	Cimco 2400	DRILLER	EARL T.	STARTED	13:35 3-30 TIME / DATE
STATION / OFFSET						COMPLETED	14:00 3-31 TIME / DATE

MATERIALS INVENTORY

WELL CASING	2 in. dia ≈ 10 l.f.	WELL SCREEN	2 in. dia ≈ 10 l.f.	BENTONITE SEAL	PELLETS
CASING TYPE	PVC	SCREEN TYPE	PVC	INSTALLATION METHOD	POURED
JOINT TYPE	FLUSH	SLOT SIZE	0.01	FILTER PACK QTY.	≈3 BAGS
GROUT QUANTITY	≈2 94lb. BAGS	CENTRALIZERS	—	FILTER PACK TYPE	QUARTZ SAND
GROUTE TYPE	BENTONITE	DRILLING MUD TYPE	—	INSTALLATION METHOD	POURED

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH
	GROUND SURFACE	FLUSH MOUNT SURFACE CASING
0.0	SEE BORING LOGS	CONCRETE PAD
2		BENTONITE GROUT
4		
6		2" ϕ PVC RISER
8		BENTONITE CAP
10		MEDIUM GRADE FILTER PACK
12		
14		
16		
18		0.01 SLOT SCREEN
20		2" ENDCAP

AUGERED TO ≈ 19.2' BGS
INSTALLED 2" ϕ PVC, .01 SLOT SCREEN FROM ≈ 19 BGS TO ≈ 9' BGS. INSTALLED 2" ϕ PVC RISER TO SURFACE
POURED ≈ 3 BAGS MEDIUM GRADE SAND TO ≈ 7' BGS.
POURED 1 BAG BENTONITE CHIPS TO 5' BGS. POURED BENTONITE CHIPS HYDRATED IN 2' LIFTS TO SURFACE.
INSTALLED FLUSH MOUNTED COVER & SMALL CONCRETE PAD.

WELL DEVELOPMENT NOTES

REMOVED ≈ 15-20 GALLONS W/ SUBMERSIBLE PUMP. WATER SHOWED IMPROVEMENT IN CLARITY.

Golder Associates

Field Boring Log

DEPTH HOLE 19.2'	JOB NO. 953-3825	PROJECT Brampton RD		BORING NO. GW-5	
DEPTH SOIL DRILL 19.2'	GA INSP. COH	DRILLING METHOD HSA - 3 3/4 ID		SHEET 1 OF 1	
DEPTH ROCK CORE —	WEATHER Sun	DRILLING COMPANY SIME		SURF. ELEV. —	
NO. DIST. SA. — UD. SA. —	TEMP. 65°	DRILL RIG CIMCO 2400	DRILLER Carl T.	DATUM —	
DEPTH WL. —	HRS. PROD. —	WT. SAMPLER HAMMER 140 lb	DROP 30"	STARTED 13:35 (TIME) 13-30-98 (DATE)	
TIME WL. —	HRS. DELAYED —	WT. CASING HAMMER —	DROP —	COMPLETED 15:05 (TIME) 13-30-98 (DATE)	

SAMPLE TYPES

A.S.	AUGER SAMPLE
C.S.	CHUNK SAMPLE
D.O.	DRIVE OPEN
D.S.	DENISON SAMPLE
P.S.	PITCHER SAMPLE
R.C.	ROCK CORE
S.T.	SLOTTED TUBE
T.O.	THIN-WALLED, OPEN
T.P.	THIN-WALLED, PISTON
W.S.	WASH SAMPLE

ABBREVIATIONS

BL	BLACK	M	MEDIUM	SA	SAMPLE
BR	BROWN	MIC	MICACEOUS	SAT	SATURATED
C	COARSE	MOT	MOTTLED	SD	SAND
CA	CASING	NP	NON-PLASTIC	SI	SILT
CL	CLAY	OG	ORANGE	SIY	SILTY
CLY	CLAYEY	ORG	ORGANIC	SM	SOME
F	FINE	PH	PRESSURE-HYDRAULIC	TR	TRACE
FRAG	FRAGMENTS	PM	PRESSURE-MANUAL	WL	WATER LEVEL
GL	GRAVEL	R	RED	WH	WEIGHT OF HAMMER
LYD	LAYERED	RES	RESIDUAL	Y	YELLOW
LI	LITTLE	RX	ROCK		

SOIL DESCRIPTION - RANGE OF PROPORTION

"TRACE" - 0 - 5% "SOME" - 12 - 30%
"LITTLE" - 5 - 12% "AND" - 30-50%

RELATIVE DENSITY		BLOWS	CONSISTENCY		FINGER PRESSURE
VERY LOOSE	VLS	0-4	VERY SOFT	VS	EXTRUDES
LOOSE	LS	4-10	SOFT	S	MOLDS EASILY
COMPACT	CP	10-30	FIRM	FM	MOLDS
DENSE	DN	30-60	STIFF	ST	THUMB INDENTS
VERY DENSE	VDN	50	VERY STIFF	VST	THUMBNAIL INDENT
			HARD	H	RESISTS THUMBNAIL

ELEV. / DEPTH	DESCRIPTION	BLOWS / FT	SAMPLES NO.	TYPE	HAMM. BLOWS PER 6 IN (FORCE)	REC / ATT	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
1	Lt brown, tan SILTY SAND, (fine to med) grades to red-brown, stiff, plastic SILTY CLAY, some to and fine to med. SAND		1	DO	2-1-2	1.0/2		GWC-5-1 0"-2' (CLAYEY SAND)
5	SAA - grades to grey/greenish brown firm to stiff SILTY CLAY some to and fine to med SAND		2	DO	4-6-10	1.0/2		GWC-5-2 4½-6' (CLAYEY SAND)
10	SAA, zones of varying clay content predominately grey/brown		3	DO	4-4-5	1.5/2		GWC-5-3 9½-11 (CLAYEY SAND)
15	SAA, sl. moist @ ≈ 16' bgs		4	DO	3-4-6	1.5/2		GWC-5-4 14½-16 (CLAYEY SAND)
20	TD — Intermittent above and chiefly fine to coarse, SAND		5	DO	3-12-16	1.5/2		GWC-5-5 19-21 (SAND)

Well installed to ≈ 19.2' bgs
2.5 bags Sand to 7' bgs
≈ 0.5 bgs bentonite chips to 5' bgs hydrated

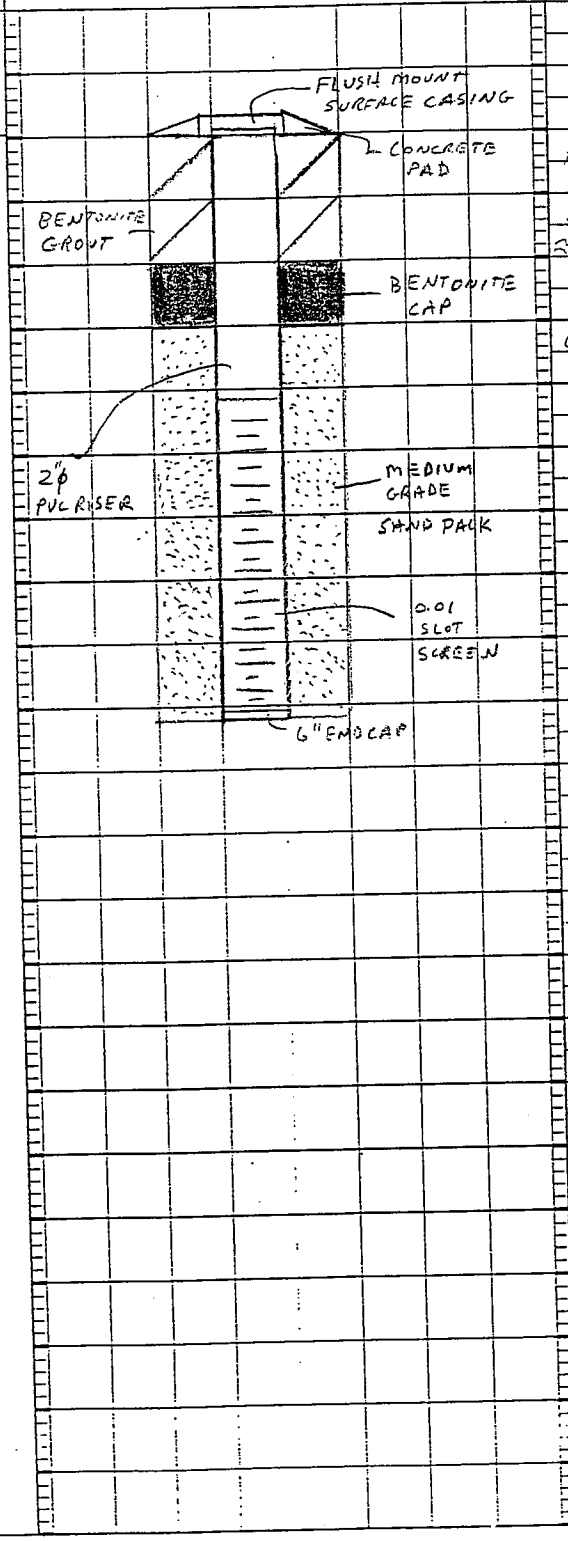
MONITORING WELL INSTALLATION LOG

JOB NO.	953-3325	PROJECT	Savannah - Brampton Rd	WELL NO.	GW-6	SHEET	1 of 1
GA INSP	CDH	DRILLING METHOD	HSA 3¼ ID	GROUND ELEV.	—	WATER DEPTH	5.48 BTOC
WEATHER	SUN	DRILLING COMPANY	S & ME	COLLAR ELEV.	—	DATE/TIME	4-1-92 12:00
TEMP.	85°	DRILL RIG	CIMCO 2400 DRILLER EARL T.	STARTED	8:30 3-31 TIME / DATE	COMPLETED	15:30 3-31 TIME / DATE
STATION / OFFSET							

MATERIALS INVENTORY

WELL CASING	2 in. dia 10 l.f.	WELL SCREEN	2 in. dia. 10 l.f.	BENTONITE SEAL	PELLETS
CASING TYPE	PVC	SCREEN TYPE	PVC	INSTALLATION METHOD	POURED
JOINT TYPE	FLUSH	SLOT SIZE	0.01	FILTER PACK QTY.	≈ 4 BAGS
GROUT QUANTITY	≈ 2 94 lb BAGS	CENTRALIZERS	—	FILTER PACK TYPE	QUARTZ SAND
GROUTE TYPE	BENTONITE	DRILLING MUD TYPE	—	INSTALLATION METHOD	POURED

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH
	GROUND SURFACE	
0.0	SEE BORING LOGS	
2		
4		
6		
8		
10		
12		
14		
16		
18		
20		



AUGERED TO ≈ 18.5' BGS
INSTALLED 2" ϕ PVC 0.01 SLOT SCREEN FROM ≈ 18.5' BGS TO ≈ 8.5' BGS. INSTALLED 2" ϕ PVC RISER TO SURFACE.
POURED ≈ 4 BAGS MEDIUM GRADE SAND TO ≈ 6' BGS.
POURED 1 BAG BENTONITE CHIPS TO ≈ 4' BGS. POURED BENTONITE CHIPS HYDRATED IN 2' LIFTS TO SURFACE.
INSTALLED FLUSH MOUNTED COVER & SMALL CONCRETE PAD.

WELL DEVELOPMENT NOTES

REMOVED ≈ 15 GALLONS W/ SUBMERSIBLE PUMP. WENT DRY MANY TIMES. RECOVERED QUICKLY. WATER SHOWED IMPROVEMENT, BUT STILL TURBID.

Golder Associates

Field Boring Log

DEPTH HOLE 18.5'	JOB NO. 953-3825	PROJECT Savannah - Brampton EJ		BORING NO. GWC-6	
DEPTH SOIL DRILL 18.5'	GA INSP. CDH	DRILLING METHOD HSA 3 3/4 ID		SHEET 1 OF 1	
DEPTH ROCK CORE —	WEATHER SUN	DRILLING COMPANY SIME		SURFACE ELEV. —	
NO. DIST. SA. — UD. SA. —	TEMP. 80°	DRILL RIG Cimco 2400	DRILLER Earl	DATUM —	
DEPTH WL. —	HRS. PROD. —	WT. SAMPLER HAMMER 140 lb.	DROP 30"	STARTED 8:30 / 3-31-98 (TIME / DATE)	
TIME WL. —	HRS. DELAYED —	WT. CASING HAMMER —	DROP —	COMPLETED 15:30 / 3-31-98	

SAMPLE TYPES

A.S.	AUGER SAMPLE
C.S.	CHUNK SAMPLE
D.O.	DRIVE OPEN
D.S.	DENISON SAMPLE
P.S.	PITCHER SAMPLE
R.C.	ROCK CORE
S.T.	SLOTTED TUBE
T.O.	THIN-WALLED, OPEN
T.P.	THIN-WALLED, PISTON
W.S.	WASH SAMPLE

ABBREVIATIONS

BL	BLACK	M	MEDIUM	SA	SAMPLE
BR	BROWN	MIC	MICACEOUS	SAT	SATURATED
C	COARSE	MOT	MOTTLED	SD	SAND
CA	CASING	NP	NON-PLASTIC	SI	SILT
CL	CLAY	OG	ORANGE	SIY	SILTY
CLY	CLAYEY	ORG	ORGANIC	SM	SOME
F	FINE	PH	PRESSURE-HYDRAULIC	TR	TRACE
FRAG	FRAGMENTS	PM	PRESSURE-MANUAL	WL	WATER LEVEL
GL	GRAVEL	R	RED	WH	WEIGHT OF HAMMER
LYD	LAYERED	RES	RESIDUAL	Y	YELLOW
LI	LITTLE	RX	ROCK		

SOIL DESCRIPTION - RANGE OF PROPORTION

"TRACE" - 0 - 5% "SOME" - 12 - 30%
"LITTLE" - 5 - 12% "AND" - 30-50%

RELATIVE DENSITY		BLOWS	CONSISTENCY		FINGER PRESSURE
VERY LOOSE	VLS	0 4	VERY SOFT	VS	EXTRUDES
LOOSE	LS	4 10	SOFT	S	MOLDS EASILY
COMPACT	CP	10-30	FIRM	FM	MOLDS
DENSE	DN	30-50	STIFF	ST	THUMB INDENTS
VERY DENSE	VDN	50	VERY STIFF	VST	THUMBNAIL INDENT
			HARD	H	RESISTS THUMBNAIL

ELEV. / DEPTH	DESCRIPTION	BLOWS / FT	SAMPLES NO.	TYPE	HAMM. BLOWS PER 6 IN (FORCE)	REC / ATT	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
1	mainly waste shingle material (asphalt/tar aggregate) mixed w/ dark brown, firm plastic SILTY CLAY little to some fine sand		1	DO	5-12-12	1.0/2		GWC-6-1 0-2' - odor note: after boring through this waste material (≈ 3½-5' bgs) auger/soil cuttings were observed to be mounded around auger flights - attempted to bail out - but cuttings plug not to try to prevent from flowing down.
2								
3								
4								GWC-6-2 4½-6' bgs NO RECOVERY no sample
5	cuttings show - dark greenish grey very soft to soft, loose SILTY CLAY; fine to med SAND (CLAYEY SAND) odor - wet		2	DO AS	2-2-5	0/2		≈ 6-8 bgs - chemical odor (different from surface) emits from borehole
6								
7								
8								
9								GWC-6-3 - 9½-11
10	different odor (chemical)		3	DO	5-7-7	1.5/2		11-14 when auger/bit was pulled up w/ augers & chemical odor
11	grey-green, saturated fine to med SAND some to and CLAY (clayey sand)							
12								
13								
14								GWC-6-4 - 14½-16
15	grey green, orange mottled SILTY CLAY, some f-m sand grains		4	DO	3-5-7			Soil PVP taken here
16								
17	to coarse grey quartz SAND, some clay - saturated, chemical odor							
18								
19								
20								
21								
22								

MONITORING WELL INSTALLATION LOG

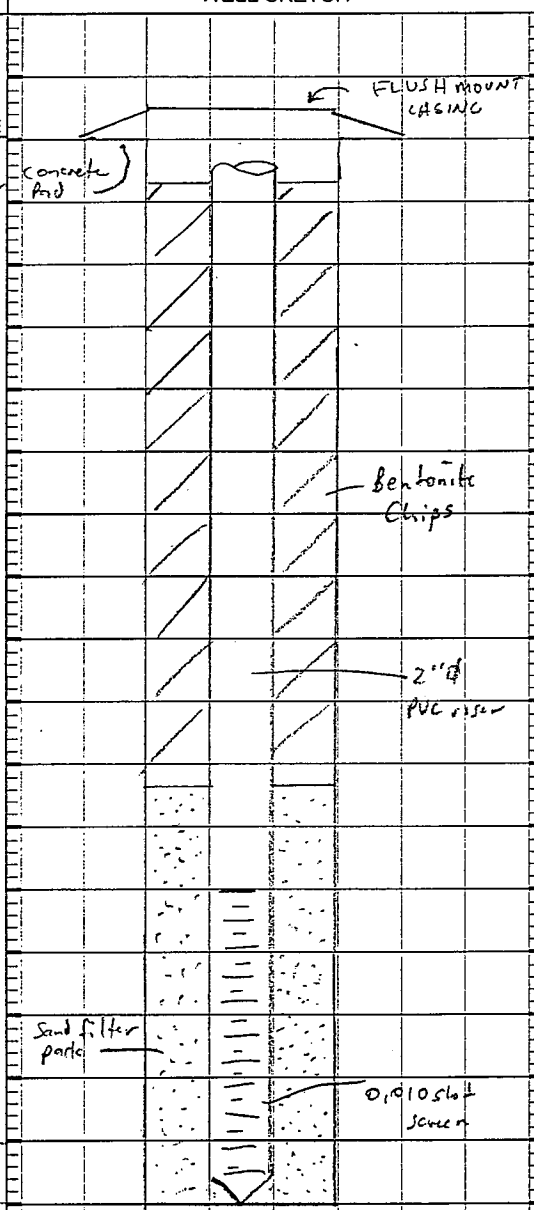
JOB NO.	953-3825	PROJECT	DF/BRAMPTON RD/GA	WELL NO.	GW-7	SHEET	1
GA INSP.	CDH	DRILLING METHOD	HSA - 6 1/4 OD	GROUND ELEV.		WATER DEPTH	10.10
WEATHER	SUN	DRILLING COMPANY	Whittaker	COLLAR ELEV.		DATE/TIME	10-7-99
TEMP.	70	DRILL RIG	ATV B-30 DRILLER RON	STARTED	Oct 6 1999 (TIME / DATE)	COMPLETED	Oct 6 1999 (TIME / DATE)
STATION / OFFSET							

MATERIALS INVENTORY

WELL CASING	2 in. dia. 25 l.f.	WELL SCREEN	2 in. dia. 10 l.f.	BENTONITE SEAL	CHIPS
CASING TYPE	2" Φ PVC	SCREEN TYPE	PVC	INSTALLATION METHOD	POURED
JOINT TYPE	FLUSH	SLOT SIZE	0.010	FILTER PACK QTY.	≈ 7 bags
GROUT QUANTITY	—	CENTRALIZERS	—	FILTER PACK TYPE	#1 SAND
GROUTE TYPE	BENTONITE PELLETS	DRILLING MUD TYPE	—	INSTALLATION METHOD	POURED

ELEV./DEPTH	SOIL/ROCK DESCRIPTION
	GROUND SURFACE
0.0	Loose, orange/white/brown SILTY CLAY AND (f-m) SAND. Becomes saturated @ ≈ 10'
20	wet, loose, grey white CLAYEY SAND; GRAVEL (f-c sand) (f-m gravel) - some clay stringers
32	Firm, moist to wet stiff Grey green SILTY CLAY, tr to little f-m sand (micaceous) Total Drill depth ≈ 34.5' bgs

WELL SKETCH



Advanced pilot boring to determine depth to clay. Re-advanced w/ 6 1/4" OD Augers to ≈ 35' bgs. Pounded out wood plug installed 10' of 0.010 slot screen & 25' of 2" Φ PVC riser to ≈ 34' bgs. Installed filter pack to ≈ 21' bgs. Poured bentonite chips to ground surface. Completed w/ flush mount finish.

Note: well installed inside augers

WELL DEVELOPMENT NOTES

Continuous cycles of pumping & surging & bailing. Removed ≈ 50 gallons total

MONITORING WELL INSTALLATION LOG

JOB NO.	9533825	PROJECT	DF/BRAMPTON RD/64	WELL NO.	GW-8	SHEET	1
GA INSP.	CDH	DRILLING METHOD	HSA 6¼ O.D.	GROUND ELEV.	—	WATER DEPTH	4.34
WEATHER	SUN	DRILLING COMPANY	Whittaker Drilling	COLLAR ELEV.	—	DATE/TIME	10-7-99
TEMP.	75°	DRILL RIG	ATV B-30	DRILLER	RON	STARTED	10-5-00 TIME / DATE
STATION / OFFSET						COMPLETED	10-5-00 TIME / DATE

MATERIALS INVENTORY

WELL CASING	2 in. dia. 25 l.f.	WELL SCREEN	2 in. dia. 10 l.f.	BENTONITE SEAL	BENTONITE PELLETS
CASING TYPE	2" ϕ PVC	SCREEN TYPE	2" ϕ PVC	INSTALLATION METHOD	POURED
JOINT TYPE	FLUSH	SLOT SIZE	0.010 SLOT	FILTER PACK QTY.	≈ 7 bags
GROUT QUANTITY	—	CENTRALIZERS	—	FILTER PACK TYPE	#1 SAND
GROUTE TYPE	BENTONITE	DRILLING MUD TYPE	—	INSTALLATION METHOD	POURED

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH
	GROUND SURFACE	FLUSH MOUNT CASING
0.0	LOOSE, SI. moist orange wh. brown SILTY CLAY AND (f-m) SAND	CONCRETE PAD
2		
4	BECOMES SATURATED ≈ 5' bgs	
6		
8		BENTONITE CHIPS
10		
12		2" ϕ PVC RISER
14		
16		
18		
20		
22	wet loose greyish white CLAYEY SAND / GRAVEL (f-c sand, f-m gravel) – some clay stringers	
24		
26		
28		
30		0.010 SLOT SCREEN
32		SAND PACK FILTER
34	Firm to STIFF, moist to wet grey green SILTY CLAY, tr to / little f-m SAND Calcareous	
36	Total Drill Depth ≈ 35' bgs - Total well depth ≈ 34.50' bgs	

Advanced pilot boring for soil ID - Reamed bore w/ 6¼" OD augers to 35' bgs. Pounded out wood plug, installed 10' of 0.010 slot screen and 25' of 2" ϕ riser pipe (PVC) to ≈ 34.5' bgs. Installed filter pack @ ≈ 21' bgs, poured bentonite chips to surface. Finished w/ flush mount casing completion.

WELL DEVELOPMENT NOTES

Cycles of surging, pumping & bailing - Removed ≈ 45 gal

MONITORING WELL INSTALLATION LOG

JOB NO.	953-3625	PROJECT	DL/BRAMPTON ROAD/GA	WELL NO.	GW-9	SHEET	1
GA INSP	CDH	DRILLING METHOD	HSA - 6¼ OD	GROUND ELEV.	—	WATER DEPTH	6.94
WEATHER	RAIN	DRILLING COMPANY	WHITTAKER	COLLAR ELEV.	—	DATE/TIME	10-7-99
TEMP.	80°	DRILL RIG	ATV B-30 DRILLER Ron	STARTED	10-4-99-11:30 TIME/DATE	COMPLETED	10-4-99 15:30 TIME/DATE
STATION / OFFSET							

MATERIALS INVENTORY

WELL CASING	2 in. dia. 35 l.f.	WELL SCREEN	2 in. dia. 10 l.f.	BENTONITE SEAL	BENTONITE CHIPS
CASING TYPE	2" ϕ PVC	SCREEN TYPE	PVC	INSTALLATION METHOD	POURED
JOINT TYPE	TRILOC FLUSH	SLOT SIZE	0.010	FILTER PACK QTY.	≈ 6 BAGS
GROUT QUANTITY	—	CENTRALIZERS	—	FILTER PACK TYPE	
GROUTE TYPE	BENTONITE PELLETS	DRILLING MUD TYPE	—	INSTALLATION METHOD	POURED

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH
	GROUND SURFACE	
0.0	LOOSE TO VERY LOOSE, MOTTLED ORANGE/WHITE SILTY CLAY; f-m SAND (QUARTZ)	
8	BECOMES SATURATED @ ≈ 7' BGS - TURNS GREY/BROWN @ ≈ 15' BGS	
18		
20	WET, LOOSE TO V. LOOSE GREY/WHITE CLAYEY SAND; GRAVEL (f-c SAND, f-c GRAVEL)	
28	GRAVEL UP TO 3" ϕ, ROUNDED	
32	FIRM, MOIST TO WET, GREY/GREEN SILTY CLAY, trace to little f-m SAND (micaceous)	
38		

DRILLED PILOT BORING FOR SOIL IDENTIFICATION. REDRILLED W/ 6¼ OD AUGERS TO ≈ 34' BGS - POUNDED OUT WOOD PLUG, INSTALLED 10' of 0.010 SLOT SCREEN & 25' OF 2" ϕ PVC RISER PIPE TO ≈ 33' BGS. INSTALLED FILTER PACK TO ≈ 19' BGS. POURED BENTONITE CHIPS TO GROUND SURFACE.

WELL DEVELOPMENT NOTES

Cycles of surging, pumping & bailing - ≈ 50 gallons removed

MONITORING WELL INSTALLATION LOG

JOB NO.	953 3825	PROJECT	DF / BRAMPTON RD / GA	WELL NO.	GW-10	SHEET	1
GA INSP.	CDH	DRILLING METHOD	HSA - 6¼" OD	GROUND ELEV.		WATER DEPTH	8.80 BTOC
WEATHER	SUN	DRILLING COMPANY	Whittaker	COLLAR ELEV.		DATE/TIME	10-7-99
TEMP.	75°	DRILL RIG	ATV B-30 DRILLER RON	STARTED	Oct 6, 1999 TIME / DATE	COMPLETED	Oct 6 1999 TIME / DATE
STATION / OFFSET							

MATERIALS INVENTORY

WELL CASING	2 in. dia. 25 l.f.	WELL SCREEN	2 in. dia. 10 l.f.	BENTONITE SEAL	CHIPS
CASING TYPE	2" ϕ PVC	SCREEN TYPE	PVC	INSTALLATION METHOD	POURED & HYDRATED
JOINT TYPE	FLUSH	SLOT SIZE	0.010	FILTER PACK QTY.	≈ 6 BAGS
GROUT QUANTITY	—	CENTRALIZERS	—	FILTER PACK TYPE	#1 SAND
GROUTE TYPE	BENTONITE PELLETS	DRILLING MUD TYPE	—	INSTALLATION METHOD	POURED

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH
	GROUND SURFACE	FLUSH MOUNT CASING
0.0	LOOSE TO VERY LOOSE, ORANGE/WHITE/BROWN MOTTLED SILTY CLAY AND f-m SAND Becomes saturated @ ≈ 9' bgs	CONCRETE PAD; 2" ϕ PVC riser; Bentonite chips
20	WET, LOOSE to V. LOOSE Grey/white CLAYEY SAND & GRAVEL (f-c sand, f-m gravel)	SAND FILTER PACK
32		0.010 slot PVC screen
34	FIRM to STIFF, MOIST TO WET, GREY/GREEN SILTY CLAY tr to little f-m SAND - micaceous (TOTAL DRILL DEPTH ≈ 34.5' bgs)	

Advanced pilot boring to determine top of clay. Depth re-advanced 6¼ OD augers to ≈ 34.5' bgs. Pound-set wood plug, installed 10' of 0.010 slot screen & ≈ 25' of 2" ϕ PVC riser to ≈ 34' bgs. Installed filter-pack to ≈ 21' bgs. Poured & hydrated bentonite chips to ground surface. Completed w/ flush mount finish & locking cap.

Note - well installed inside augers

WELL DEVELOPMENT NOTES

Continuous cycles of pumping, surging & bailing. Removed ≈ 45 gallons

MONITORING WELL INSTALLATION LOG

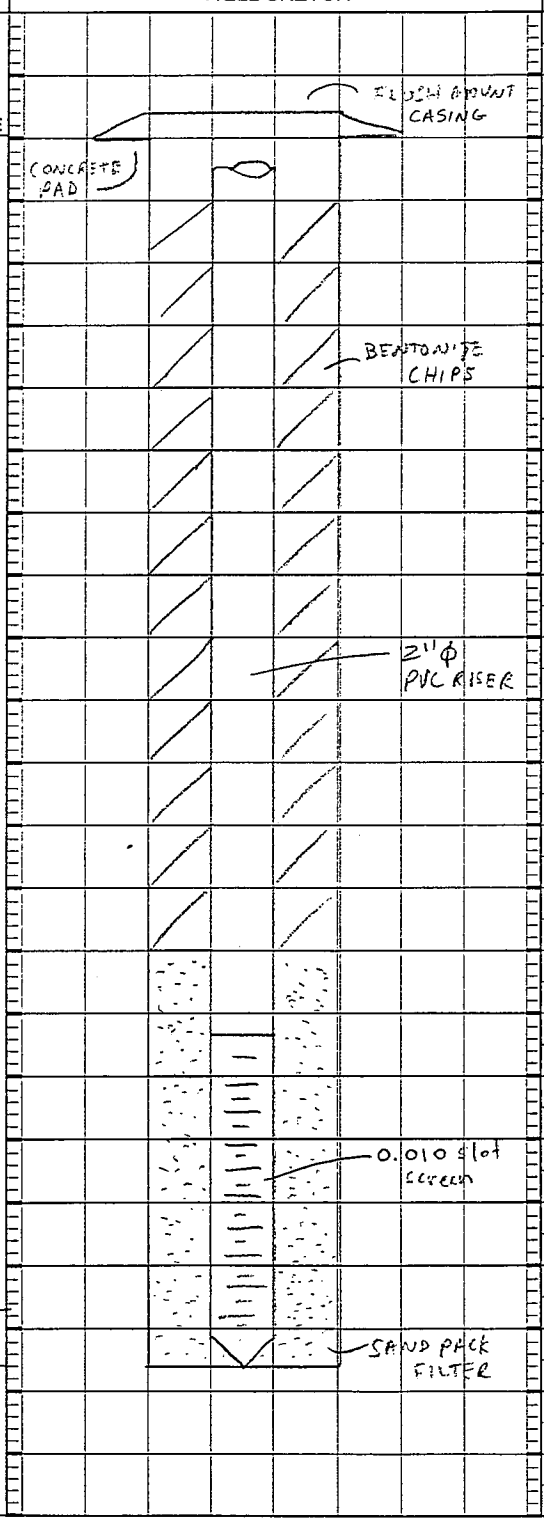
JOB NO.	953-3825	PROJECT	DL/BRAMPTON RD/GA	WELL NO.	GW-11	SHEET	1
GA INSP.	CDH	DRILLING METHOD	HSA - 6¼ OD	GROUND ELEV.	—	WATER DEPTH	5.84
WEATHER	SUN	DRILLING COMPANY	Whittaker Drilling	COLLAR ELEV.	—	DATE/TIME	10-7-00
TEMP.	70°	DRILL RIG	ATV B-30 DRILLER RON	STARTED	10-5-00 TIME / DATE	COMPLETED	10-5-00 TIME / DATE
STATION / OFFSET							

MATERIALS INVENTORY

WELL CASING	2 in. dia. 25 l.f.	WELL SCREEN	2 in. dia. 10 l.f.	BENTONITE SEAL	CHIPS
CASING TYPE	2" ϕ PVC	SCREEN TYPE	PVC	INSTALLATION METHOD	POURED
JOINT TYPE	FLUSH	SLOT SIZE	0.010	FILTER PACK QTY.	≈ 7 BAGS
GROUT QUANTITY	—	CENTRALIZERS	—	FILTER PACK TYPE	#1 SAND
GROUTE TYPE	BENTONITE	DRILLING MUD TYPE	—	INSTALLATION METHOD	POURED

ELEV./DEPTH	SOIL/ROCK DESCRIPTION
	GROUND SURFACE
0.0	Loose, lite brown, orange tan SILTY CLAY & SAND (f-m)
22	Wet, loose, grey/white CLAYEY SAND & GRAVEL (f-c sand) (f-m gravel) - some clay stringers
36	FIRM TO STIFF, MOIST TO WET, GREY GREEN SILTY CLAY, tr. f-m sand, micaceous

WELL SKETCH



Advanced pilot boring to determine depth to clay. Re-advanced w/ 6¼" OD augers to ≈ 38' bgs. Pounded out wood plug, installed 28' of PVC riser & 10' of 0.010 slot PVC screen to 37.5' bgs. Installed filter pack to ≈ 24' bgs. Poured bentonite chips to surface - Completed w/ flush mount finish

WELL DEVELOPMENT NOTES

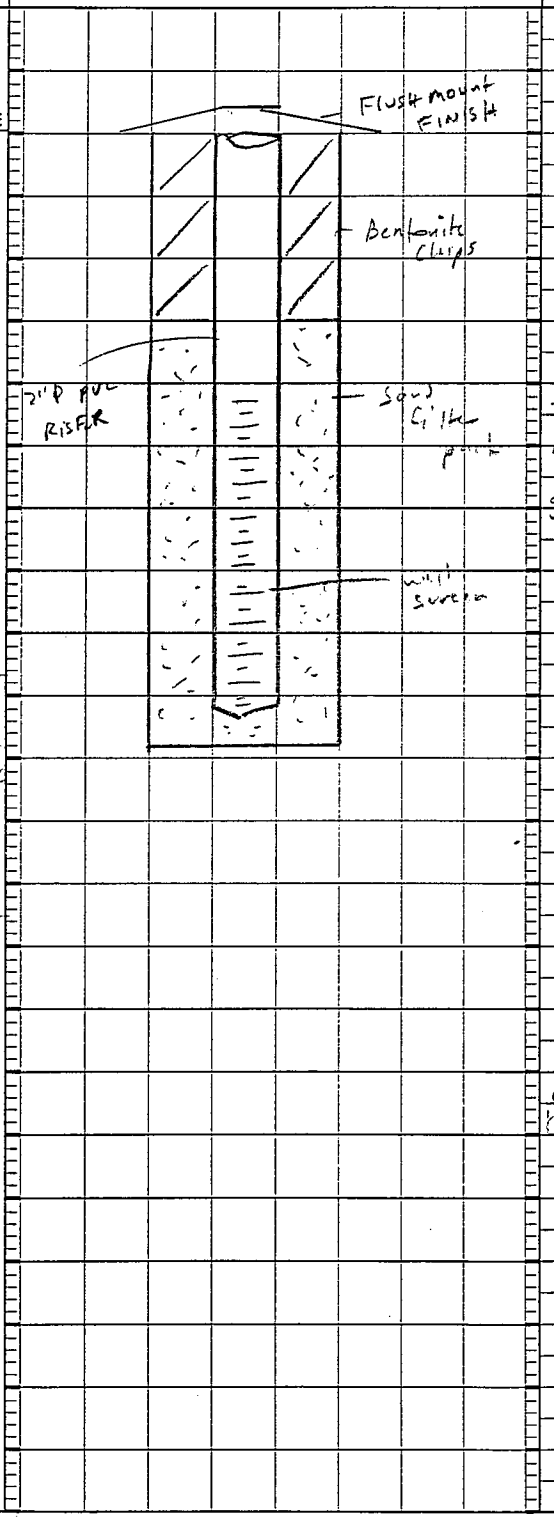
Continuous cycles of surging pumping & bailing - ≈ 50 gallons removed

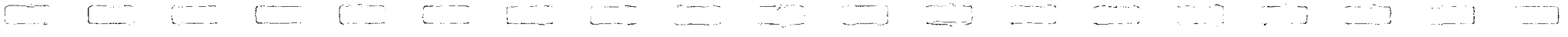
MONITORING WELL INSTALLATION LOG

JOB NO.	953-3825	PROJECT	DF/BRAMPTON ROAD/GA	WELL NO.	GW-12	SHEET	1
GA INSP.	CAH	DRILLING METHOD	HSA - 6¼ OD	GROUND ELEV.	-	WATER DEPTH	5.6
WEATHER	Sun	DRILLING COMPANY	Whittaker	COLLAR ELEV.	-	DATE/TIME	
TEMP.	70°	DRILL RIG	B-53 Mobile DRILLER Ron Wilkerson	STARTED	11:30 3-27-00 TIME / DATE	COMPLETED	3:30 - 3-27-00 TIME / DATE
STATION / OFFSET							

MATERIALS INVENTORY

WELL CASING	2 in. dia. 10 l.f.	WELL SCREEN	2 in. dia. 10 l.f.	BENTONITE SEAL	CHIPS
CASING TYPE	PVC	SCREEN TYPE	PVC	INSTALLATION METHOD	POURED
JOINT TYPE	FLUSH	SLOT SIZE	0.010	FILTER PACK QTY.	≈ 5 bags
GROUT QUANTITY	-	CENTRALIZERS	-	FILTER PACK TYPE	#1 SAND
GROUTE TYPE	Bentonite Pellets	DRILLING MUD TYPE	-	INSTALLATION METHOD	POURED

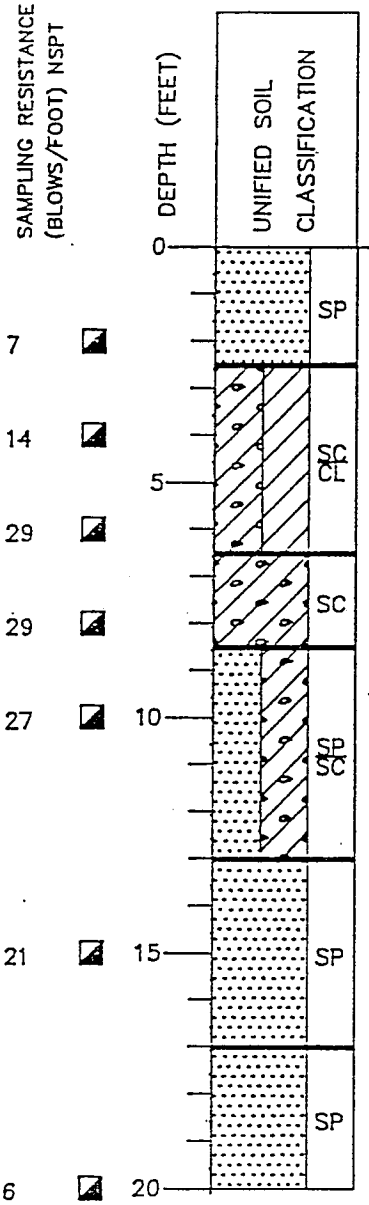
ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	
	GROUND SURFACE		
0.0			Advanced PILOT BORING TO
2	Moist, firm, orange, white, tan mottled SILTY CLAY and SAND (Fill) w/ intermittent sandier layers - becomes wet @ ≈ 6' bgs		determine depth in clay. Re-advanced w/ 6¼" OD augers to ≈ 19' bgs (clay encountered ≈ 17.5') POURED soft plug, installed 10' of 0.010 slot PVC screen and 10' of 2" ϕ PVC riser to surface. Installed filter pack to ≈ 6' bgs - poured & hydrated bentonite chips to ground surface. Completed w/ flush mount finish
4			
6			
8			
10			
12	SAA, increased clay content, lenses of sand & clay		
14			
16			
18	Firm to stiff, moist to wet, grey-green SILTY CLAY, micaceous (Berryville)		
20			
22			
24			
	End of PILOT BORING		
			WELL DEVELOPMENT NOTES
			Continuous cycles of pumping & surging w/ bailer/pump ≈ 40 gallons removed (well went dry periodically, allowed recovery)



BORING B-1

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 9.5 FEET DEPTH



DESCRIPTION	BKG	OVA
BROWN SAND, TRACE ROOTS, SILTY, FINE TO VERY FINE GRAINED	1.0	7.4
GRAY CLAY, MOTTLED WITH RED CLAY, SANDY	1.0	1.0
	1.0	1.6
LIGHT GRAY CLAYEY SAND, FINE TO VERY FINE GRAINED WITH TRACE MUSCOVITE	4.0	32
LIGHT GRAY SAND, FINE TO VERY FINE GRAINED, TRACE MUSCOVITE, TRACE TO LITTLE CLAY	4.0	120
YELLOWISH TAN SAND, FINE TO VERY FINE GRAINED	4.0	80
ORANGISH TAN SAND, FINE TO VERY FINE GRAINED	1.0	7.6

BORING TERMINATED AT 20.0 FEET ON 10/28/87

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- ⊠ DISTURBED SAMPLE
- ■ UNDISTURBED SAMPLE
- □ NO SAMPLE RECOVERED
- ◪ STANDARD PENETRATION TEST
- ⊽ WATER LEVEL

LOG OF BORING

PROJECT: RHEEM DRUM
LOCATION: SAVANNAH, GEORGIA

DAMES & MOORE
PLATE 2

D & M JOB NO. 16298-001-049

BY TATA DATE 11/24/87

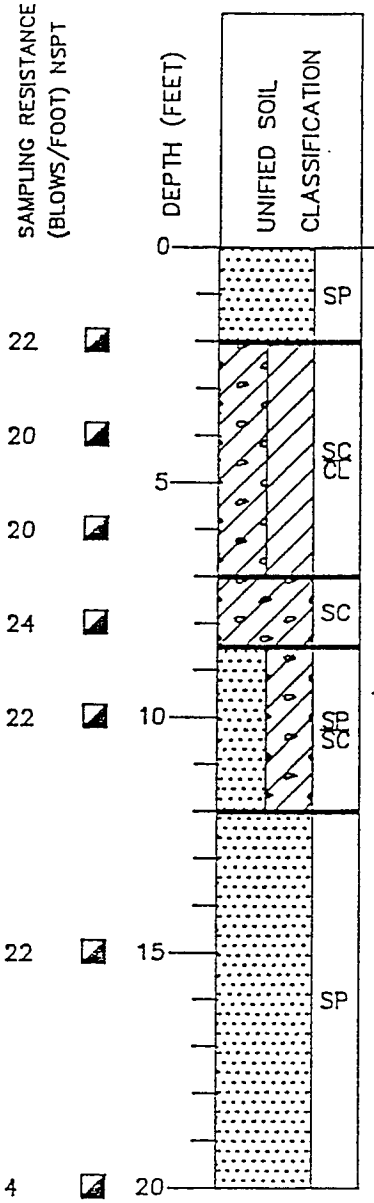
CHECKED BY BELL

REVISIONS BY DATE

BORING B-2

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 9.5 FEET DEPTH



SAMPLING RESISTANCE (BLOWS/FOOT) NSPT	DEPTH (FEET)	UNIFIED SOIL CLASSIFICATION	DESCRIPTION	BKG	OVA
	0	SP	SAND, LIGHT BROWN, FINE TO VERY FINE GRAINED, TRACE ROOTS		
22				1.0	0.8
		SC CL	GRAY CLAY MOTTLED WITH RED CLAY, SANDY, TRACE MUSCOVITE		
20				1.0	1.0
	5				
20				1.0	1.0
		SC	LIGHT GRAY CLAYEY SAND, FINE TO VERY FINE GRAINED, TRACE MUSCOVITE		
24				2.0	12
		SP SC	LIGHT GRAY SAND, FINE TO VERY FINE GRAINED, TRACE TO LITTLE CLAY, TRACE MUSCOVITE		
22	10			4.0	28
		SP	GRAY SAND, FINE TO VERY FINE GRAINED, TRACE MUSCOVITE, LITTLE YELLOWISH TAN SAND WITH DEPTH		
22	15			4.0	30
			GRAY SAND, FINE TO VERY FINE GRAINED, TRACE MUSCOVITE AND TRACE CLAY		
4	20			2.0	12

BORING TERMINATED AT 20.0 FEET ON 10/29/87

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- ⊠ DISTURBED SAMPLE
- ■ UNDISTURBED SAMPLE
- □ NO SAMPLE RECOVERED
- ◪ STANDARD PENETRATION TEST
- ▼ WATER LEVEL

LOG OF BORING

PROJECT: RHEEM DRUM
LOCATION: SAVANNAH, GEORGIA

DAMES & MOORE
PLATE 3

D & M JOB NO. 16298-001-049

CHECKED BY BELL

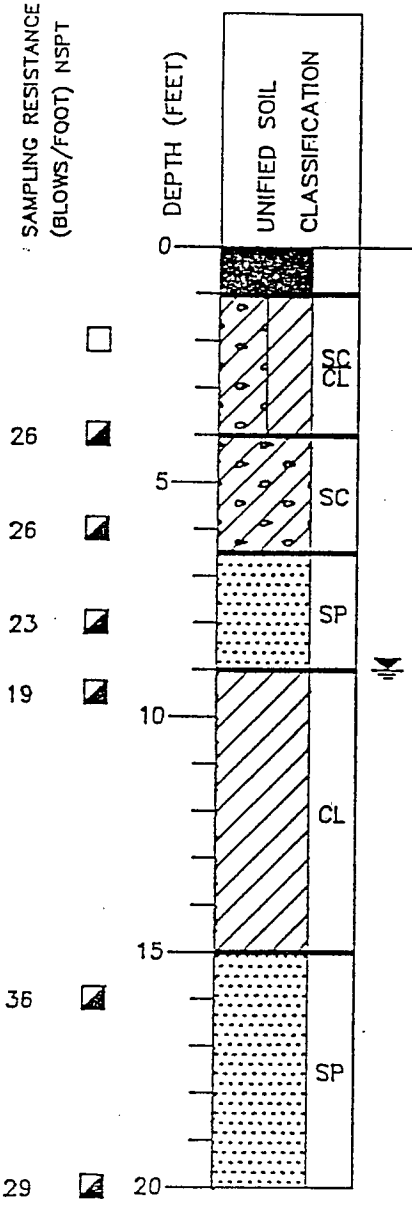
BY A TE 1 /87

REVISIONS BY DATE

BORING B-3 (WELL 1)

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 9.0 FEET DEPTH



DESCRIPTION	BKG	OVA
ASPHALT AND BASE COURSE		
GRAY CLAY MOTTLED WITH RED CLAY, SANDY, TRACE MUSCOVITE		
GRAY CLAY, SANDY, MOTTLED WITH YELLOWISH ORANGE CLAYEY SAND	10	950
	10	> 1000
LIGHT GRAY SAND, FINE TO VERY FINE GRAINED, TRACE CLAY WITH ORANGE FINE SAND		
	10	820
GRAY CLAY MOTTLED WITH RED CLAY, TRACE MUSCOVITE	10	880
LIGHT GRAY SAND, FINE TO VERY FINE GRAINED	20	380
	2.0	32

BORING TERMINATED AT 20.0 FEET ON 10/29/87

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- ⊠ DISTURBED SAMPLE
- ■ UNDISTURBED SAMPLE
- □ NO SAMPLE RECOVERED
- ◪ STANDARD PENETRATION TEST
- ⏷ WATER LEVEL

LOG OF BORING

PROJECT: RHEEM DRUM
LOCATION: SAVANNAH, GEORGIA

DAMES & MOORE
PLATE 4

D & M JOB NO. 16298-001-049

BY TATA DATE 11/24/87

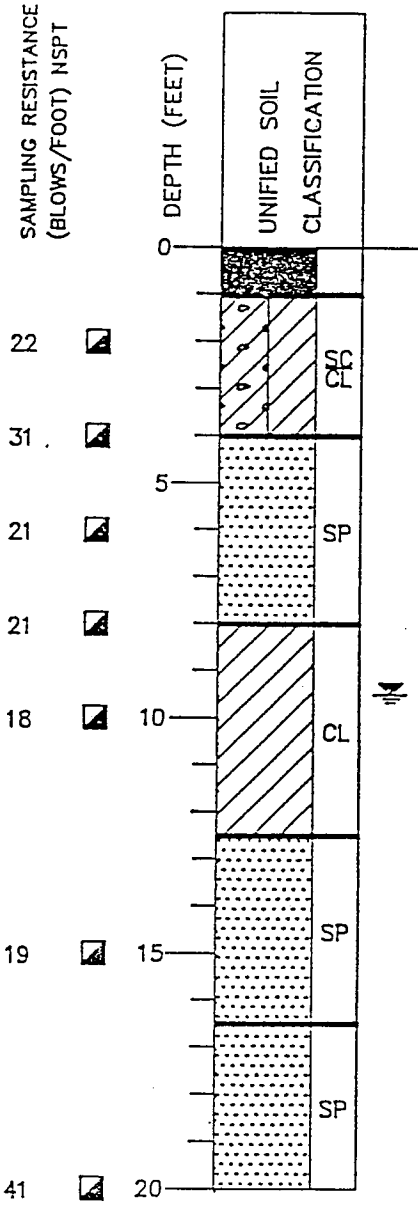
CHECKED BY BELL

REVISIONS BY DATE

BORING B-4

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 9.5 FEET DEPTH



DESCRIPTION	BKG	OVA
ASPHALT AND BASE COURSE		
GRAY CLAY MOTTLED WITH RED CLAY, SANDY, TRACE MUSCOVITE	2.0	50
LIGHT YELLOWISH ORANGE SAND, FINE TO VERY FINE GRAINED, TRACE SILT	2.0	4.8
	2.0	72
GRAY CLAY MOTTLED WITH RED CLAY, TRACE SAND	10	250
	20	340
LIGHT GRAY SAND, FINE TO VERY FINE GRAINED	10	88
ORANGISH TAN SAND, FINE TO MEDIUM GRAINED	5.0	42

BORING TERMINATED AT 20.0 FEET ON 10/30/87

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- ⊠ DISTURBED SAMPLE
- ■ UNDISTURBED SAMPLE
- □ NO SAMPLE RECOVERED
- ◪ STANDARD PENETRATION TEST
- ⊀ WATER LEVEL

LOG OF BORING

PROJECT: RHEEM DRUM
LOCATION: SAVANNAH, GEORGIA

DAMES & MOORE
PLATE 5

D & M JOB NO. 16298-001-049

CHECKED BY BELL

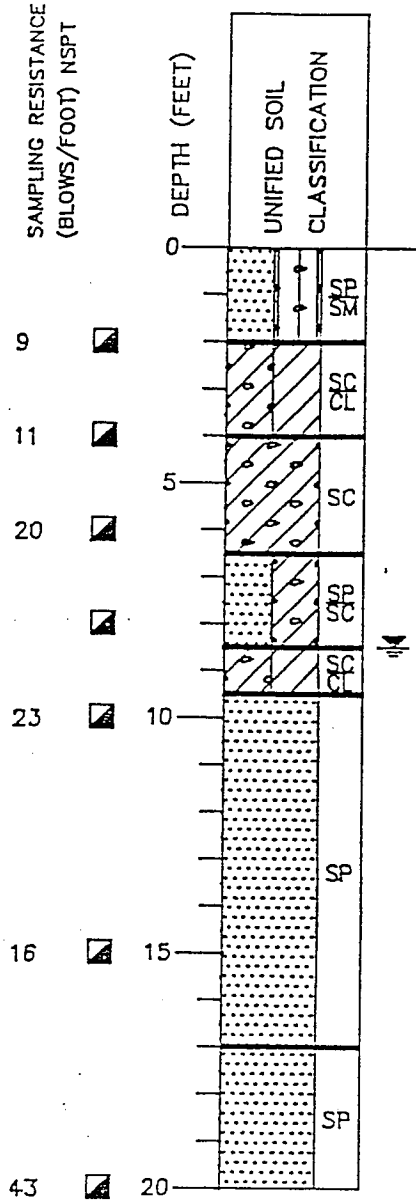
BY TAIK DATE 11/24/87

REVISIONS BY DATE

BORING B-5 (WELL 2)

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 8.5 FEET DEPTH



DESCRIPTION	BKG	OVA
DARK BROWN SAND, SILTY, TRACE ROOTS		
GRAY CLAY MOTTLED WITH RED CLAY, SANDY WITH TRACE MUSCOVITE	1.0	2.4
GRAY SAND MOTTLED WITH RED SAND, FINE TO VERY FINE GRAINED, CLAYEY WITH TRACE MUSCOVITE	1.0	220
	10	48
REDDISH ORANGE SAND, FINE TO VERY FINE GRAINED, SOME CLAY	4.0	22
GRAY CLAY MOTTLED WITH RED CLAY, SANDY WITH TRACE MUSCOVITE		
LIGHT GRAY SAND, FINE TO VERY FINE GRAINED WITH YELLOWISH ORANGE FINE TO VERY FINE GRAINED SAND	4.0	46
GRADING WITH MORE YELLOWISH ORANGE FINE TO VERY FINE SAND	4.0	56
LIGHT TAN SAND, FINE TO COARSE GRAINED, QUARTZ WITH 0.125" TO 0.25" QUARTZ GRAVEL	4.0	5.0

BORING TERMINATED AT 20.0 FEET ON 10/30/87

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- ⊠ DISTURBED SAMPLE
- ■ UNDISTURBED SAMPLE
- □ NO SAMPLE RECOVERED
- ◪ STANDARD PENETRATION TEST
- ⊽ WATER LEVEL

LOG OF BORING

PROJECT: RHEEM DRUM
LOCATION: SAVANNAH, GEORGIA

DAMES & MOORE
PLATE 6

D & M JOB NO. 16298-001-049

BY TATA DATE 11/24/87

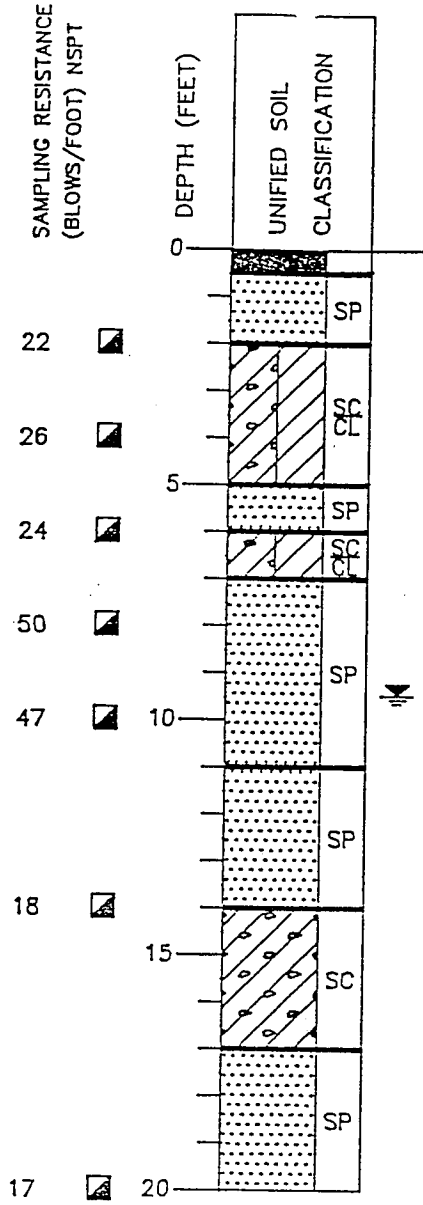
CHECKED BY BELL

REVISIONS BY DATE

BORING B-6 (WELL 3)

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 9.5 FEET DEPTH



DESCRIPTION	BKG	OVA
FILL GRAY SAND, FINE TO VERY FINE GRAINED, TRACE SILT	4.0	22
GRAY CLAY MOTTLED WITH RED CLAY, SANDY WITH TRACE MUSCOVITE	4.0	280
GRAY SAND, FINE TO VERY FINE GRAINED WITH RED SAND	4.0	130
GRAY CLAY MOTTLED WITH RED CLAY, SANDY WITH TRACE MUSCOVITE		
LIGHT GRAY SAND, FINE TO VERY FINE GRAINED WITH YELLOWISH ORANGE SAND, FINE TO VERY FINE GRAINED	4.0	78
	4.0	220
LIGHT TAN SAND, FINE TO COARSE GRAINED QUARTZ WITH 0.125" TO 0.25" QUARTZ GRAVEL		
YELLOWISH ORANGE SANDY CLAY	4.0	18
LIGHT YELLOWISH ORANGE SAND, FINE TO VERY FINE GRAINED	4.0	20

BORING TERMINATED AT 20.0 FEET ON 10/30/87

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- ⊠ DISTURBED SAMPLE
- ■ UNDISTURBED SAMPLE
- □ NO SAMPLE RECOVERED
- ◪ STANDARD PENETRATION TEST
- ⊽ WATER LEVEL

LOG OF BORING

PROJECT: RHEEM DRUM
LOCATION: SAVANNAH, GEORGIA

DAMES & MOORE
PLATE 7

D & M JOB NO. 16298-001-049

CHECKED BY BELL

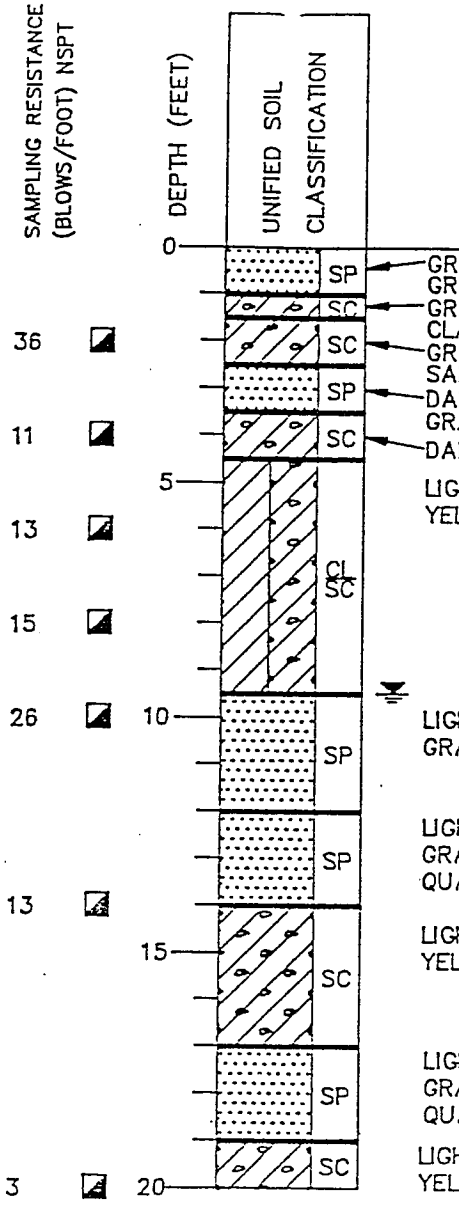
BY [illegible] DATE 11/24/87

REVISIONS BY DATE

BORING B-7 (WELL 4)

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 9.5 FEET DEPTH



DESCRIPTION	BKG	OVA
GRAY SAND, FINE TO VERY FINE GRAINED, TRACE ROOTS		
GRAY CLAYEY SAND MOTTLED WITH RED CLAYEY SAND		
GRAY CLAY MOTTLED WITH RED CLAY, SANDY WITH TRACE MUSCOVITE	2.0	28
DARK GRAY SAND, FINE TO VERY FINE GRAINED, TRACE SILT		
DARK GRAY SANDY CLAY	20	> 1000
LIGHT GRAY CLAY MOTTLED WITH YELLOWISH ORANGE SANDY CLAY	10	300
	10	84
LIGHT GRAY SAND, FINE TO VERY FINE GRAINED	4.0	24
LIGHT TAN SAND, FINE TO COARSE GRAINED QUARTZ WITH 0.125" TO 0.25" QUARTZ GRAVEL		
LIGHT GRAY CLAY MOTTLED WITH YELLOWISH ORANGE CLAY, SANDY	4.0	56
LIGHT TAN SAND, FINE TO COARSE GRAINED QUARTZ WITH 0.125" TO 0.25" QUARTZ GRAVEL		
LIGHT GRAY CLAY MOTTLED WITH YELLOWISH ORANGE CLAY, SANDY	4.0	30

BORING TERMINATED AT 20.0 FEET ON 10/31/87

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- ⊠ DISTURBED SAMPLE
- ■ UNDISTURBED SAMPLE
- □ NO SAMPLE RECOVERED
- ◪ STANDARD PENETRATION TEST
- ⌯ WATER LEVEL

LOG OF BORING

PROJECT: RHEEM DRUM
LOCATION: SAVANNAH, GEORGIA

DAMES & MOORE
PLATE 8

D & M JOB NO. 16298-001-049

BY TATA DATE 11/24/87

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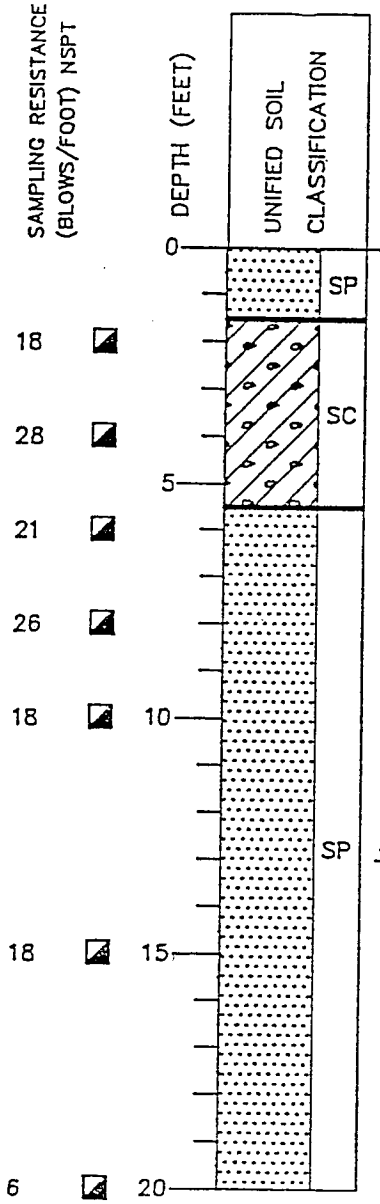
REVISIONS BY DATE

BORING B-8 (WELL 5)

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 13.0 FEET DEPTH



DESCRIPTION	BKG	OVA
LIGHT BROWN SAND, FINE TO VERY FINE GRAINED		
GRAY CLAYEY SAND MOTTLED WITH RED CLAYEY SAND	1.0	1.0
	1.0	1.1
GRAY SAND, FINE TO VERY FINE GRAINED WITH LIGHT YELLOWISH ORANGE SAND, FINE TO VERY FINE GRAINED	1.0	1.7
	1.0	1.6
	1.0	1.2
	1.0	16
	1.0	7.0

BORING TERMINATED AT 20.0 FEET ON 10/31/87

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- ⊠ DISTURBED SAMPLE
- ■ UNDISTURBED SAMPLE
- □ NO SAMPLE RECOVERED
- ◪ STANDARD PENETRATION TEST
- ⌁ WATER LEVEL

LOG OF BORING

PROJECT: RHEEM DRUM
LOCATION: SAVANNAH, GEORGIA

DAMES & MOORE
PLATE 9

D & M JOB NO. 16298-001-049

CHECKED BY BELL

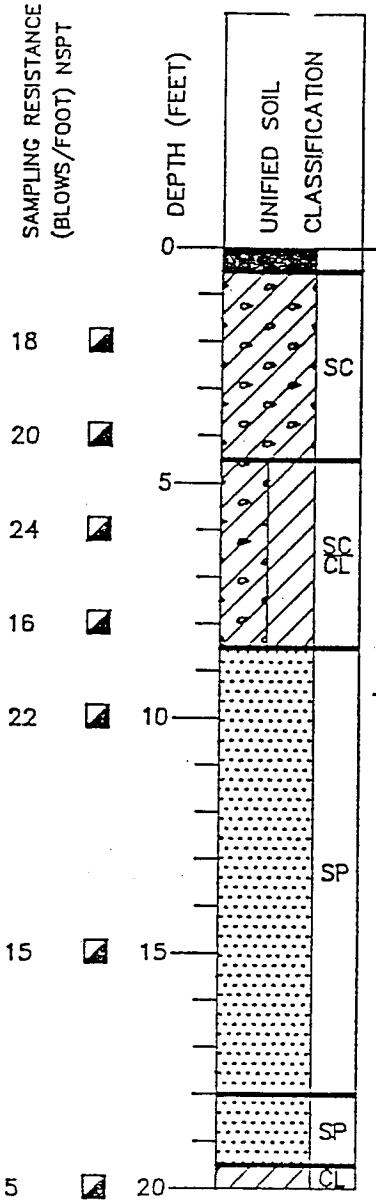
BY DATE

REVISIONS BY DATE

BORING B-9 (WELL 6)

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 9.5 FEET DEPTH



DESCRIPTION	BKG	OVA
FILL GRAY CLAYEY SAND MOTTLED WITH RED CLAYEY SAND, TRACE MUSCOVITE	1.0	1.2
	1.0	1.2
GRAY CLAY WITH SOME RED CLAY, SANDY WITH TRACE MUSCOVITE	1.0	1.3
GRADING MORE SANDY	1.0	4.0
LIGHT GRAY SAND, FINE TO VERY FINE GRAINED WITH YELLOWISH ORANGE SAND, FINE TO VERY FINE GRAINED, TRACE CLAY	2.0	24
	2.0	12
LIGHT TAN SAND, FINE TO COARSE GRAINED QUARTZ WITH 0.125" TO 0.25" QUARTZ GRAVEL		
LIGHT GRAY CLAY	1.0	5.4

BORING TERMINATED AT 20.0 FEET ON 10/31/87

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- ⊠ DISTURBED SAMPLE
- ■ UNDISTURBED SAMPLE
- □ NO SAMPLE RECOVERED
- ◪ STANDARD PENETRATION TEST
- ⌯ WATER LEVEL

LOG OF BORING

PROJECT: RHEEM DRUM
LOCATION: SAVANNAH, GEORGIA

DAMES & MOORE
PLATE 10

D & M JOB NO. 16298-001-049

BY TMA DATE 11/24/87

CHECKED BY BELL

REVISIONS BY DATE

ATLANTA ENVIRONMENTAL MANAGEMENT, INC.
MONITORING WELL LOG

Date: 9/10/92

Owner: Georgia Drum
Well No.: MW-4
Location: Garden City, Georgia

Driller: Jim McClain
Geologist: Tony Gordon
Drilling Method: Hollow Stem Auger

Screened From: 5.0 ft. to 15.0 ft.
Gravel Pack: 20-30 mesh to 3.0 ft.
Bentonite Seal: 1.0 ft. to 3.0 ft.
Concrete Seal from 1.0 ft. to surface
Water Level: 6.52 ft. below well top
Well top elevation: _____ ft.

Depth (feet) From	To	Lithology	Remarks
0.0	3.0	CH-CL - Firm, gray, red brown, mottled, CLAY,	Sample #1(3.0 ft.)
		15-25% very fine-fine sand, medium plasticity	
	5.0	CL-SAA, low plasticity	Sample #2(5.0 ft.)
	7.0		(Hydrocarbon odor)
7.0		SC - Soft, gray, greenish gray, clayey SAND,	Hydrocarbon Odor
		low plasticity, wet	
	11.0		
11.0		CH - Stiff, gray, orange brown, mottled fatty	Hydrocarbon Odor
		clay, 5-10% very fine sand, high plasticity,	
		wet	
	13.0		
13.0		SC - Soft, gray, clayey, very fine-fine SAND,	Hydrocarbon Odor
		medium plasticity, wet	
	15.0		
15.0		CL - Firm, gray CLAY, 20-30% very fine sand,	Hydrocarbon Odor
		low plasticity	
	16.0		
	16.0	Terminate Soil Boring	

Remarks:

ATLANTA ENVIRONMENTAL MANAGEMENT, INC.
MONITORING WELL LOG

Date: 9/10/92

Owner: Georgia Drum
Well No.: MW-2
Location: Garden City, Georgia

Driller: Paul Clawson
Geologist: Tony L. Gordon
Drilling Method: Hollow Stem Augers

Screened From: 5.0 ft. to 15.0 ft.
Gravel Pack: 20-30 mesh to 3.0 ft.
Bentonite Seal: 1.0 ft. to 3.0 ft.
Concrete Seal from 1.0 ft. to surface
Water Level: 6.97 ft. below well top
Well top elevation: _____ ft.

Depth (feet) From	To	Lithology	Remarks
0.0	3.0	CH - Firm, red brown, gray, mottled, clay,	No Odors
		10-15% very fine-fine sand, high plasticity	
	4.5		
4.5	6.0	SC - Gray, gray-tan, very clayey, very fine-	Hydrocarbon Odor
		fine sand, low-medium plasticity, moist	
	9.0		
9.0		CH - Stiff, orange brown, CLAY, 5-10% very	Hydrocarbon Odor
		fine sand, high plasticity, moist/wet	
	13.0		
13.0		SC - Soft, gray, clayey, very fine-fine SAND	Hydrocarbon Odor
		medium plasticity, wet	
	15.5	Terminate Soil Boring	

Remarks:

ATLANTA ENVIRONMENTAL MANAGEMENT, INC.
PIEZOMETER WELL LOG

Date: 9/3/92

Owner: Georgia Drum
Well No.: P-3
Location: Garden City, Georgia

Driller: Paul Clawson
Geologist: Tony L. Gordon
Drilling Method: Hollow Stem Augers

Screened From: 4.0 ft. to 14.0 ft.
Gravel Pack: 20-30 mesh to 3.0 ft.
Bentonite Seal: 1.0 ft. to 3.0 ft.
Concrete Seal from 1.0 ft. to surface
Water Level: 3.93 ft. below well top
Well top elevation: _____ ft.

Depth (feet) From	To	Lithology	Remarks
0.0	4.0	SC - Soft, orange brown, gray, mottled,	Sample #1
		clayey, very fine-fine SAND, low plasticity,	(4.0-6.0 ft.)
		wet	
	9.0	SC - Same as above (SAA), wet	Sample #2
			(9.0-11.0 ft.)
	10.6		
10.6	14.0	CH - Stiff, gray, orange brown, mottled,	Sample #3
		fatty clay, 10-15% very fine-fine sand, high	(14.0-16.0 ft.)
		plasticity, wet	
	16.0	Terminante Soil Boring	

Remarks:

ATLANTA ENVIRONMENTAL MANAGEMENT, INC.
PIEZOMETER WELL LOG

Date: 9/2/92

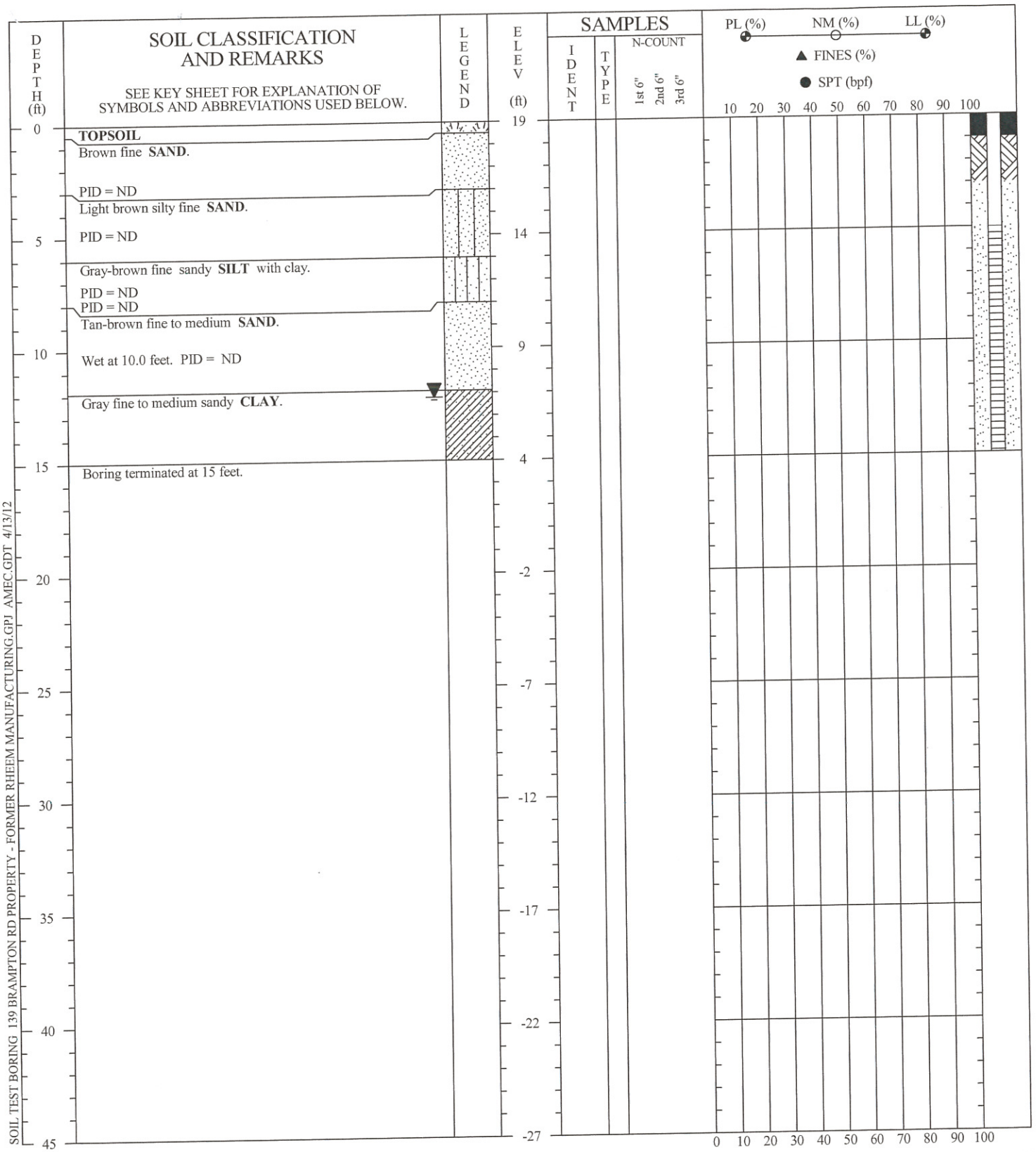
Owner: Georgia Drum
Well No.: P-1
Location: Garden City, Georgia

Driller: Paul Clawson
Geologist: Tony L. Gordon
Drilling Method: Hollow Stem Augers

Screened From: 6.0 ft. to 16.0 ft.
Gravel Pack: 20-30 mesh to 4.0 ft.
Bentonite Seal: 1.8 ft. to 4.0 ft.
Concrete Seal: 1.8 ft. to surface
Water Level: 7.21 ft. below well top
Well top elevation: ft.

Depth (feet) From	To	Lithology	Remarks
0.0	3.0	CH-CL - Firm, gray, red brown, mottled, CLAY,	Sample #1(3.0 Ft.)
		15-20% very fine-fine sand, medium-high	
		plasticity	
	4.5		
4.5		SC - Soft, gray, clayey, very fine-fine SAND,	Sample #2(6.0 Ft.)
		low-medium plasticity	(Hydrocarbon odor)
	8.0		
8.0	9.0	CH-CL - Firm, gray, orange brown, mottled	Sample #3(9.0 Ft.)
		CLAY, 20-30%, very fine-fine sand, medium	(Hydrocarbon odor)
		plasticity, moist	
	12.0		
12.0		SP-Soft, gray, greenish gray, very fine-fine	Sample #4
		SAND, trace clay, non-plastic, wet	(14.0-16.0 Ft.)
			(Hydrocarbon odor)
	16.0	Terminate Soil Boring	

Remarks:



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push/HSA
HOLE DIA.:	2 inches/4.25 ID
REMARKS:	Augered pilot boring using direct push for soil sampling. Readvanced with hollowstem augers for well installation. Stabilized depth to water 12.2 measured on 3/8/12.

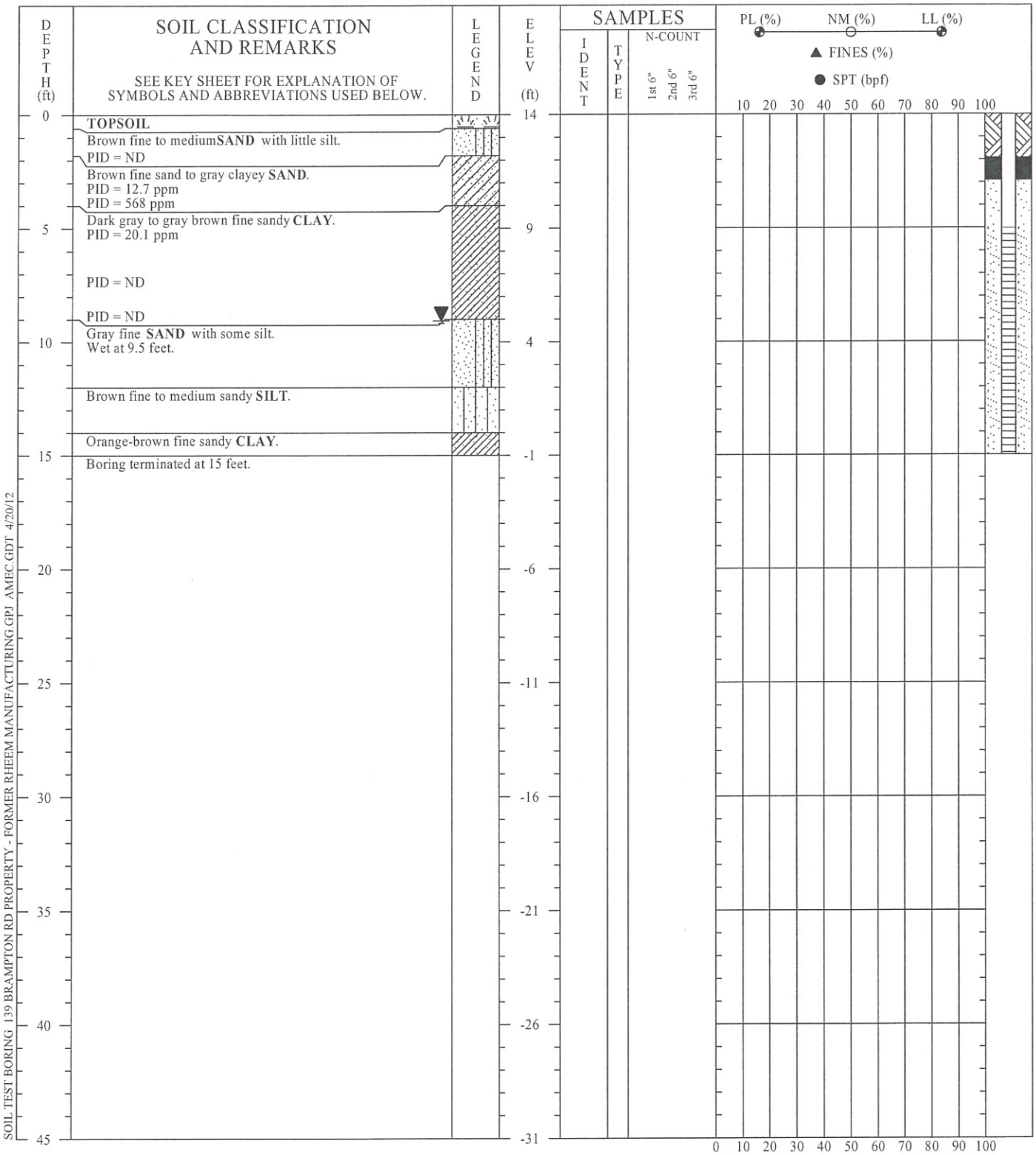
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	EW-1
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 5, 2012
PROJECT NO.:	6121-09-0220

amec



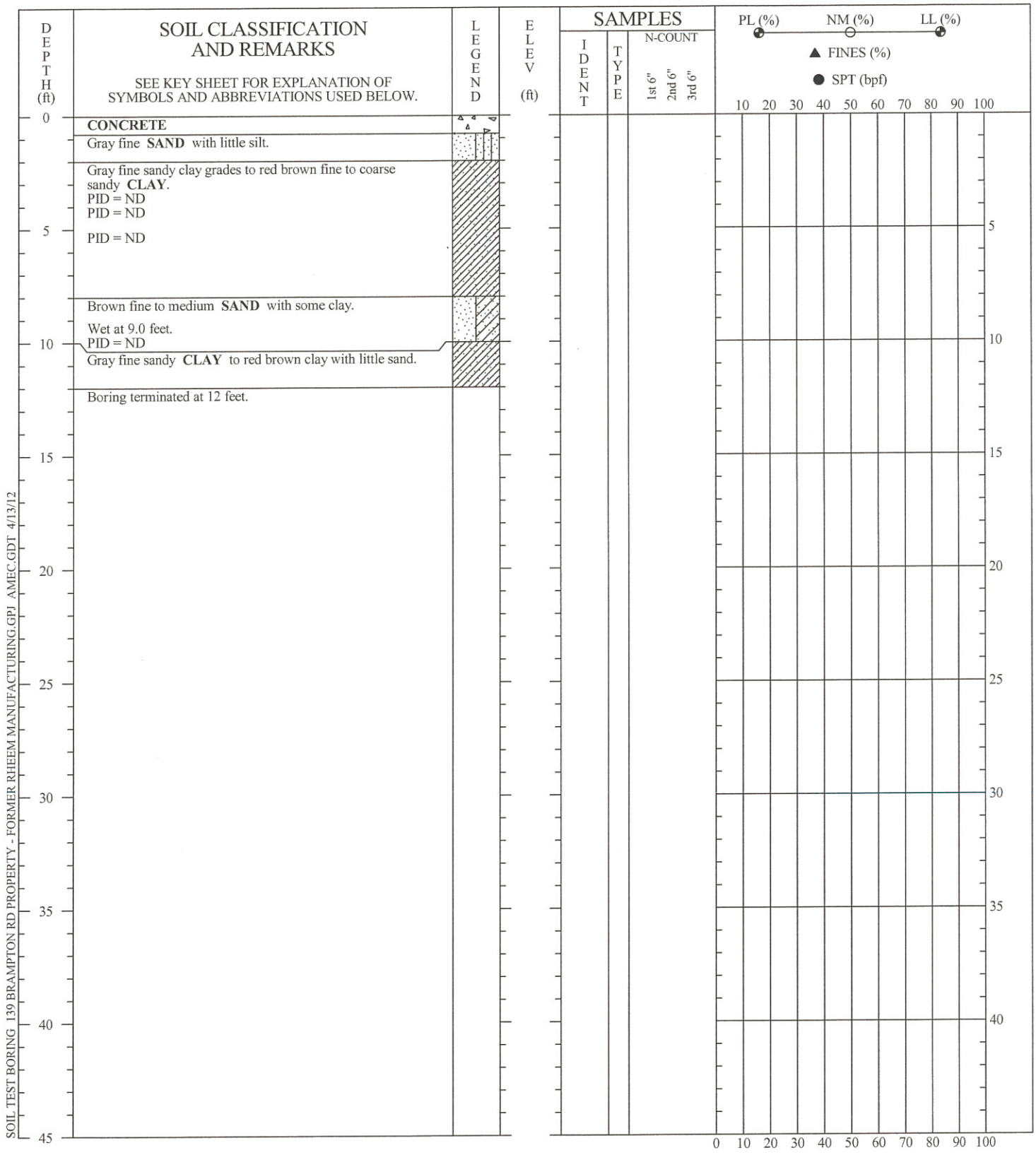
DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push/HSA
HOLE DIA.:	2 inches/4.25 ID
REMARKS:	Augered pilot boring using direct push for soil sampling. Readvanced with hollowstem augers for well installation. Stabilized depth to water 9.06 measured on 3/8/12.

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

BORING NO.: EW-2
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

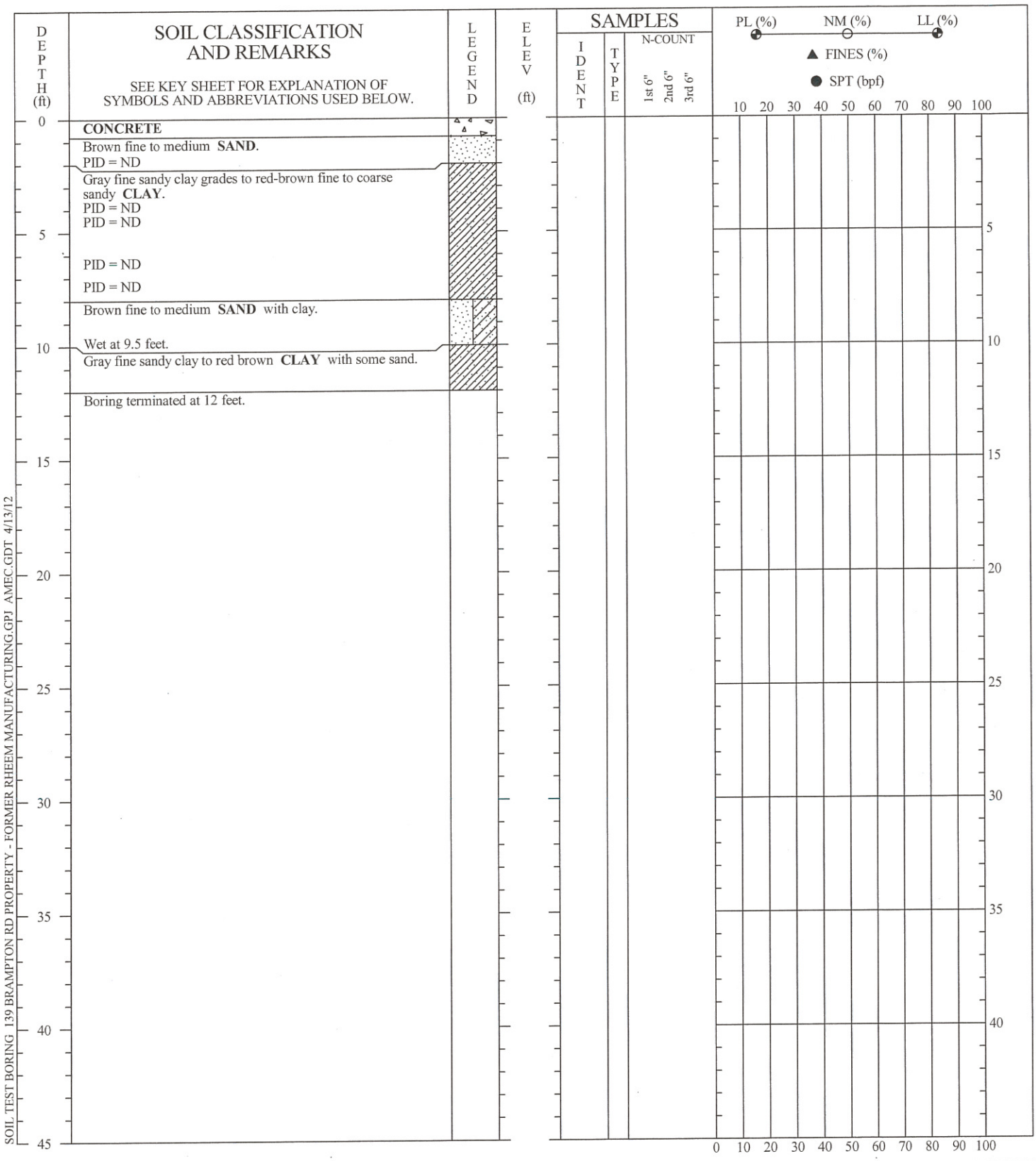
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-01
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 5, 2012
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

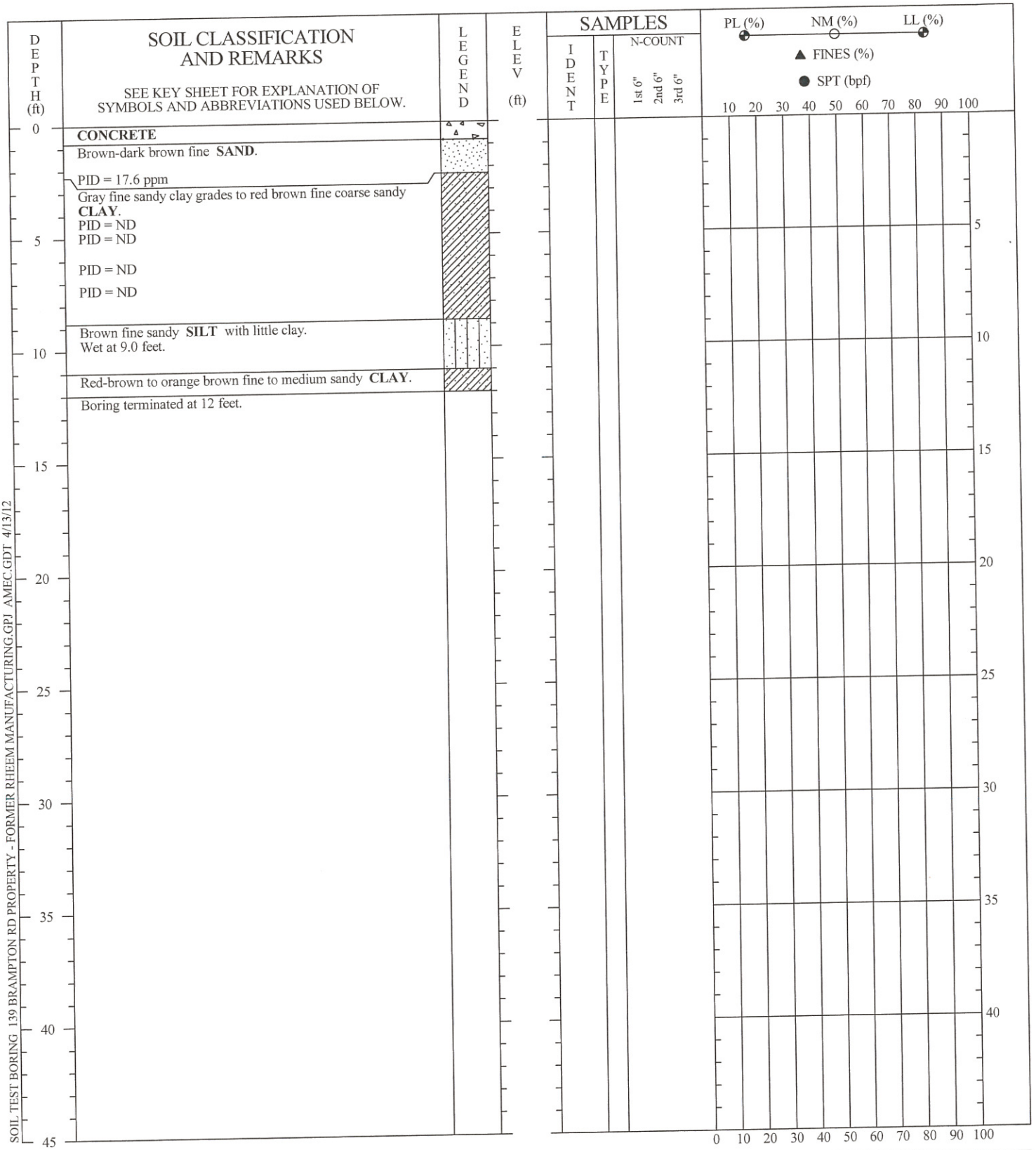
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-02
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 5, 2012
PROJECT NO.: 6121-09-0220

amec



DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

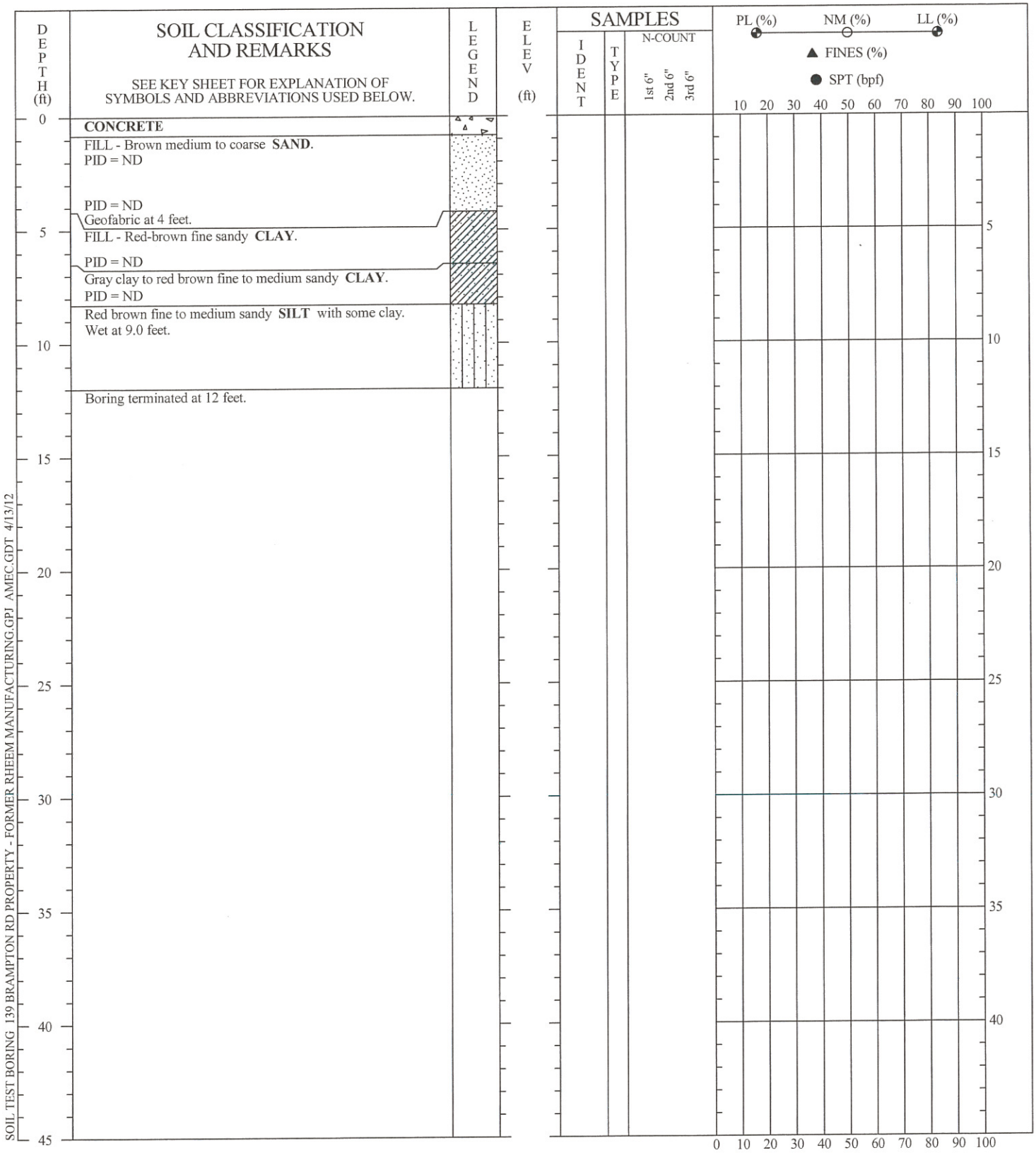
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-03
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 5, 2012
PROJECT NO.: 6121-09-0220

amec



DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

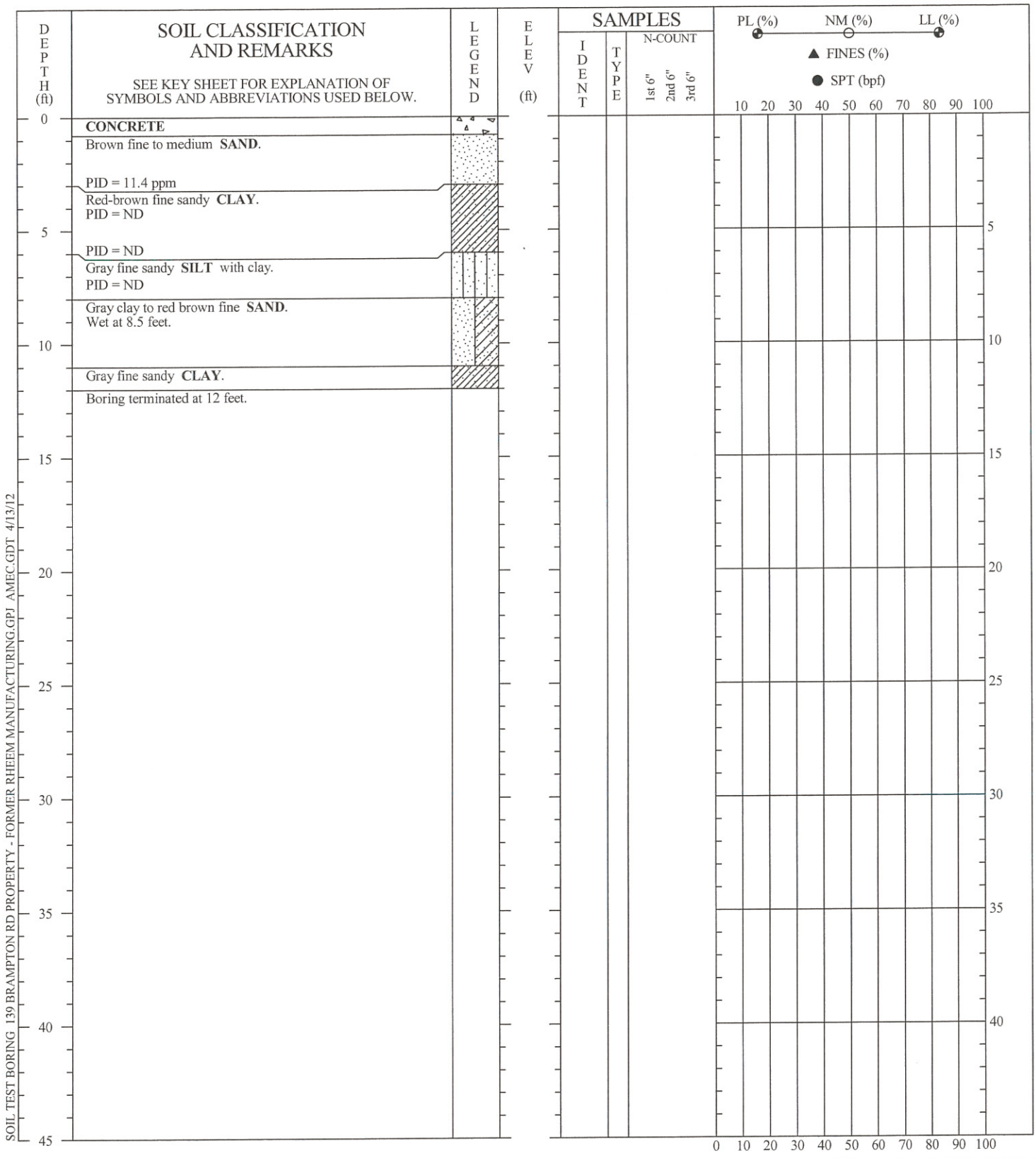
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-04
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 5, 2012
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

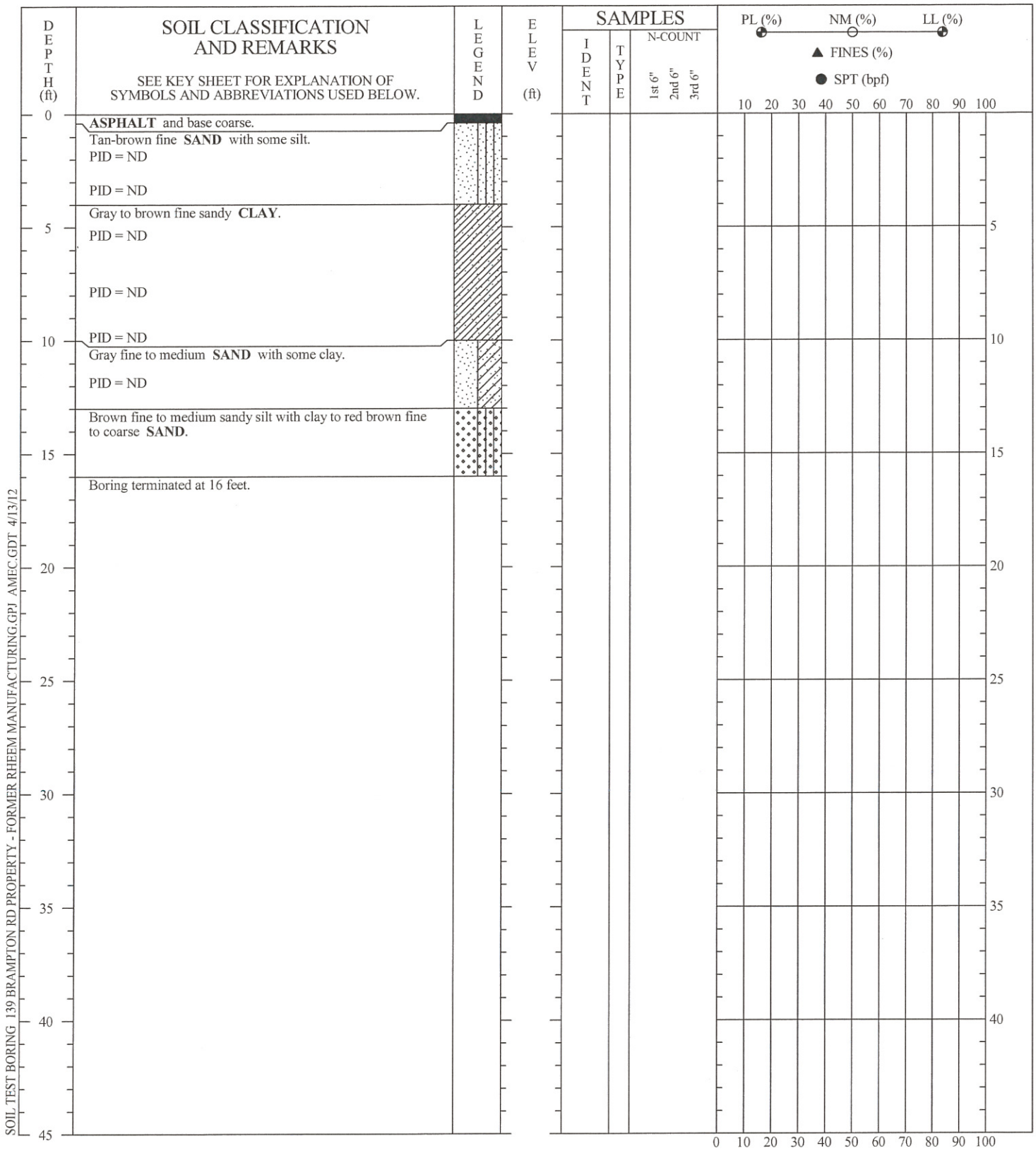
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-05
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 6, 2012
PROJECT NO.:	6121-09-0220

amec



DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-06
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

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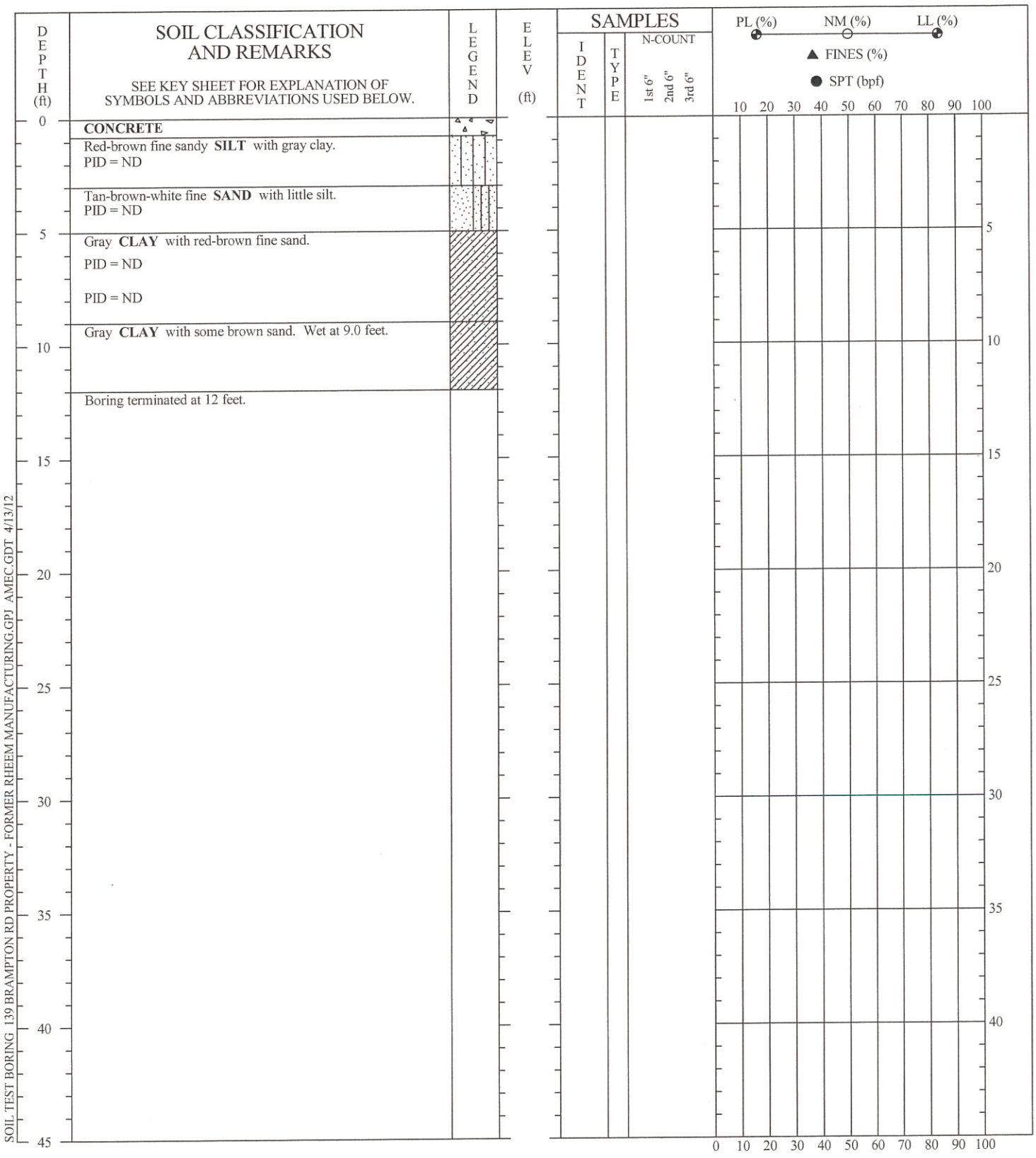

DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.:
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-07
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

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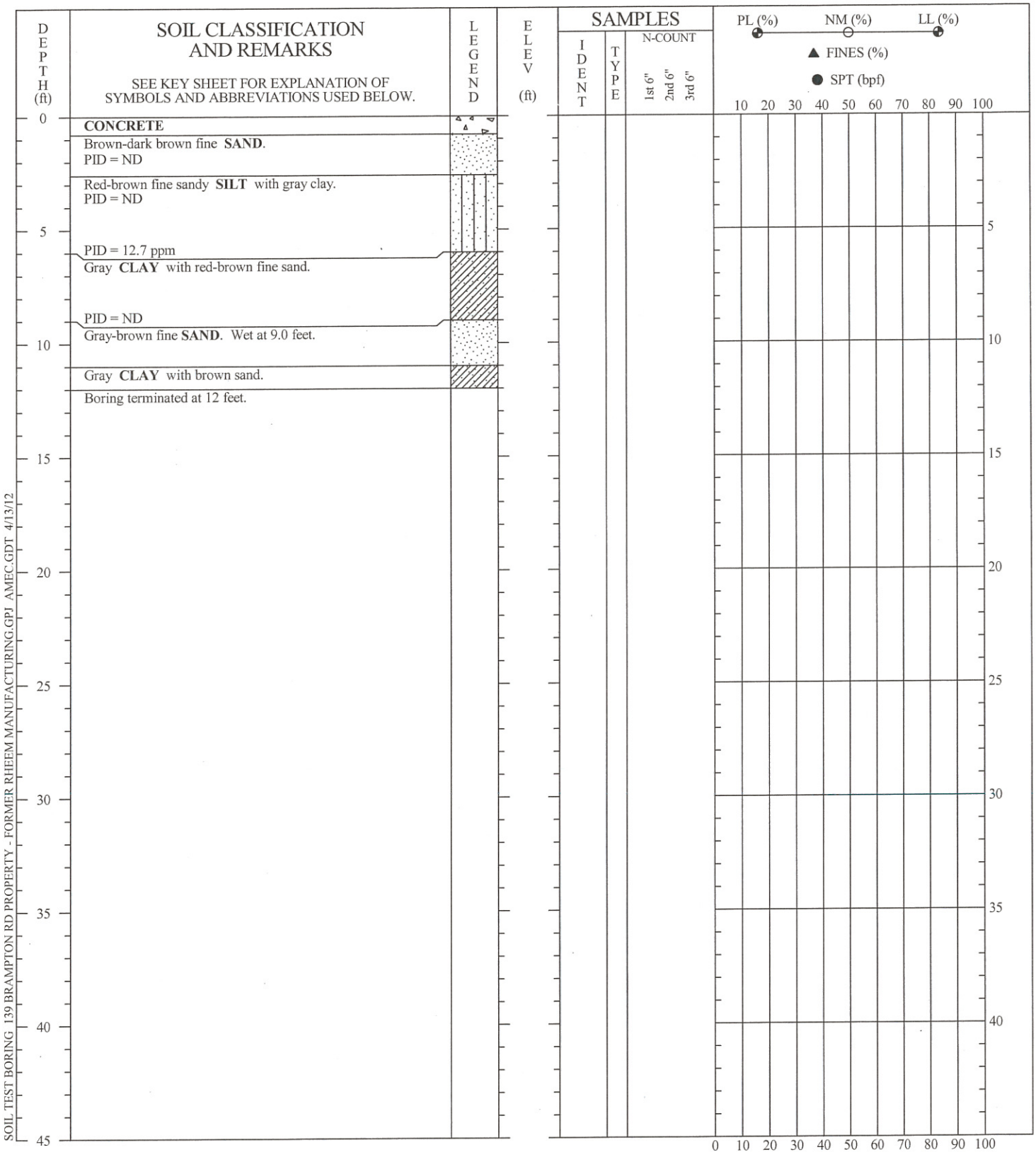


SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

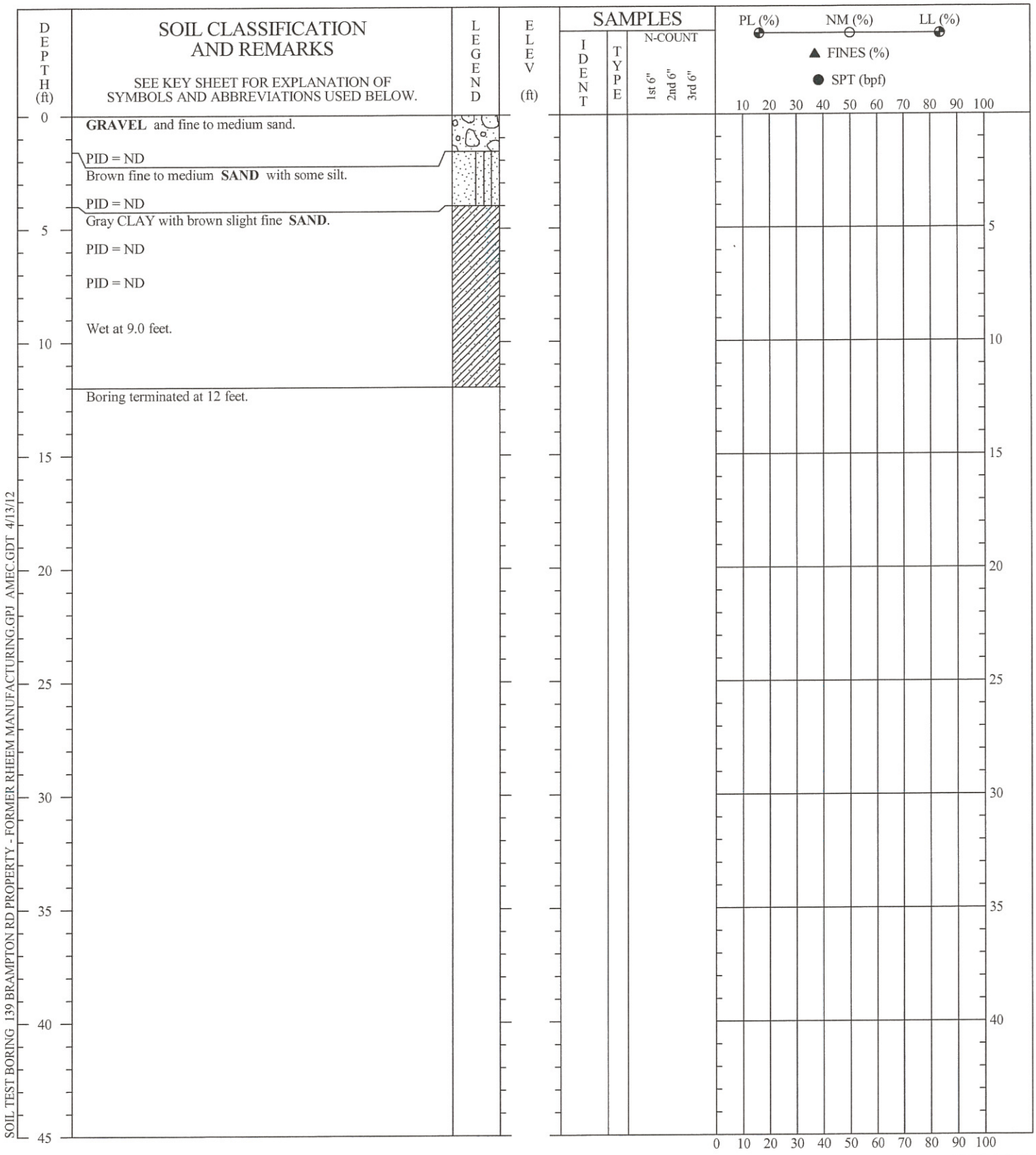
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-08
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 6, 2012
PROJECT NO.:	6121-09-0220

amec



DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

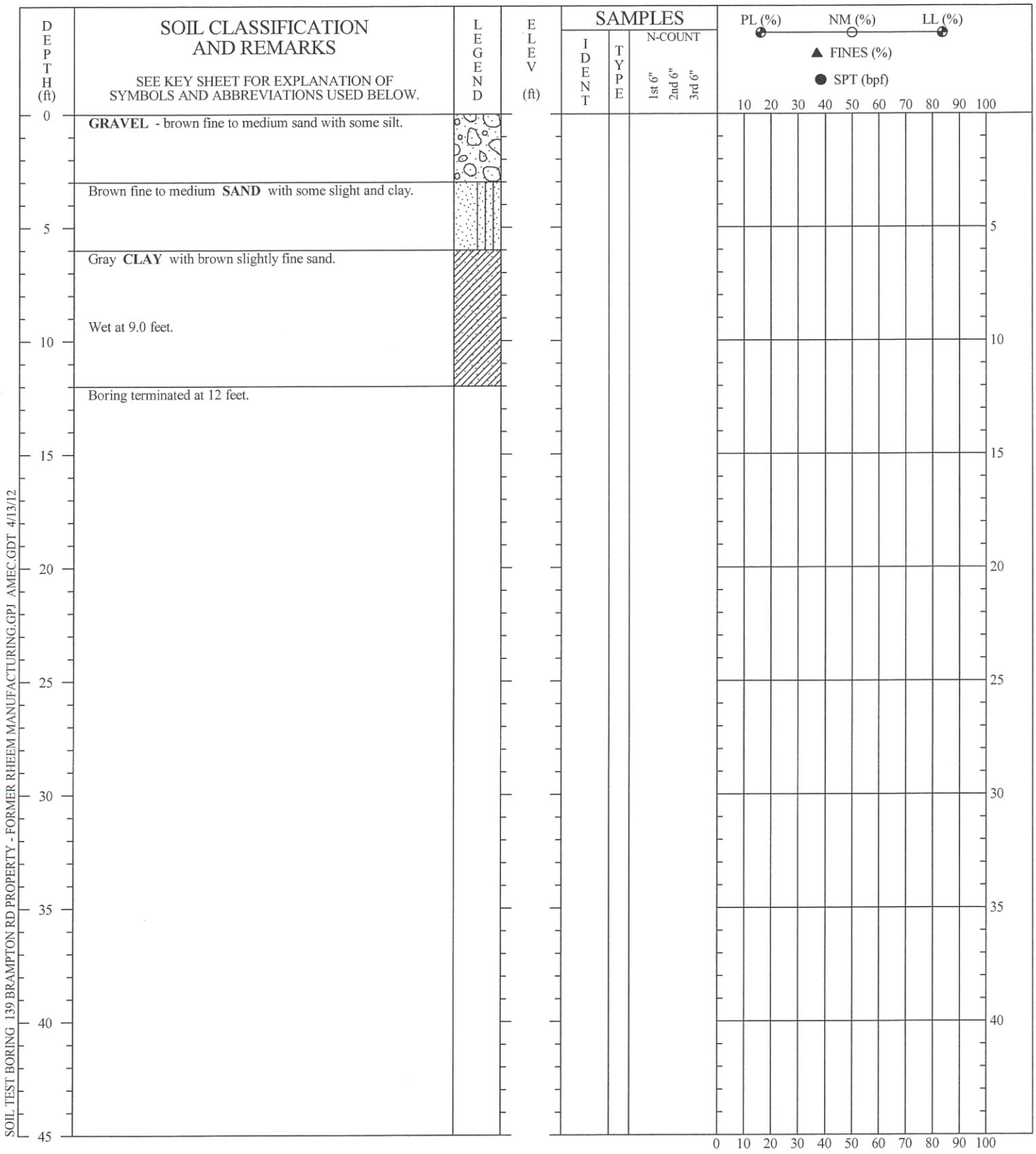
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-09
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 6, 2012
PROJECT NO.:	6121-09-0220

amec



DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

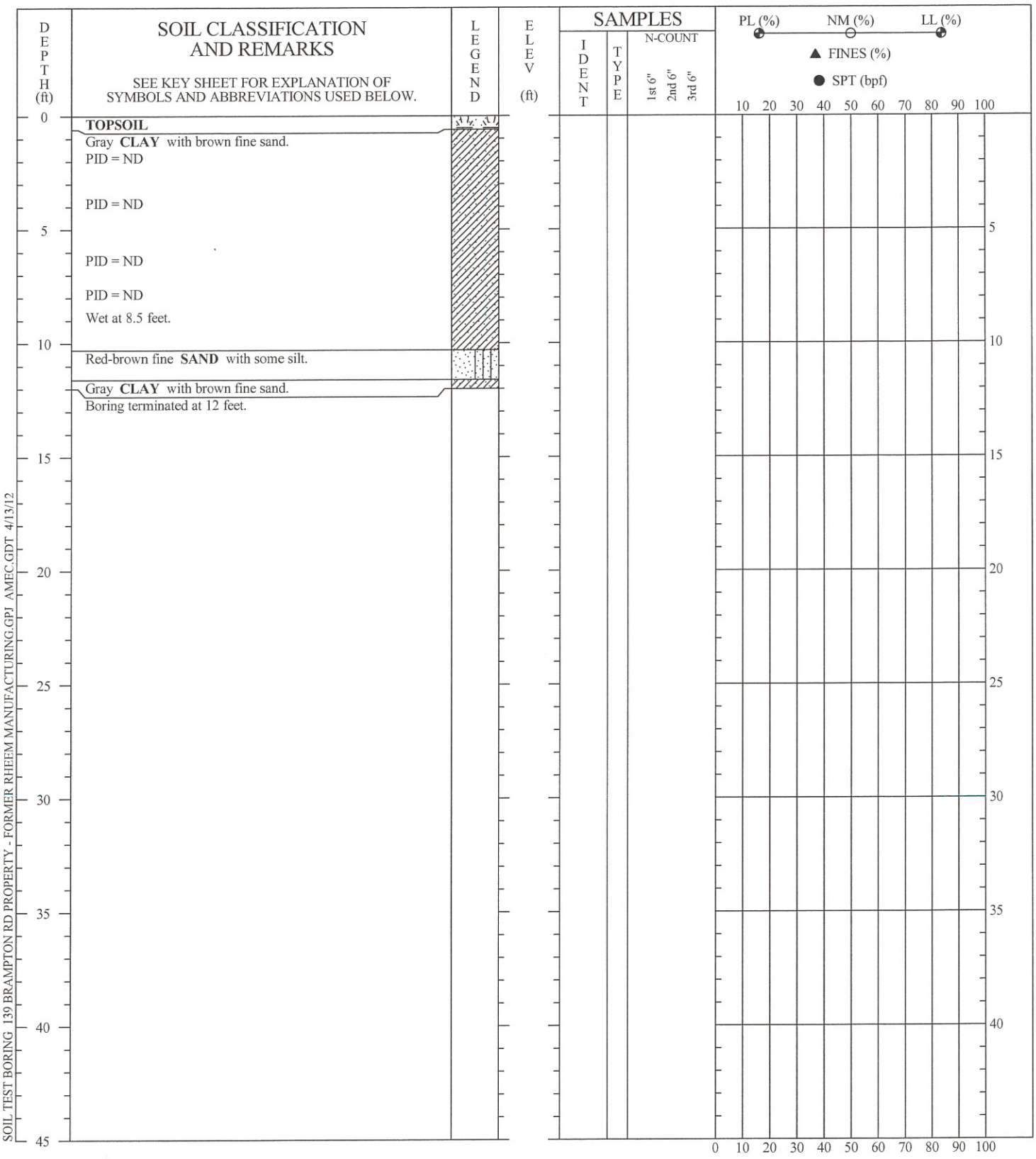
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-10
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.:
REMARKS:

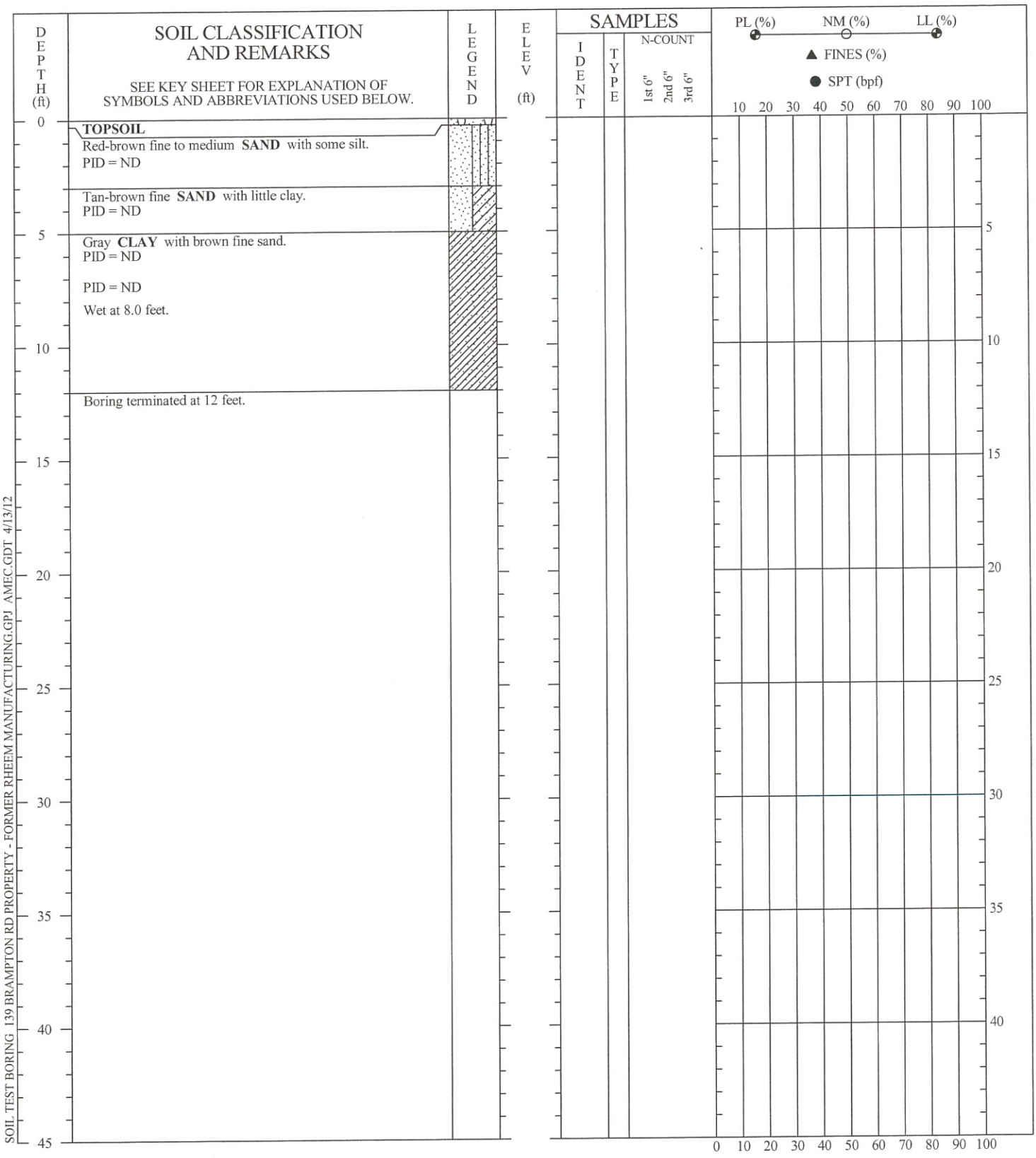
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-11
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

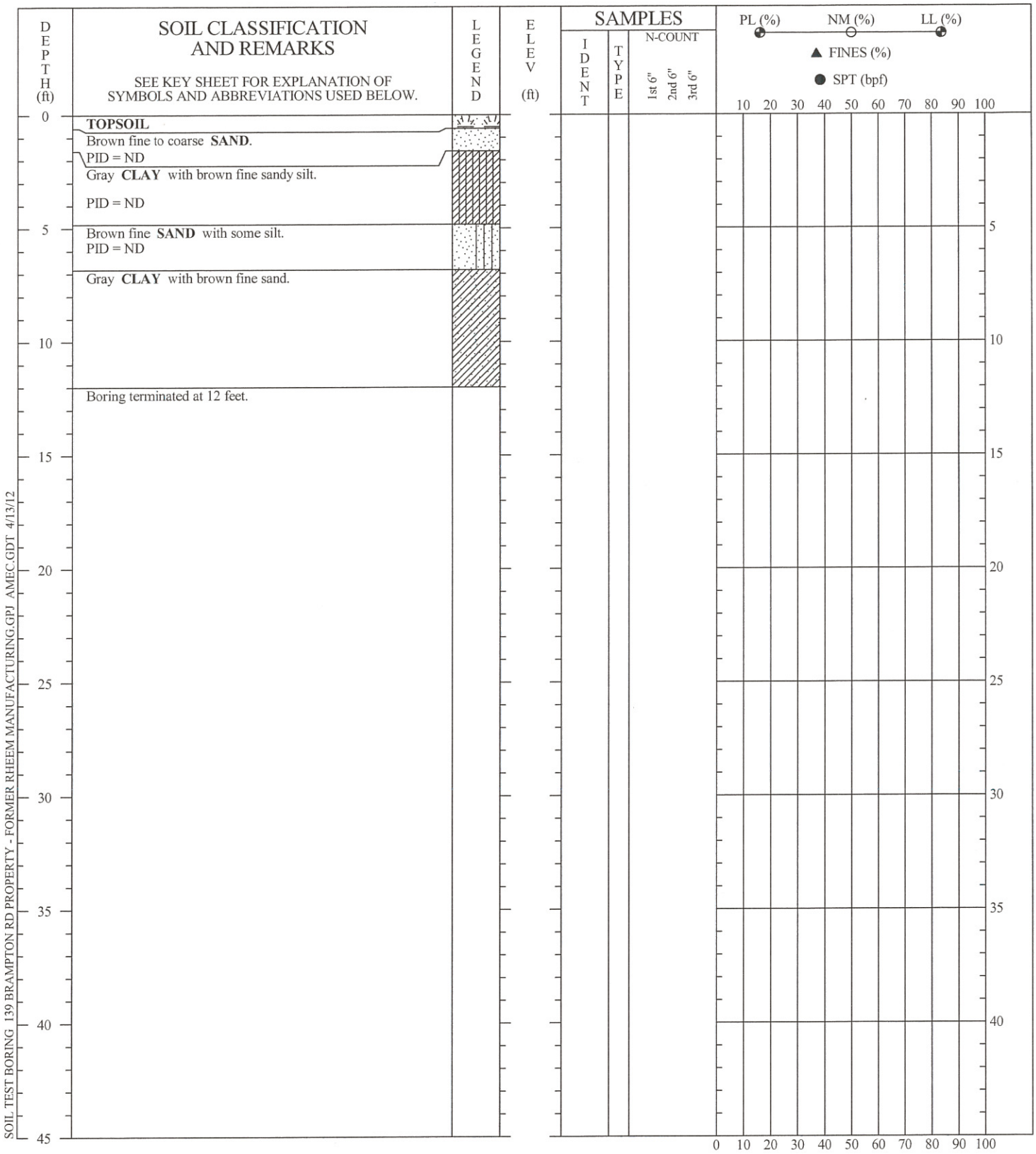
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-12
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 6, 2012
PROJECT NO.:	6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

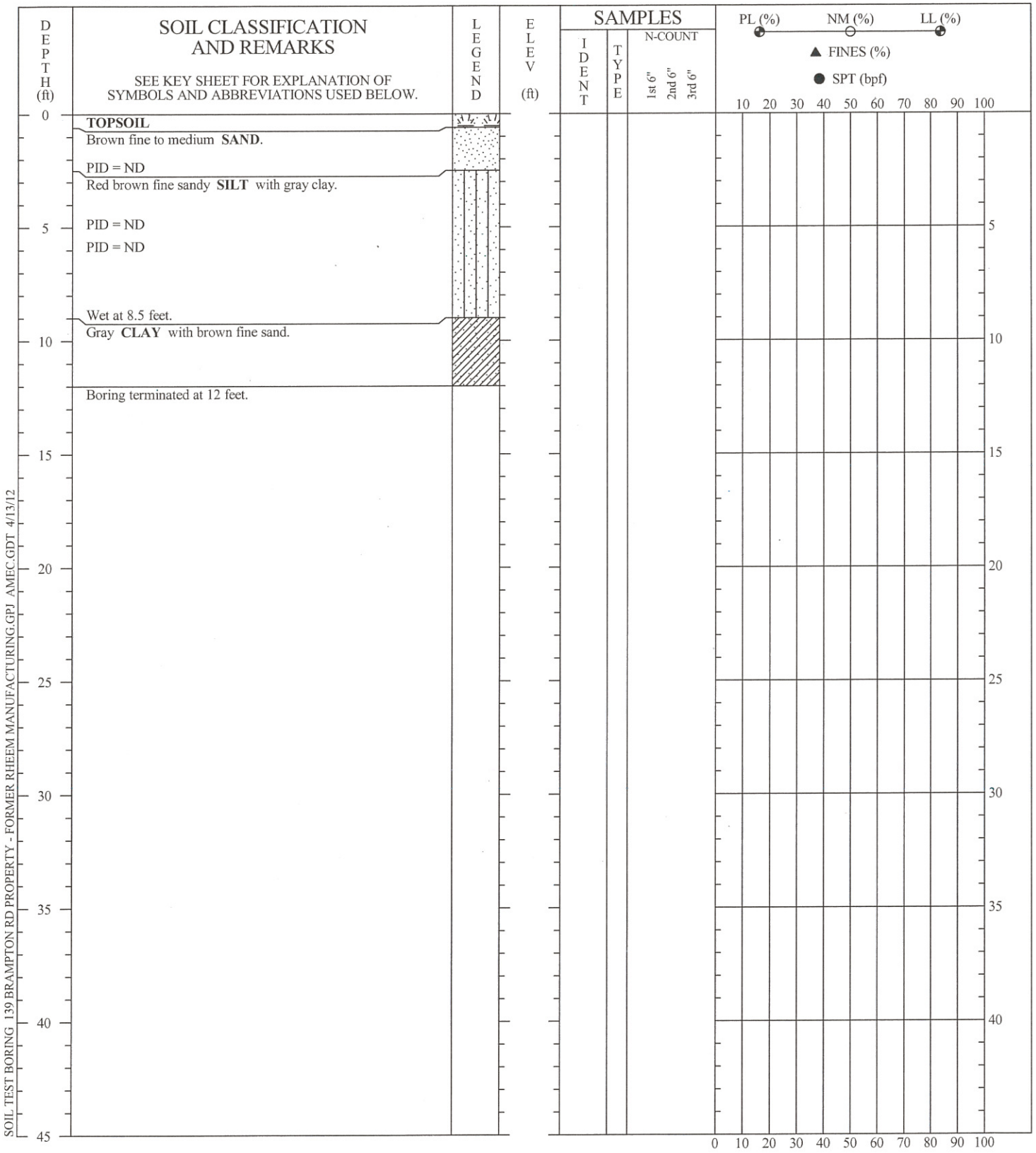
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-13
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 6, 2012
PROJECT NO.:	6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

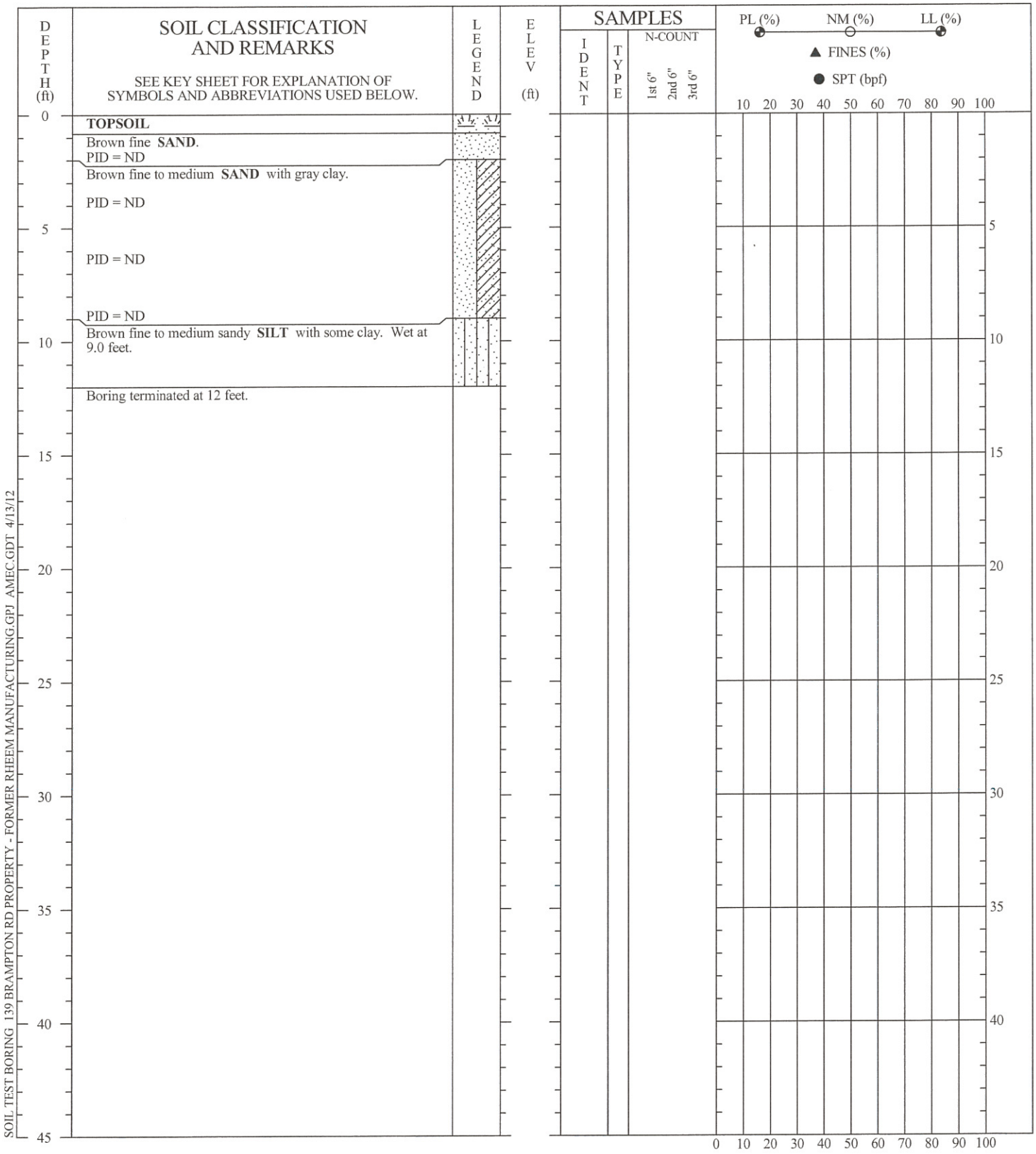
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-14
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 6, 2012
PROJECT NO.:	6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

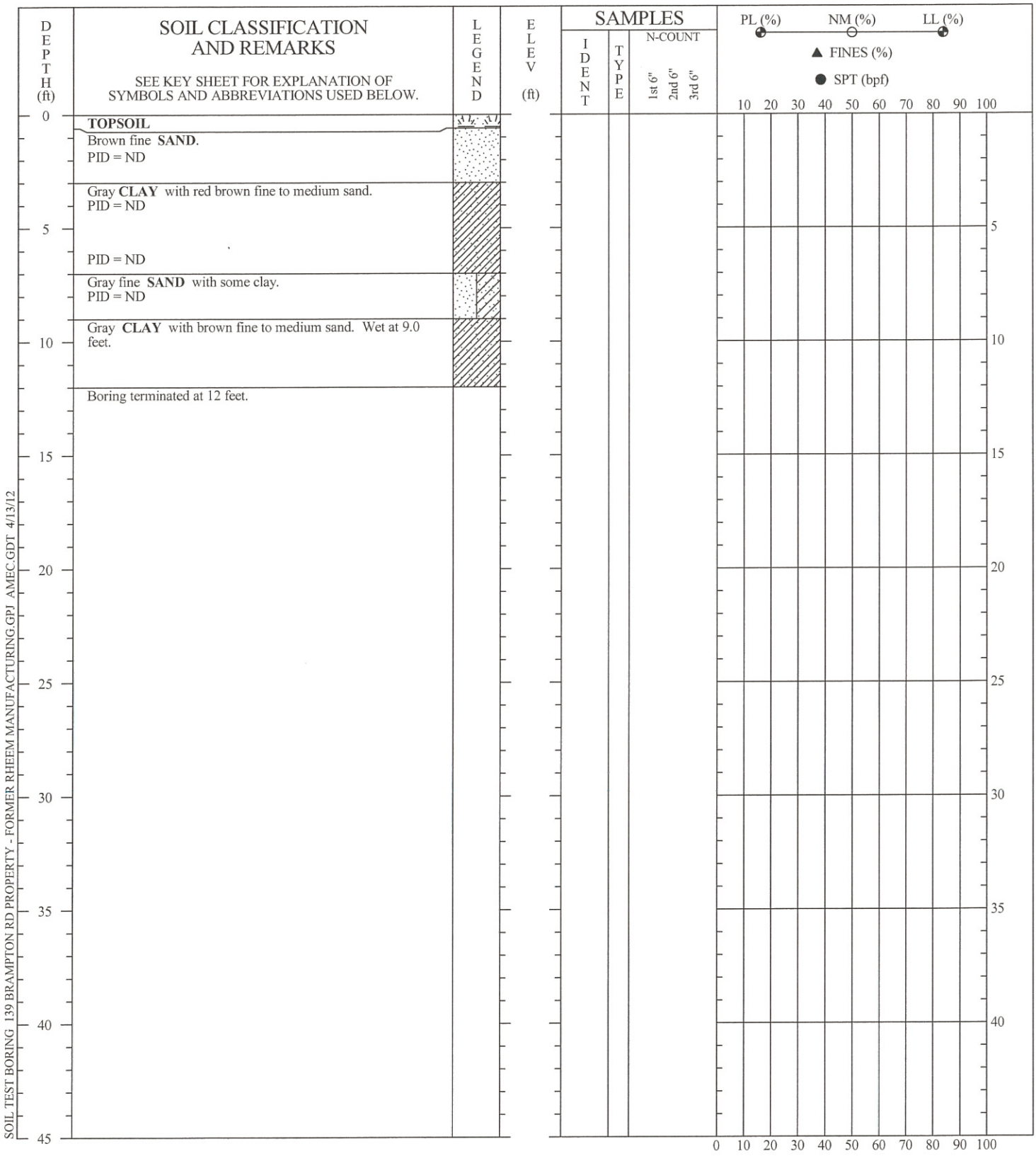
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-15
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 6, 2012
PROJECT NO.:	6121-09-0220

amec



DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

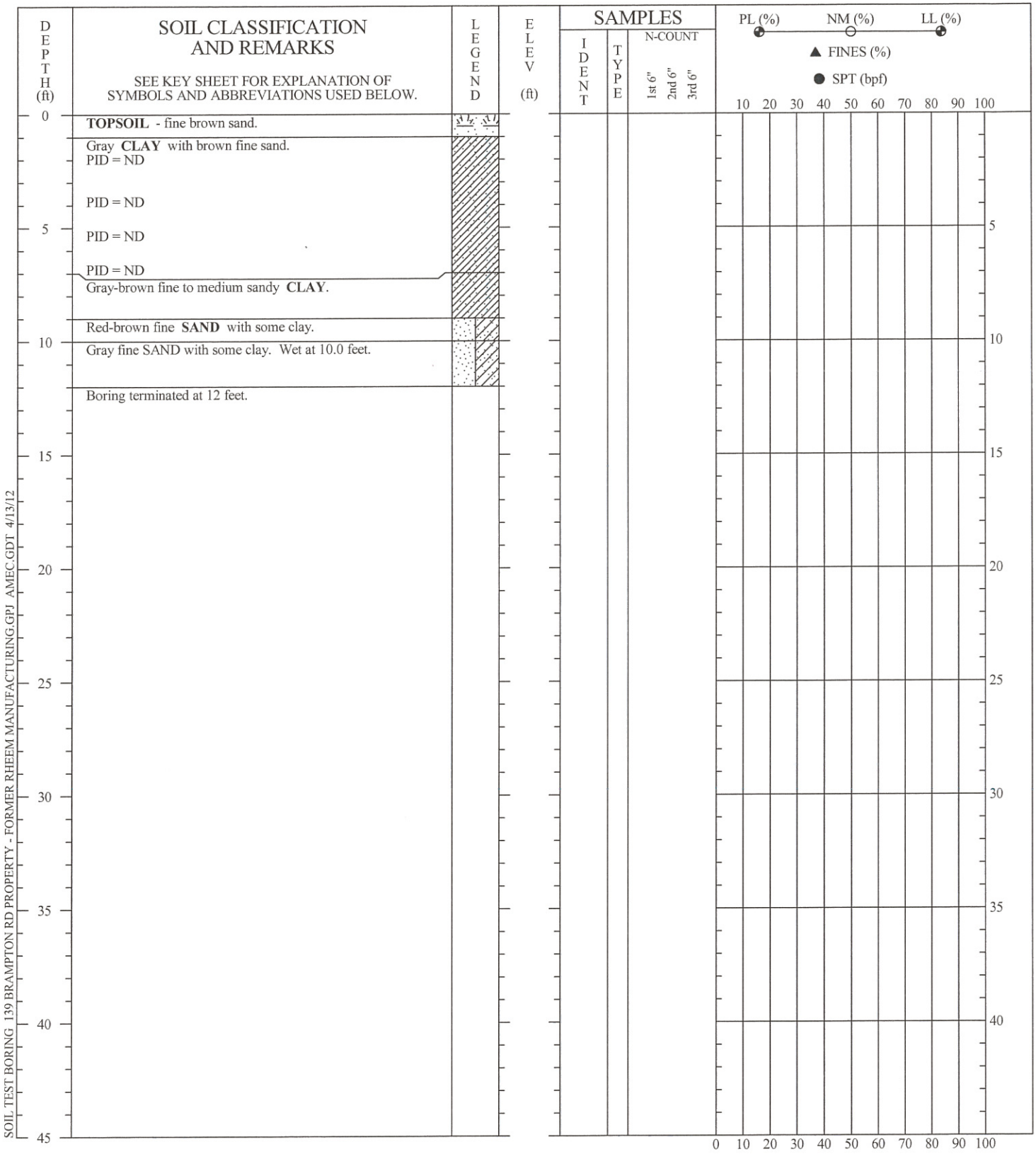
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-16
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-17
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

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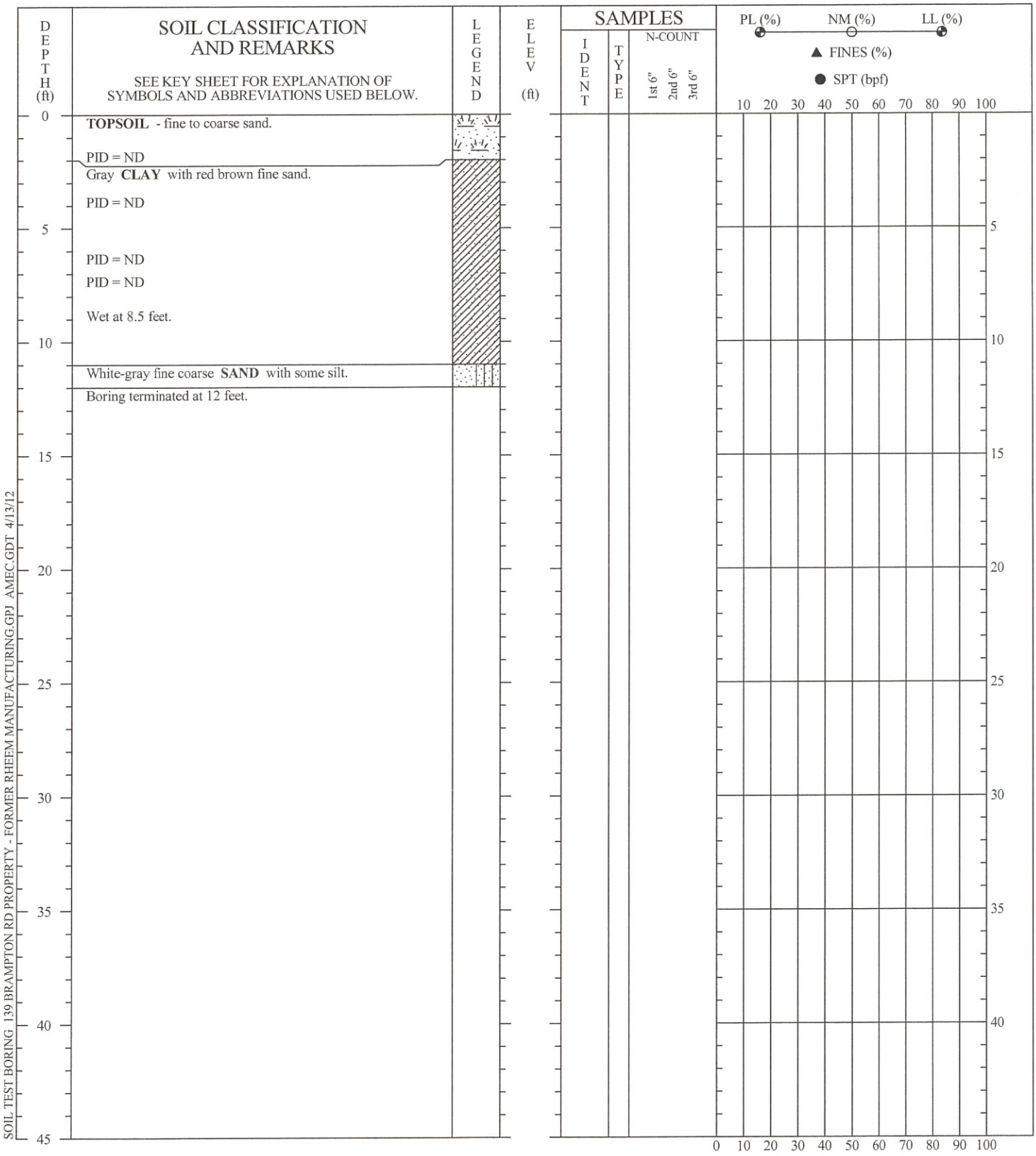


SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

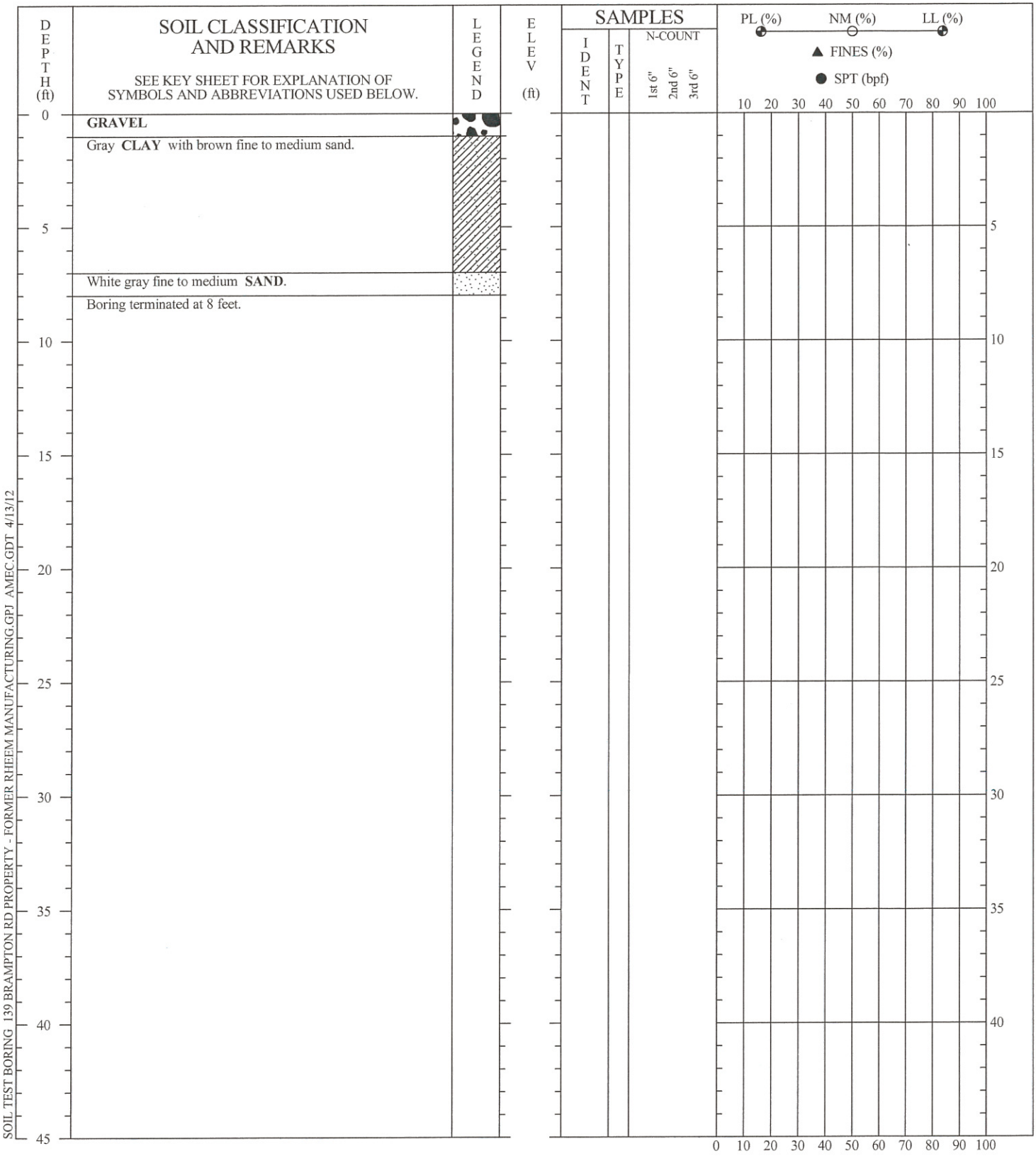
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-18
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

amec



DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

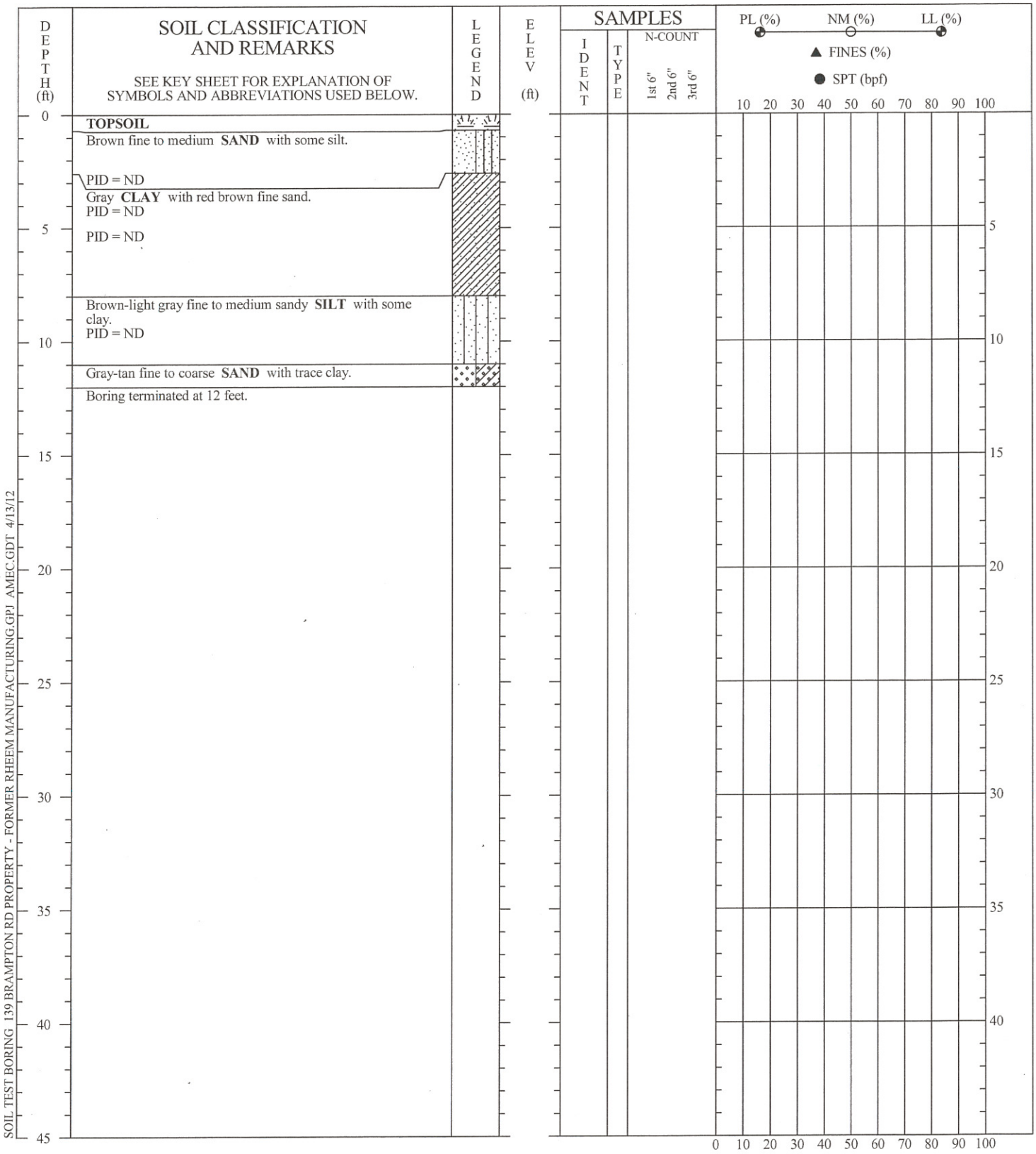
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-19
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 6, 2012
PROJECT NO.:	6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

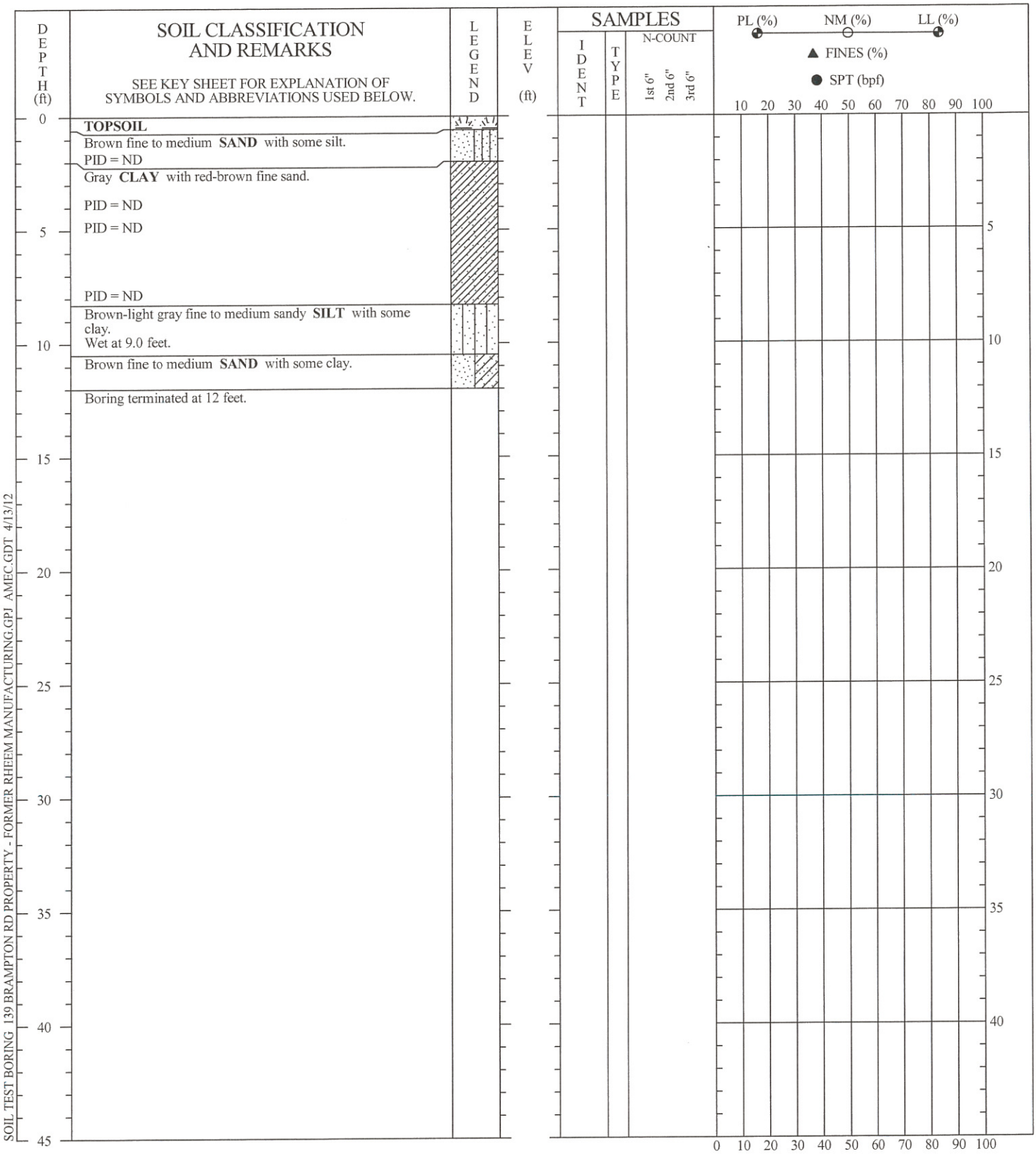
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-20
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

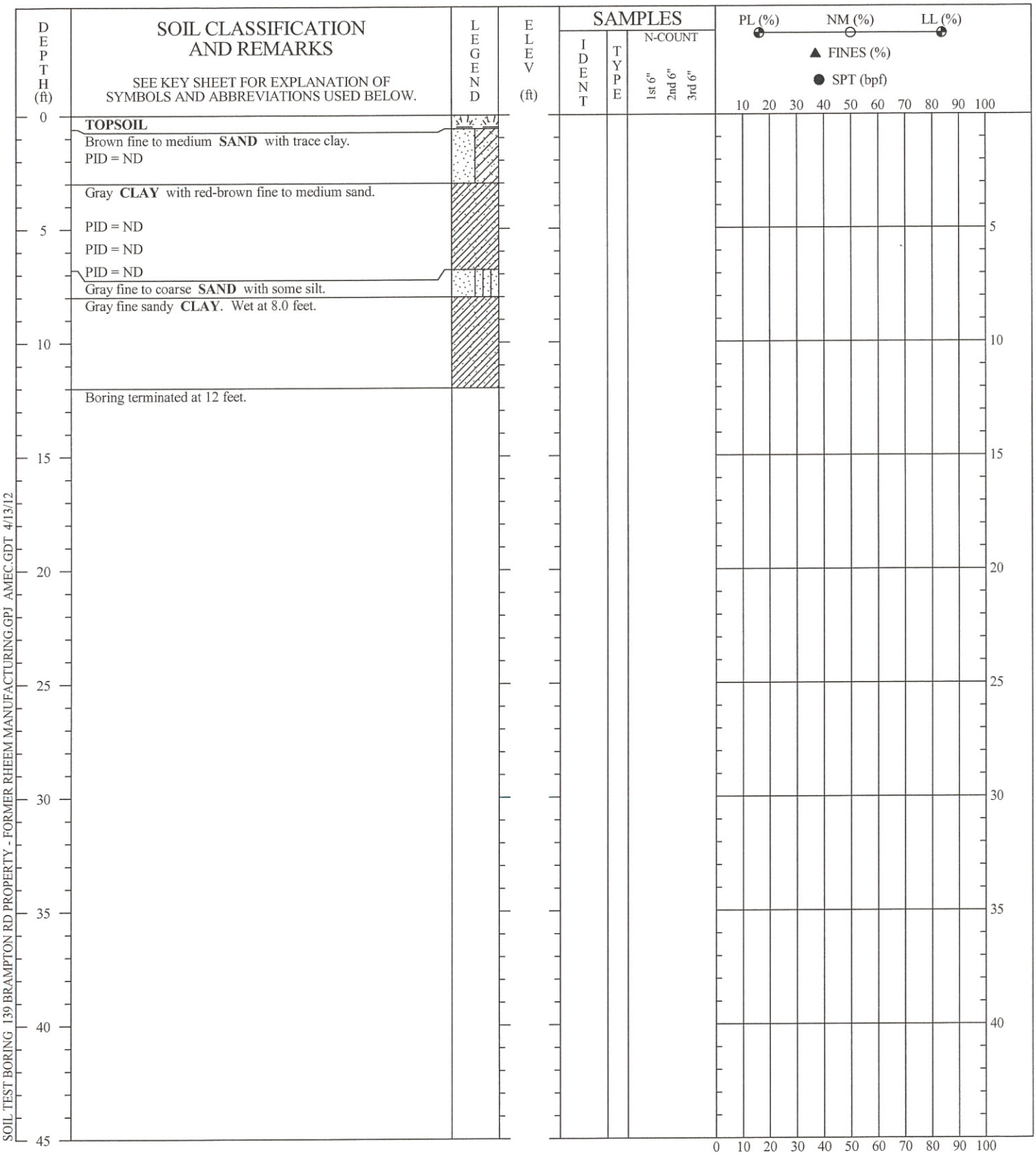
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-21
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER:	Atlas GeoSampling
EQUIPMENT:	Power Probe 9100
METHOD:	Direct Push
HOLE DIA.:	2 inches
REMARKS:	

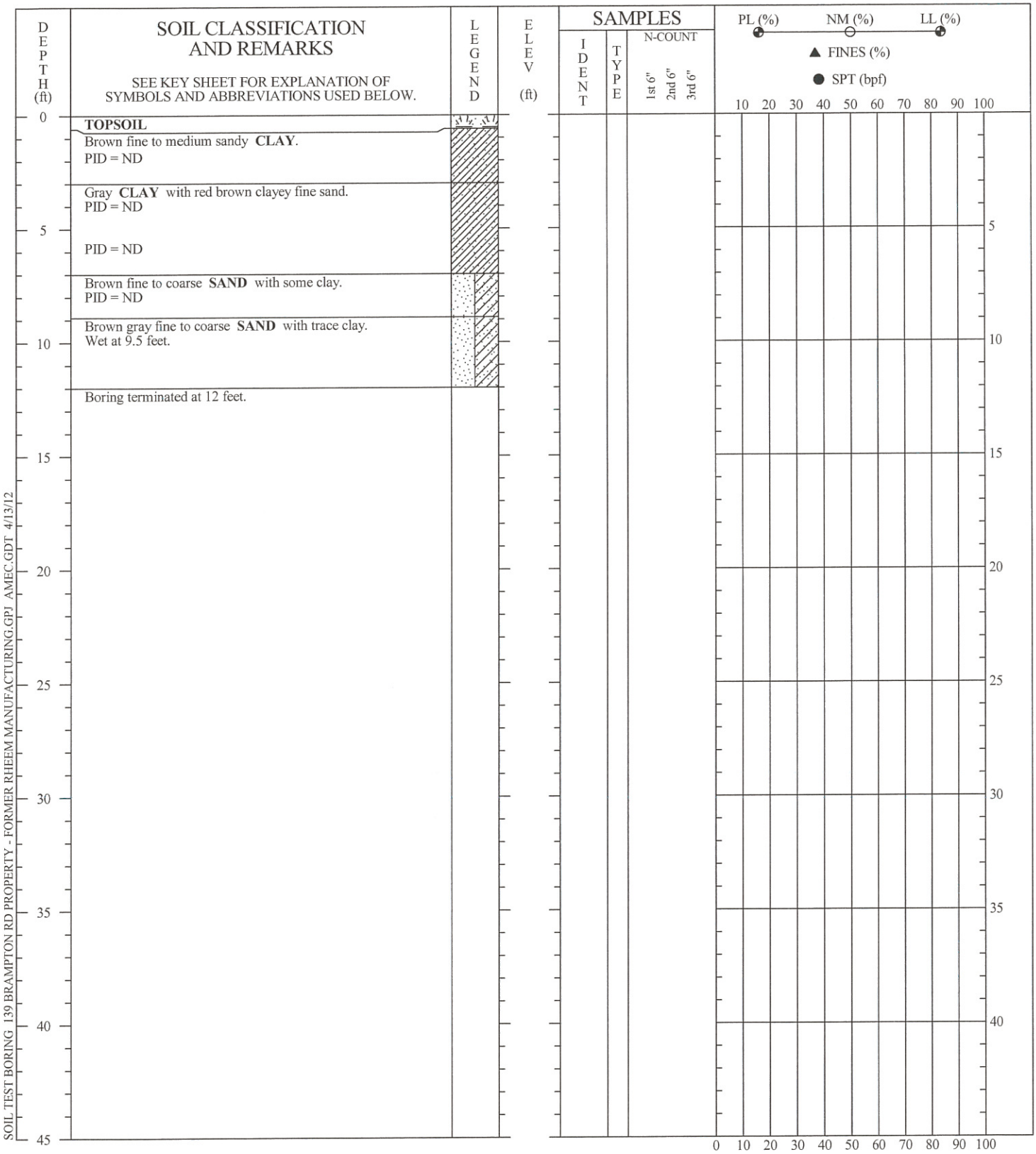
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-22
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 7, 2012
PROJECT NO.:	6121-09-0220

amec



DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

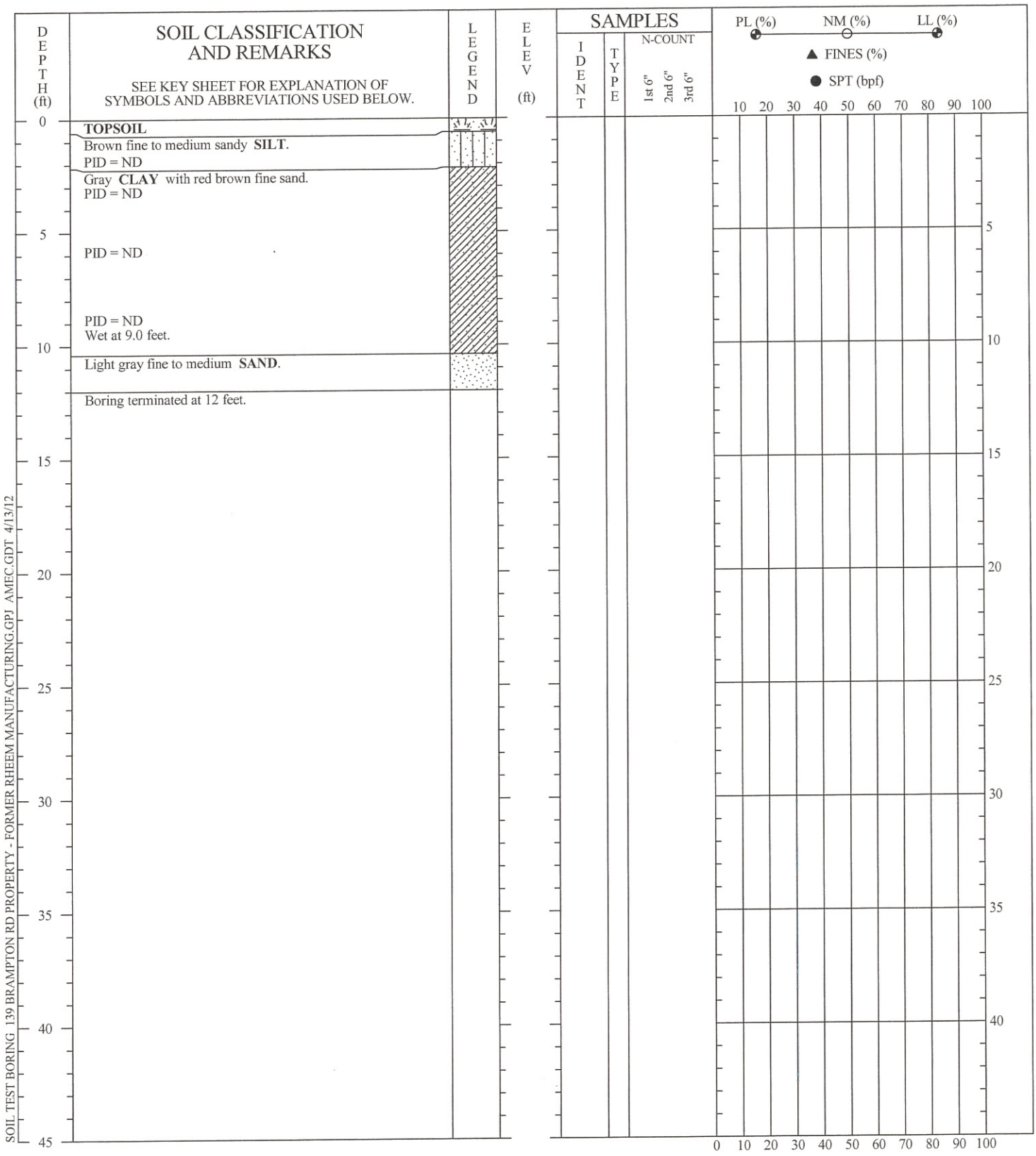
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-23
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.:
REMARKS:

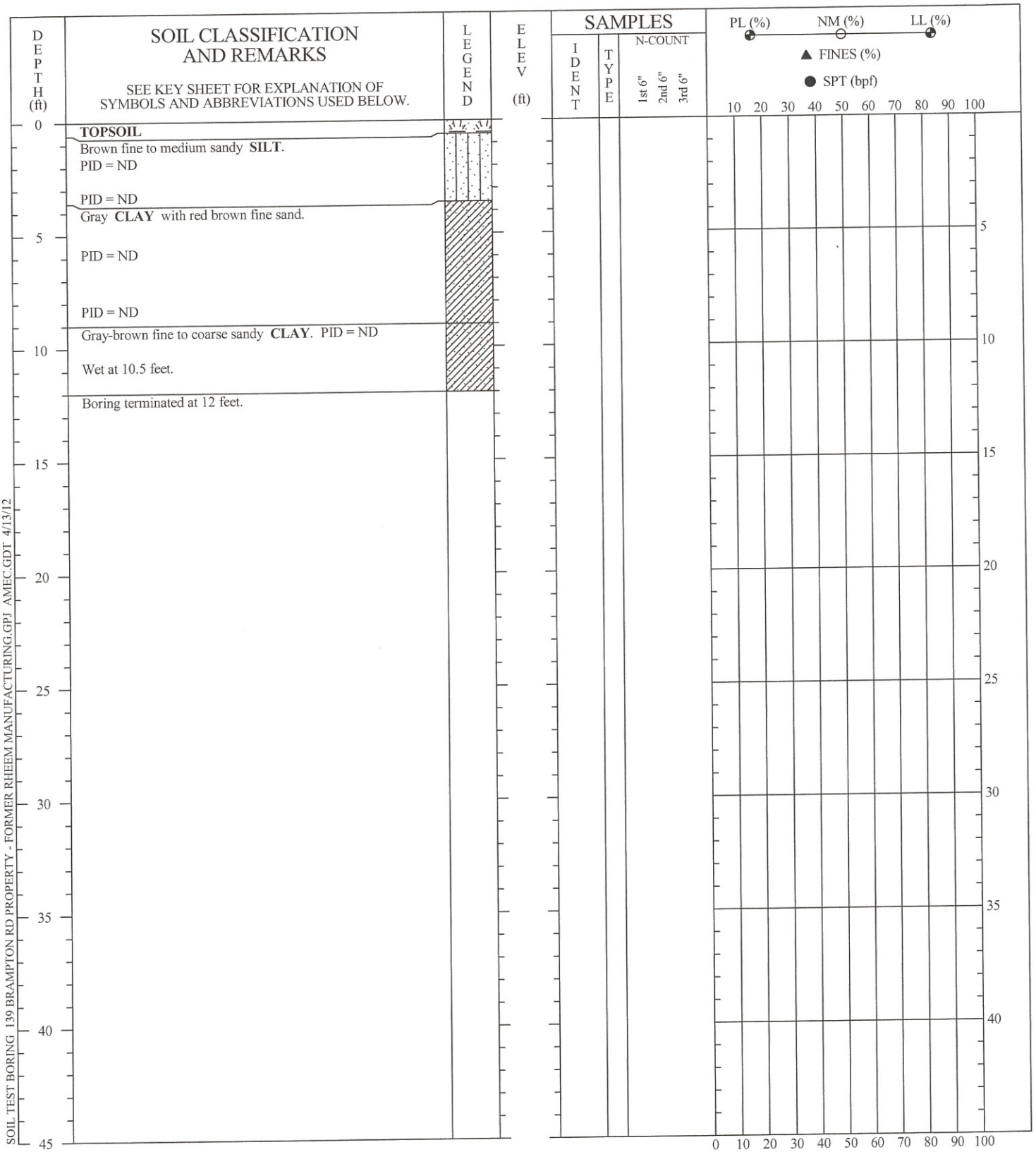
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-24
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

amec



DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.:
REMARKS:

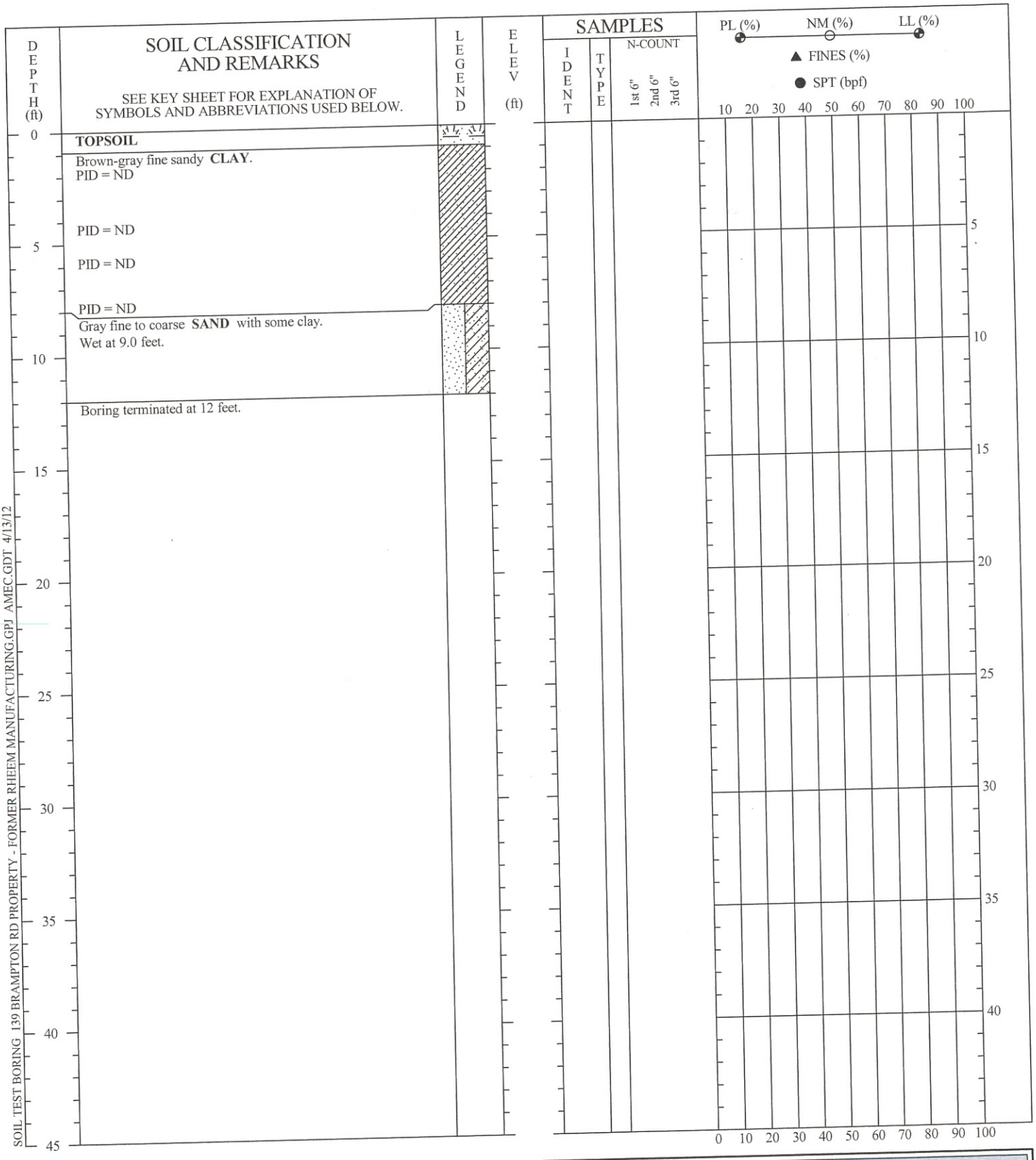
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-25
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

amec



DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

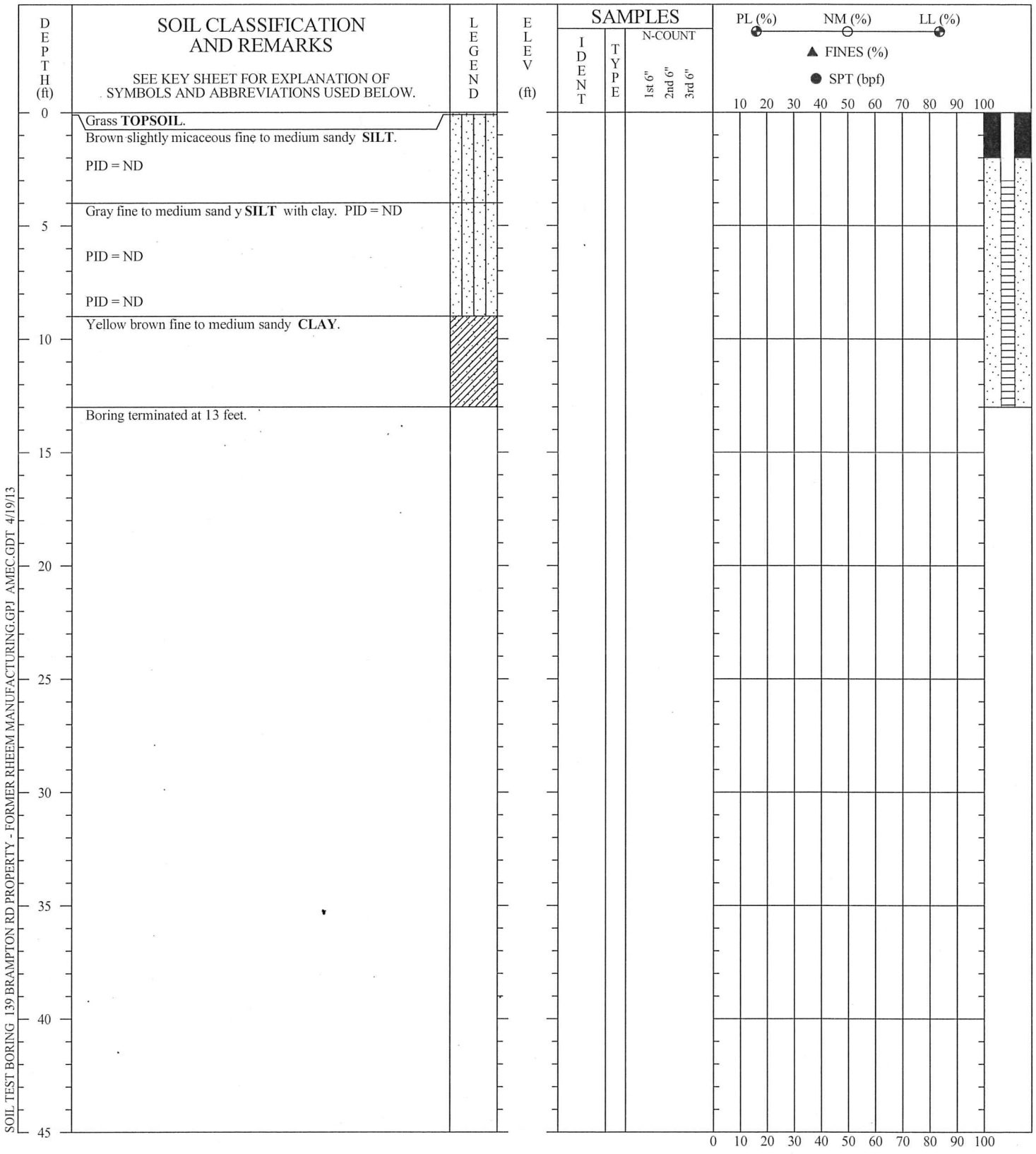
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-26
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/19/13

DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

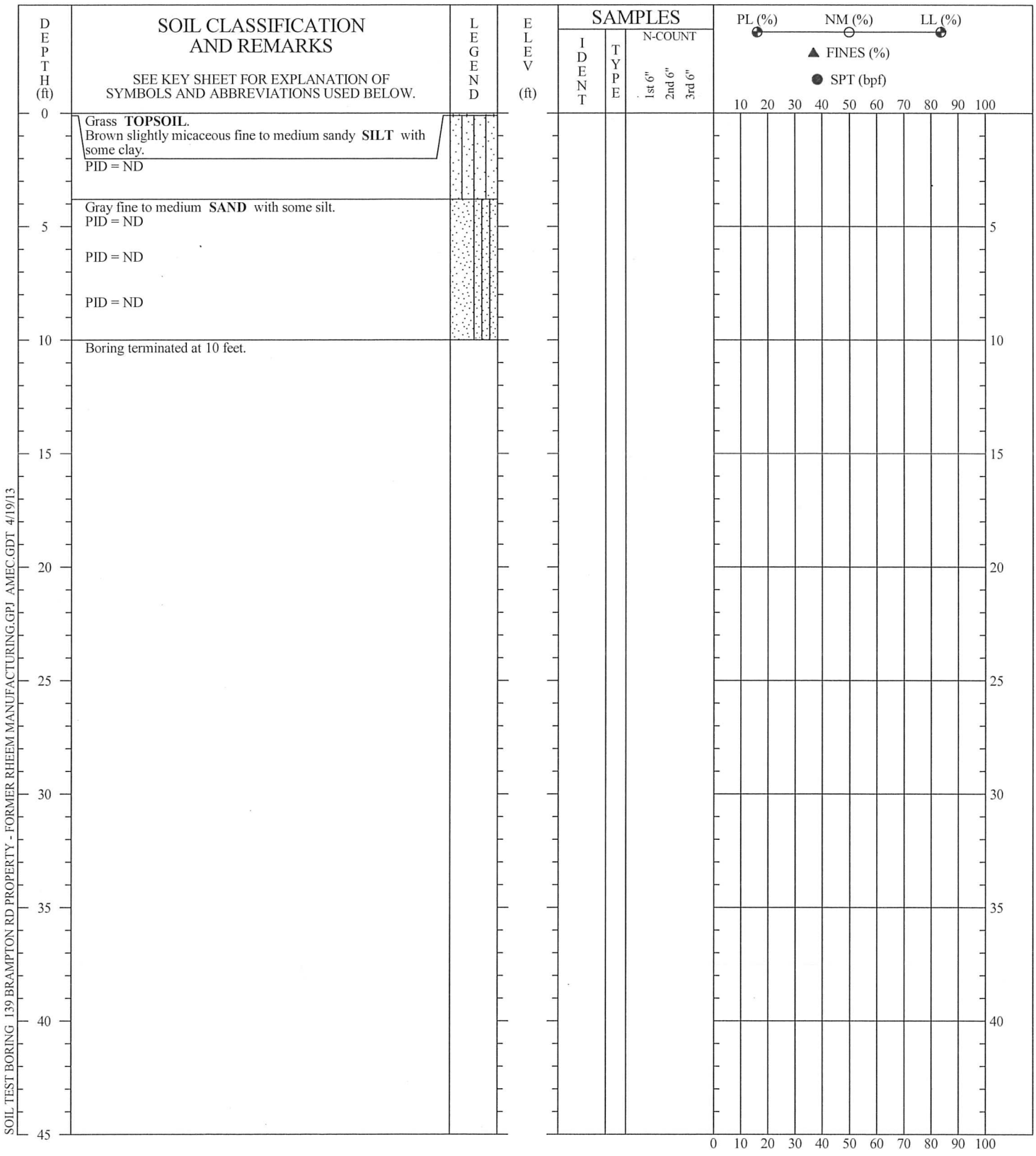
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: EU-1
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec



DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

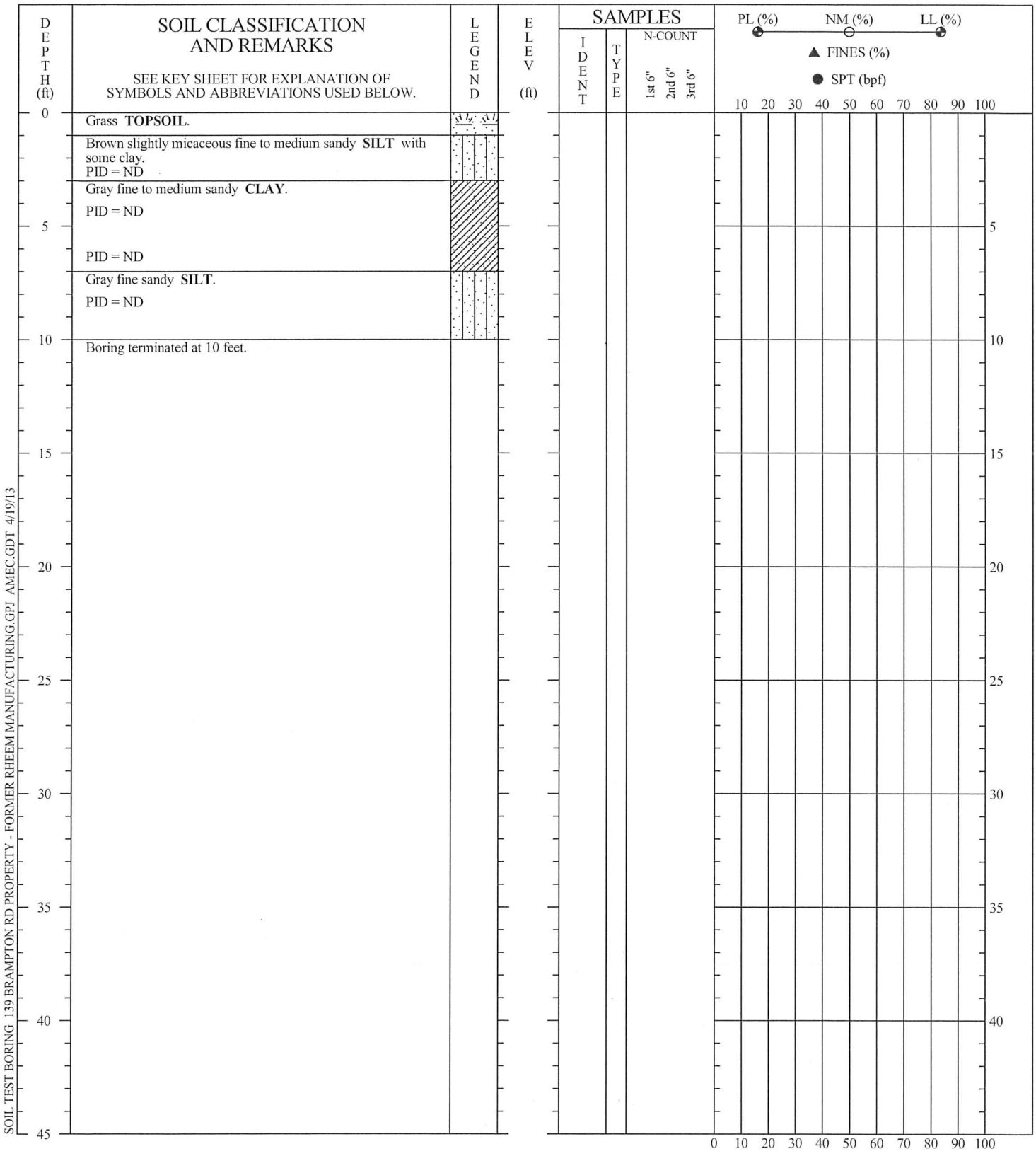
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-27
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec



DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

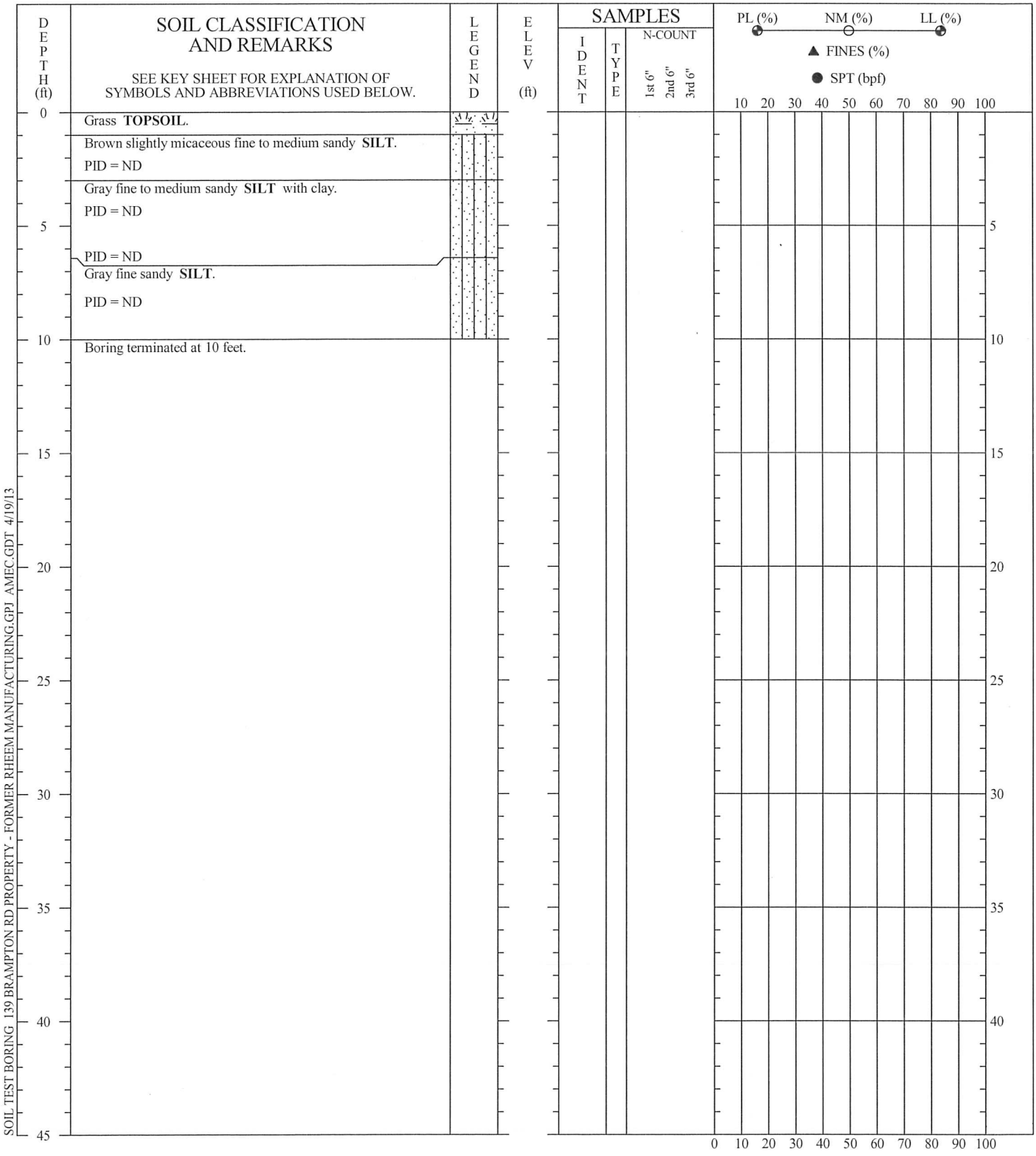
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-28
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec



DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-29
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)	SAMPLES: IDENT	SAMPLES: TYPE	SAMPLES: N-COUNT 1st 6" / 2nd 6" / 3rd 6"
0	**CONCRETE**					
	Brown fine coarse **SAND** with some clayey sand. PID = ND					
	Brown fine to medium sandy **SILT** with clay. PID = ND					
5	Brown fine to medium **SAND** with some silt. PID = ND PID = ND					
10	Boring terminated at 10 feet.					
15						
20						
25						
30						
35						
40						
45						

PL (%) NM (%) LL (%)
▲ FINES (%)
● SPT (bpf)
10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/19/13

DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

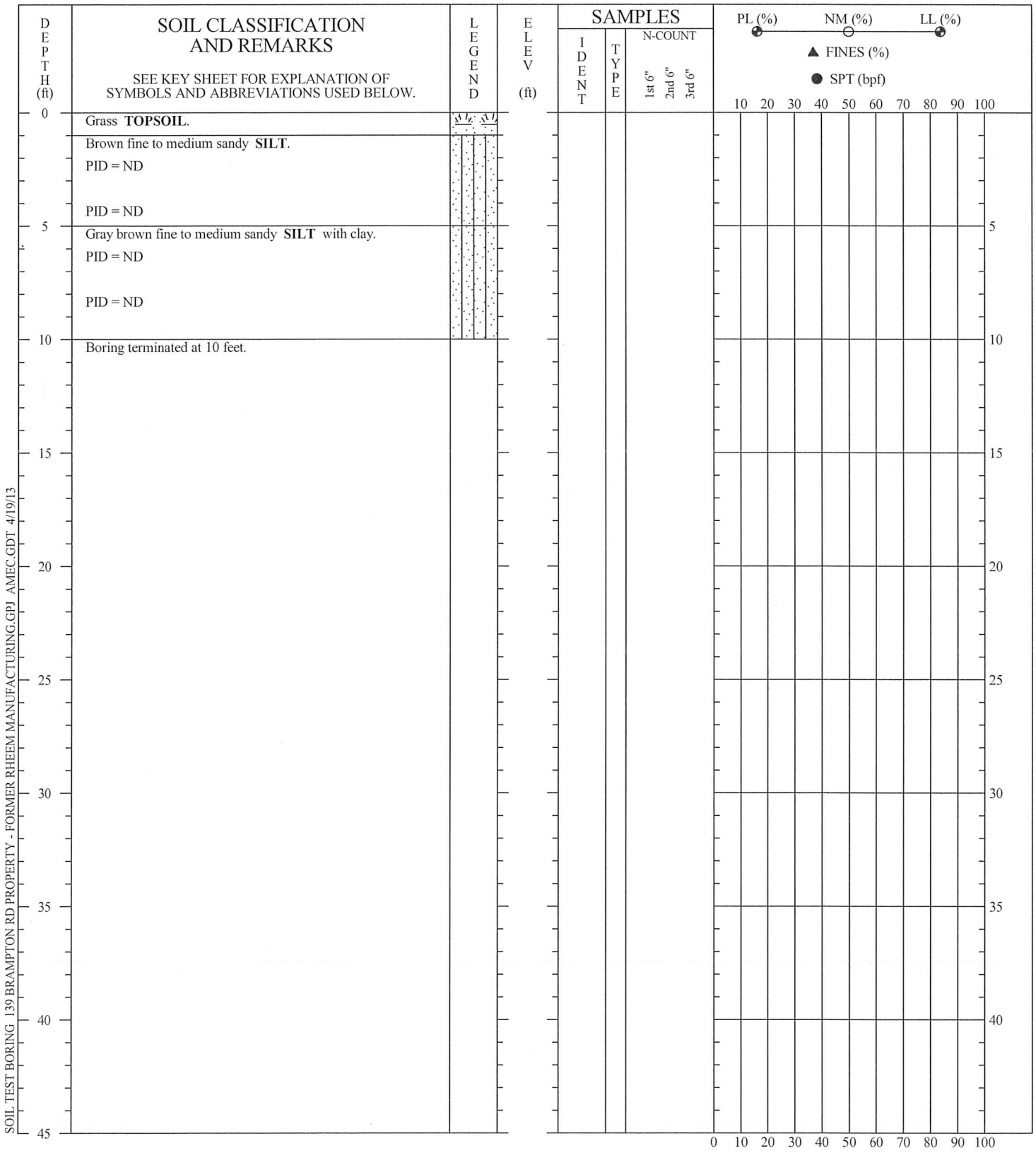
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-30
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec



DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

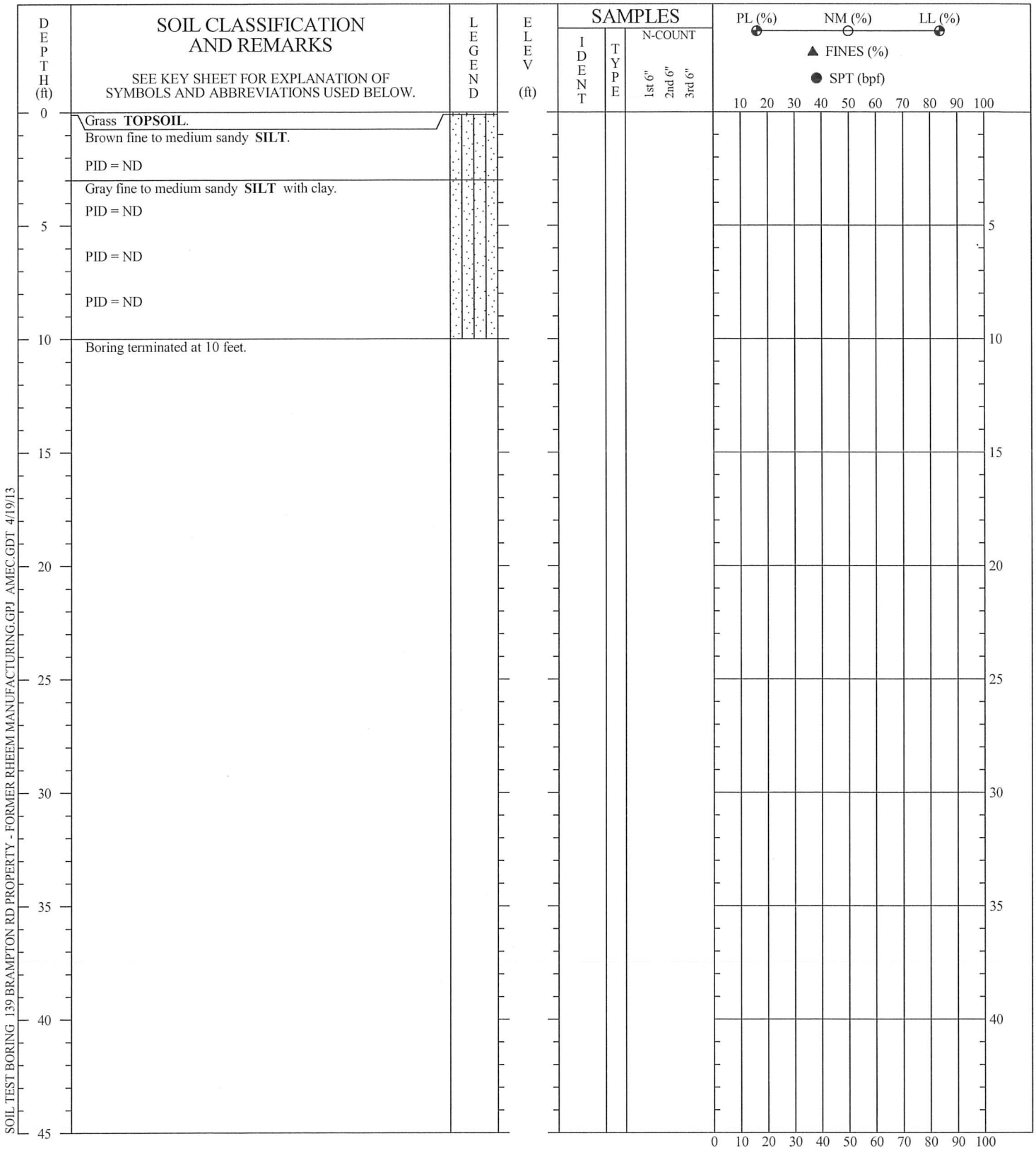
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-31
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec



DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

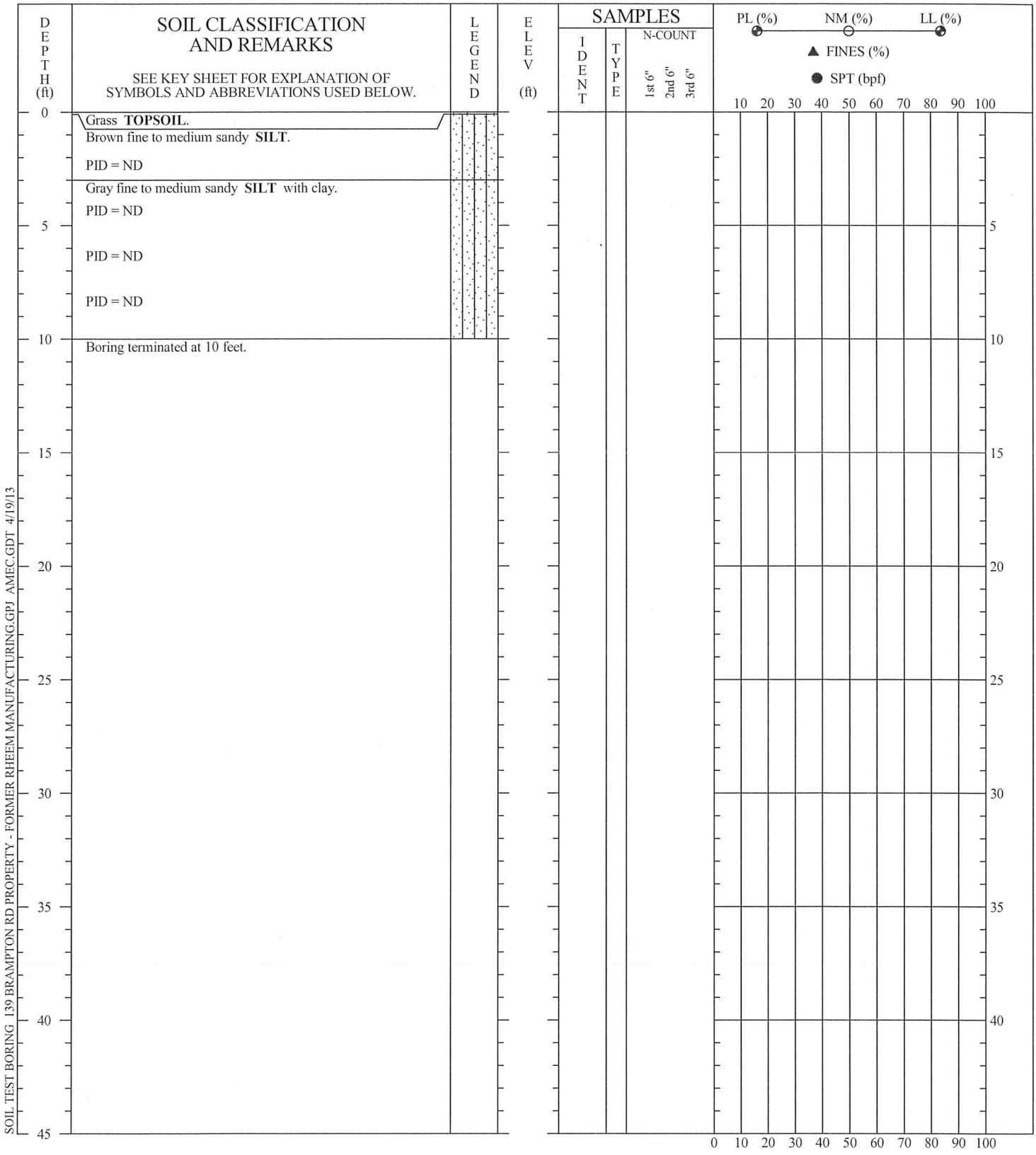
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-32
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec



DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

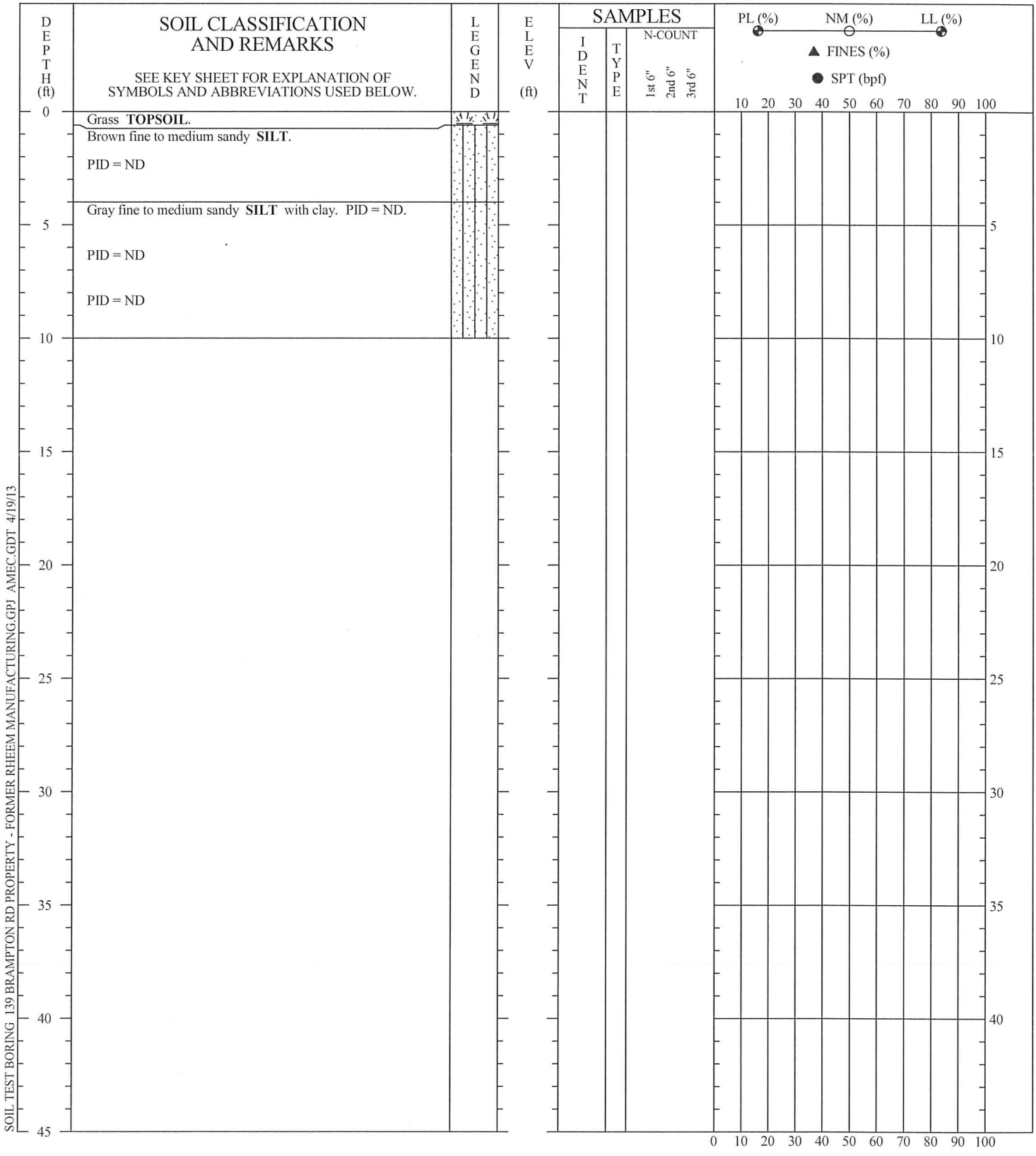
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-33
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec



DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

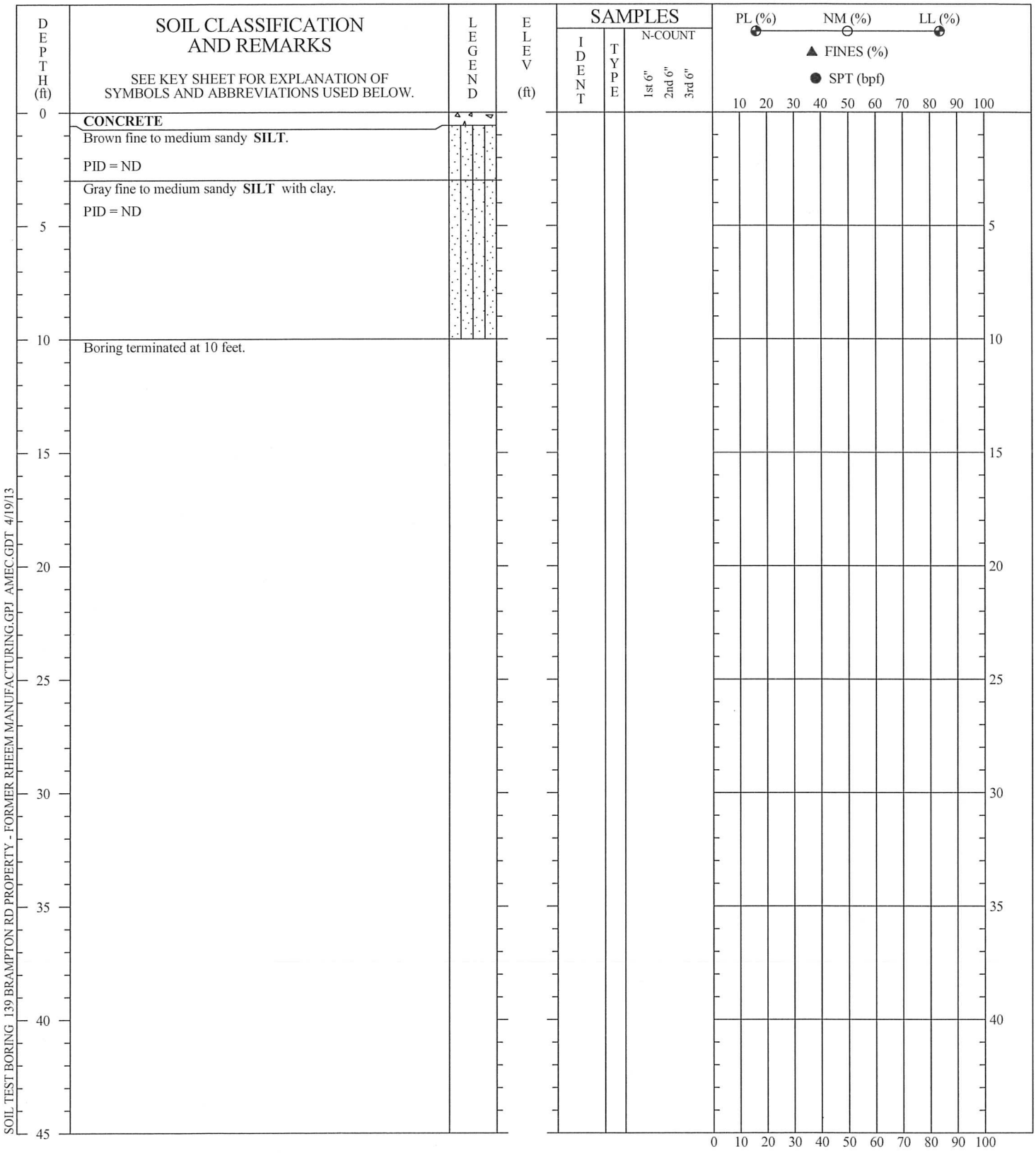
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-34
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/19/13

DRILLER:	Geo Lab
EQUIPMENT:	Geoprobe 6610
METHOD:	HSA
HOLE DIA.:	4 inches
REMARKS:	

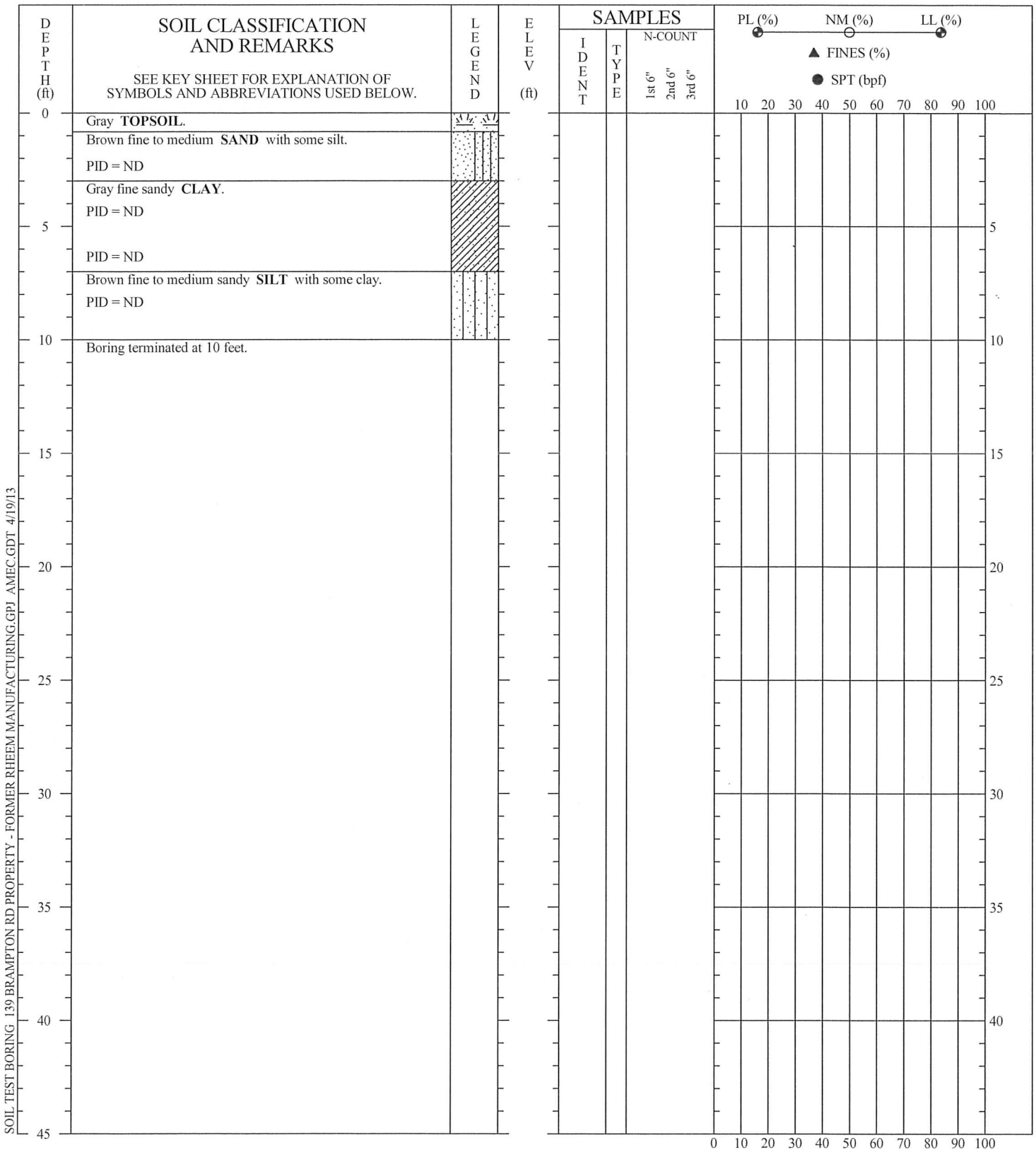
PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.:	GP-35
PROJECT:	139 Brampton Road Property
LOCATION:	Savannah, GA
DRILLED:	March 15, 2017
PROJECT NO.:	6121-09-0220

amec



DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-36
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)	SAMPLES: IDENT	SAMPLES: TYPE	SAMPLES: N-COUNT 1st 6" 2nd 6" 3rd 6"
0	**GRAVEL**					
	Brown fine to medium sandy **SILT**.					
	Red brown fine to medium sandy **SILT** with clay. PID = ND					
5	Gray fine to medium sandy **SILT** with clay. PID = ND					
	PID = ND					
	PID = ND					
10	Boring terminated at 10 feet.					
15						
20						
25						
30						
35						
40						
45						

PL (%) NM (%) LL (%)
▲ FINES (%)
● SPT (bpf)
10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/19/13

DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

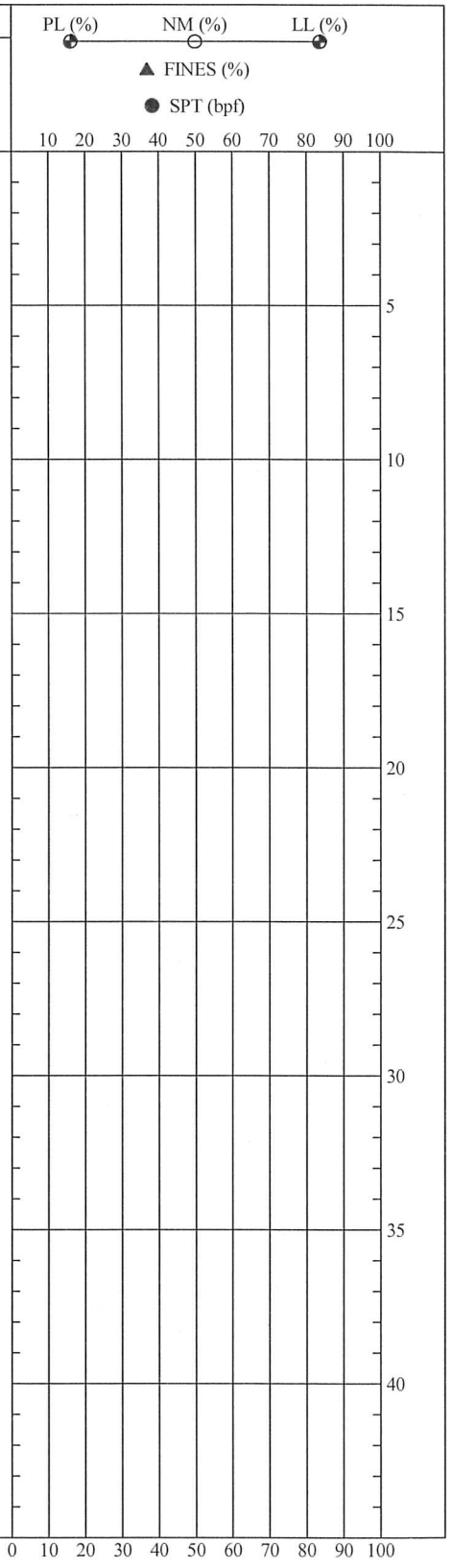
THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-37
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)	SAMPLES: IDENT	SAMPLES: TYPE	SAMPLES: N-COUNT (1st 6" / 2nd 6" / 3rd 6")
0	**GRAVEL**					
	Brown fine to medium sandy **SILT**.					
	Red brown fine to medium sandy SILT with clay. PID = ND					
5	Gray fine to medium sandy **SILT** with some clay. PID = ND					
	PID = ND					
	PID = ND					
10	Boring terminated at 10 feet.					
15						
20						
25						
30						
35						
40						
45						



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/19/13

DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-38
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	LEGEND	ELEV (ft)
0	**TOPSOIL**		
	FILL - Brown fine to medium **SAND** with gravel.		
	RESIDUAL - Brown fine to medium sandy **SILT** with some clay.		
5			
	Gray fine to medium sandy **SILT** with clay.		
10			
	Boring terminated at 14 feet.		
15			
20			
25			
30			
35			
40			
45			

SAMPLES: IDENT | TYPE | N-COUNT (1st 6" / 2nd 6" / 3rd 6")

PL (%) NM (%) LL (%)

▲ FINES (%)

● SPT (bpf)

10 20 30 40 50 60 70 80 90 100

0 10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 3/21/14

DRILLER:	ATLAS
EQUIPMENT:	Power Probe 9510
METHOD:	HSA
HOLE DIA.:	4 inches
REMARKS:	Type II well installed. Stabilized depth to water 10.28 measured on 2/12/14.

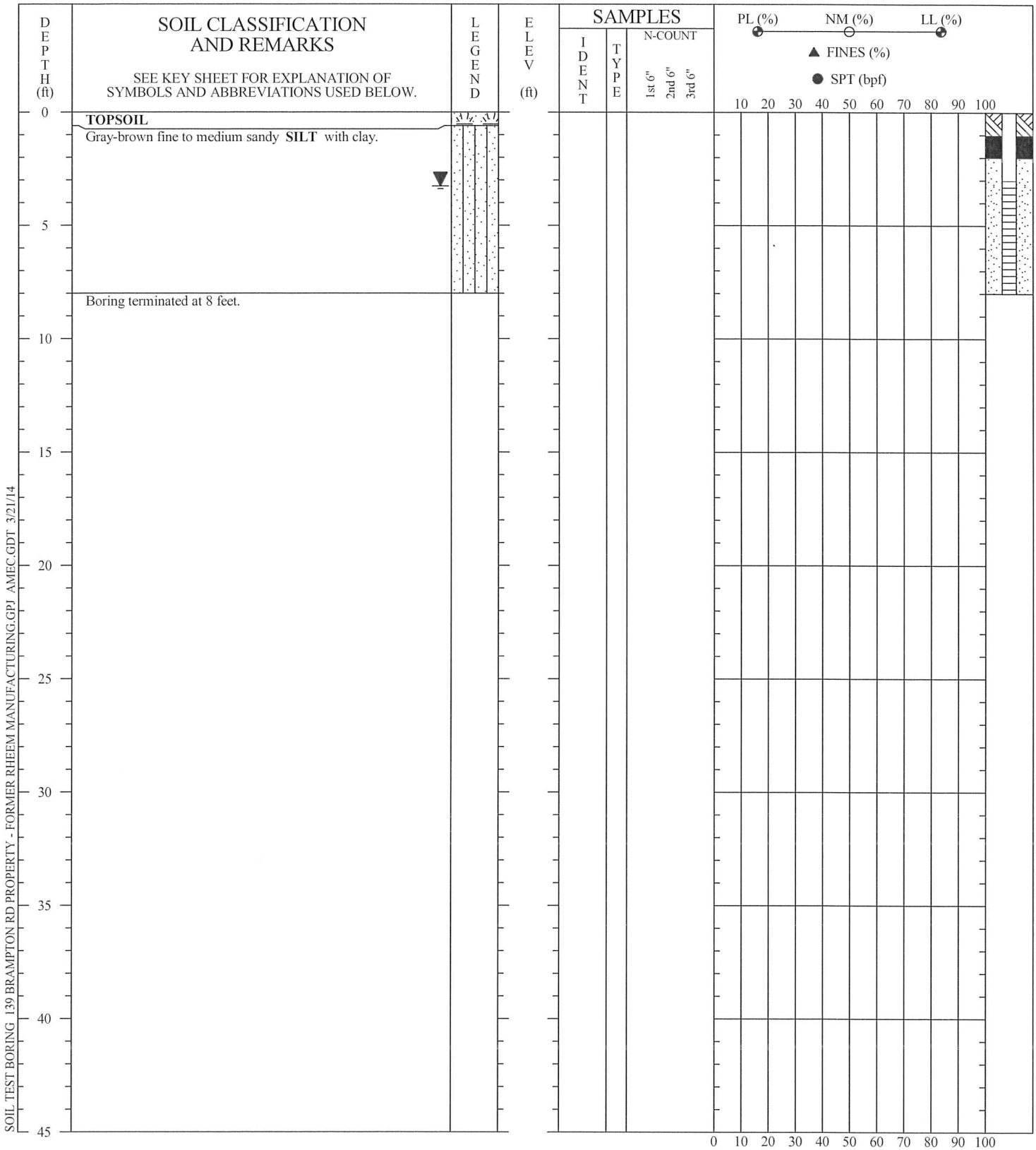
Prepared by: T. Boyles Reviewed by: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: EW-4
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: February 11, 2014
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 3/21/14

DRILLER:	ATLAS
EQUIPMENT:	Hand Auger
METHOD:	Hand Auger
HOLE DIA.:	4 inches
REMARKS:	Type II well installed with stickup cover. Stabilized depth to water 3.27 measured on 2/12/14.

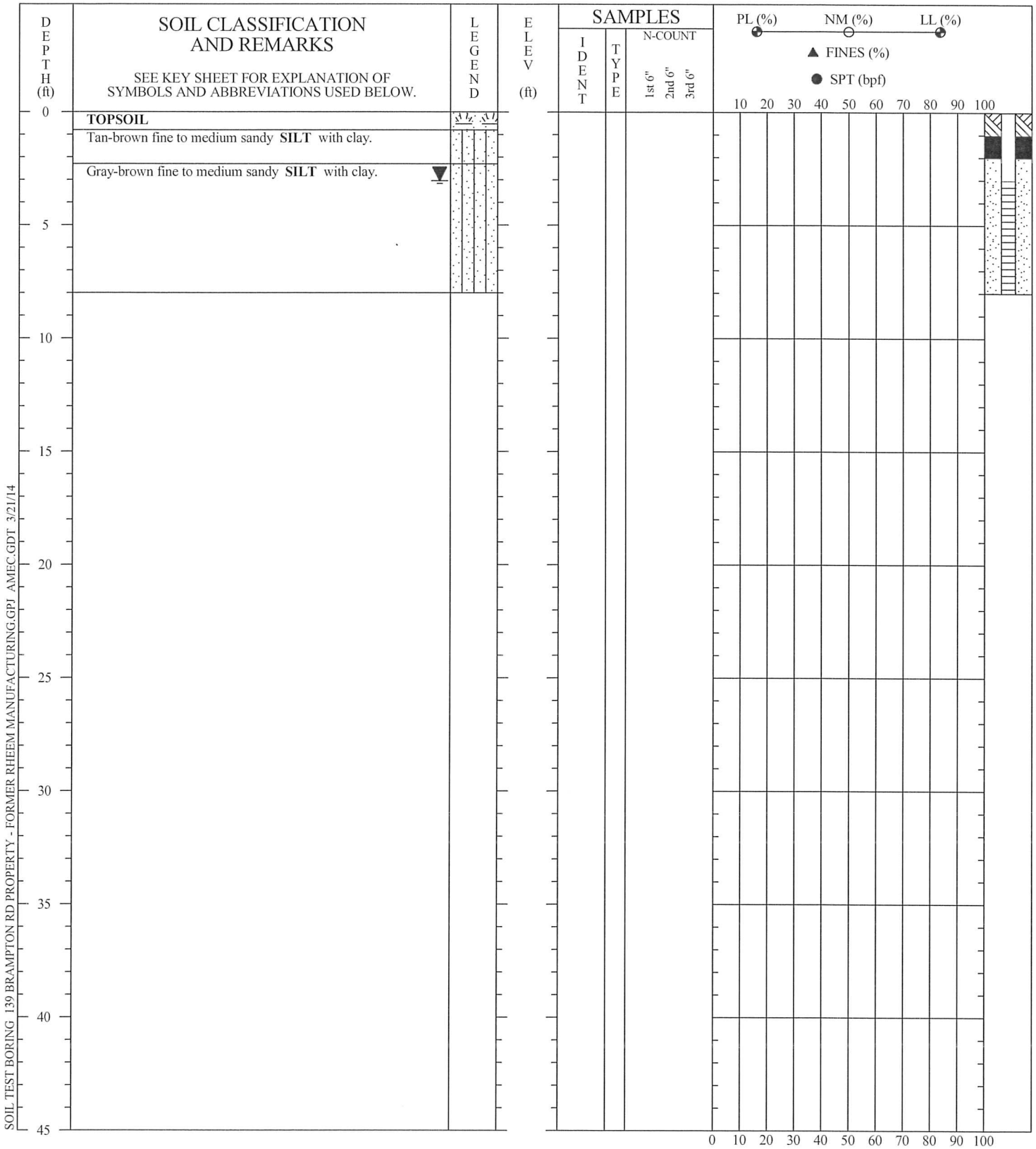
Prepared by: T. Boyles Reviewed by: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: EW-5
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: February 11, 2014
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

amec



SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 3/21/14

DRILLER:	ATLAS
EQUIPMENT:	Hand Auger
METHOD:	Hand Auger
HOLE DIA.:	4 inches
REMARKS:	Type II well installed with stickup cover. Stabilized depth to water 3.05 measured on 2/12/14.

Prepared by: T. Boyles Reviewed by: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: EW-6
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: February 11, 2014
PROJECT NO.: 6121-09-0220

amec

DEPTH (ft)	SOIL CLASSIFICATION AND REMARKS	LEGEND	ELEV (ft)	SAMPLES IDENT	SAMPLES TYPE	SAMPLES N-COUNT 1st 6" 2nd 6" 3rd 6"
0	**TOPSOIL**					
	Tan-brown fine to medium sandy **SILT** with clay.					
	Gray brown fine to medium sandy **SILT** with clay.					
5						
	Boring terminated at 9 feet.					
10						
15						
20						
25						
30						
35						
40						
45						

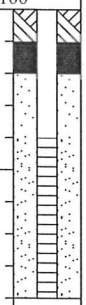
SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.

PL (%) NM (%) LL (%)

▲ FINES (%)

● SPT (bpf)

10 20 30 40 50 60 70 80 90 100



0 10 20 30 40 50 60 70 80 90 100

SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 3/21/14

DRILLER: ATLAS
EQUIPMENT: Hand Auger
METHOD: Hand Auger
HOLE DIA.: 4 inches
REMARKS: Type II well installed with stickup cover. Stabilized depth to water 4.20 measured on 2/12/14.

Prepared by: T. Boyles Reviewed by: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: EW-7
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: February 11, 2014
PROJECT NO.: 6121-09-0220 **PAGE 1 OF 1**

amec

APPENDIX D
GROUNDWATER MODELING

FATE AND TRANSPORT MODELING

As documented in previous submittals, the 139 Brampton Road property (Property) and surrounding properties are zoned heavy industrial and are connected to a municipal water supply source. In 2009, Amec Foster Wheeler assessed the potential presence of drinking water wells in the area of the Property using publicly available sources of pertinent information. The locations of twenty-one potential groundwater wells, nineteen of which are industrial water supply wells, were identified within a two-mile radius of the Property. However, based on the demonstrated groundwater flow direction to the east-southeast, no drinking water wells exist in the down gradient flow path of the contaminant plume.

Additionally, the Property lies in a hydrogeologic setting where groundwater typically exists as an unconfined surficial aquifer, underlain by an upper confining unit and the Floridan aquifer. Regional hydrogeologic conditions at the Property and surrounding areas indicate the first potable water is found in the Upper Floridan aquifer at least 300 feet below the site elevation. This aquifer is separated by an approximately 200 feet thick confining unit of the Floridan aquifer.

Under the VRP, "point of exposure" means the nearest of the closest existing down gradient drinking water supply well, the likely nearest future location of a drinking water well, or a hypothetical point of drinking water exposure located at a distance of 1000 feet down gradient from the delineated site contamination. Because there is no evidence of a potential drinking water source in the down gradient flow path of the contaminant plume, the relevant “point of exposure” for modeling purposes becomes a hypothetical point of drinking water exposure located at a distance of 1,000 feet down gradient of the delineated site contamination in the surficial aquifer. However, a surface water body, Dundee Canal, is located approximately 1,100 feet southeast from the estimated source location, and it acts as a physical barrier to further migration of dissolved phase contamination. As such, the Dundee Canal was used as the location of the nearest down gradient potential receptor for the purpose of modeling contaminant transport. There is no evidence to suggest that the Dundee Canal is used as a drinking water source.

No drinking water wells have been identified in the down gradient vicinity of the Property. In addition, Chatham County Ordinance §15-616 requires property owners to connect to a government-owned public or community water system when such connection is available within two hundred (200) feet of a building or residence, or available in the public rights-of-way abutting the property, regardless of distance. Property owners which have access to the public water supply are required to tie into that water supply as opposed to drilling a drinking water well.

As documented in the April 30, 2012 (1st) Semi-Annual Report, the BIOCHLOR software was utilized to model the fate and transport of impacted groundwater in the shallow aquifer and the potential impact to the down-gradient Dundee Canal. Amec Foster Wheeler has updated the previous fate and transport model utilizing the additional off-site data collected during subsequent progress periods to further validate the predicted plume migration toward the Dundee Canal.

The source of dissolved chlorinated volatile organic compounds (CVOCs) in groundwater at the Property is thought to be in close proximity to the former monitoring well W-4 which exhibited the highest concentration of PCE of 1,800 µg/l on November 6, 1987. However, subsequent analytical results for W-4 and EW-2 (located in close proximity to W-4) reveal a steady decline in PCE concentrations (W-4 at 150 µg/l in 1997 and EW-2 at 76 µg/l in 2012) which indicate that an ongoing source of groundwater contamination does not exist. This conclusion is supported by historical soil testing data in the area which did not identify significant soil impacts. A comprehensive summary of the on-site groundwater testing results along with the well locations is included on the attached Figure 1.

In order to calibrate the model to the field-observed concentrations of PCE, it was necessary to consider the concentrations in the source zone represented by W-4, which exhibited the highest historical concentration of PCE, for some time prior to the first reporting of PCE in 1987. As previously documented, the Property was developed in 1963 and operated as a drum reconditioning facility until 1974 and a drum manufacturing facility until the early 1990s. Although a release to soil and groundwater was first discovered at the Property in 1987, it is reasonable to conclude that a release could have occurred years before that time.

The model was further calibrated by inputting measured parameters such as hydraulic conductivity, hydraulic gradient total organic carbon content of the soil and groundwater CVOC concentrations measured within the source area and the downgradient wells. Typical literature values and/or default values in BIOCHLOR for dispersion, absorption and biotransformation rates were used in the model calculations and adjusted until the constituent distribution curves reasonably matched the groundwater conditions measured at the Property. These parameters are summarized in Table 1.

The BIOCHLOR model from the April 2012 1st Progress Report was reevaluated in the April 2014 4th VRP Progress Report. The results confirmed that CVOCs would not impact Dundee Canal at concentrations exceeding the Georgia In-stream Water Quality Standards. The BIOCHLOR

model was again reassessed utilizing the groundwater data collected during the August 2015 and March 2016 monitoring events. The model was initially calibrated and validated using data from monitoring wells W-4 (source area) and W-5 in 1987 and 1997 and assuming a release date of 1967. A site-specific source decay constant was calculated by plotting the decrease in PCE concentration in W-4 over time and then adjusting this value incrementally to match observed conditions.

The highest concentration of PCE detected on site to date was 1.8 mg/L, detected in W-4 in 1987. As such, this well was considered the general source area. In order to better match observed conditions, two modifications were made to the source area assumption. The initial PCE concentration was increased to 7.5 mg/L to account for degradation/dilution of the release over the twenty-year period between the assumed release date and the first sampling date in 1987. In addition, the assumed source area was moved a short distance to the west of W-4 to account for the observed presence of PCE degradation products in W-4. Calibration and validation of the model using the 1987 and 1997 data indicated good correlation with PCE concentrations, particularly in the area downgradient of W-4. Reasonable correlation of PCE breakdown products with observed values was also obtained as illustrated on the Biochlor output sheets. The predicted values were consistently higher than those observed in the field, indicating the model offers very conservative estimates. Validation runs using more recent data generally offered better correlation, particularly at the down gradient edge of the plume.

Sensitivity analysis of each of the BIOCHLOR model input parameters was performed by increasing and decreasing their baseline values for the calibrated model. The results of the analysis are shown in Table 2 for monitoring well EW-7 which is the point of demonstration well for the groundwater plume. This well is located near the Dundee Canal and therefore, most representative of potential groundwater impacts on the surface water quality.

The model has several built-in default values which help explain why certain parameters have varying degrees of sensitivity. Table 2 shows that the model is most sensitive to changes in hydraulic conductivity, hydraulic gradient and the first-order decay constants rate. Table 2 demonstrates that the baseline model input parameters provide the best overall match for the observed conditions in the point of demonstration well.

Following calibration and validation of the model, predictive model runs were made to assess the potential impact to the Dundee Canal, located approximately 1,100 feet downgradient of the

source area. Based on an initial release in approximately 1967, the model run time was extended to the point beyond which maximum VOC concentrations were predicted to reach the Dundee Canal and had subsequently begun to decline. This point of maximum extent varied somewhat depending on the compound, but was generally realized approximately 100-110 years following the initial release. PCE is not predicted to reach the canal at detectable concentrations. TCE is predicted to reach its maximum concentration of 8 µg/L approximately 50 years from now. DCE is predicted to reach its maximum concentration of 4 µg/L approximately 60 years from now. Vinyl chloride is expected to reach the canal at a concentration of 1 µg/L approximately 50 years from now. As shown on the attached Biochlor outputs, the predicted concentrations at the Dundee Canal are all below the Georgia In-stream Water Quality Standards. Output sheets for the CVOCs just before, during and after their predicted maximum concentration are reached at Dundee Canal are also attached.

Another model iteration was run to predict the maximum extent of the plume, assuming that Dundee Canal does not act as a discharge area for the plume. The modeling time and length were both extended until the maximum lateral extent of the plume had been realized. The model predicts that neither PCE nor vinyl chloride will migrate beyond Dundee Canal. The model does predict that some portion of both the TCE and DCE plume could potentially migrate beyond the canal, although in our opinion, this is unlikely as the canal likely acts as a discharge area. The concentrations of TCE and DCE are not predicted to exceed Type 1 RRS beyond the canal.

Based on current model inputs, the VOC concentrations in EW-7 should currently be generally close to their maximum values and are expected to stabilize and then steadily decline from this point forward, allowing for minor fluctuations. PCE, DCE and vinyl chloride are not predicted to exceed their Type 1 RRS in EW-7. TCE currently exceeds its Type 1 RRS in EW-7 and is predicted to rise to a maximum concentration of approximately 40 µg/L approximately 30 years from now.

As discussed above, for modeling purposes, the assumed initial source area concentration was raised significantly to account for degradation and dilution between the time of the initial release and the first groundwater sampling event. The modeled source area concentration was approximately four times the highest PCE concentration actually detected on site to date. The model predicts that an initial concentration of 7,500 µg/L will not result in an exceedance of the ISWQS for CVOCs at the canal. This condition also represents a worst-case scenario as it does not take into account any of the significant dilution that would be expected during the discharge

of groundwater into the surface water body. This concentration is four times the historically highest PCE concentration detected on the Property to date (nearly 20 years ago) and is 50 times higher than the highest PCE concentration detected by Amec Foster Wheeler since 2012. Similarly, based on the model, the source area concentrations of TCE, DCE and VC could all exceed 10,000 µg/L without resulting in an exceedance of the ISWQS at the canal. Such concentrations are orders of magnitude greater than any that have been observed to date.

The model results for the various calibration, validation and predictive iterations described above are attached along with the model input parameters and sensitivity analysis. A cd-copy of the model is included as well.

ATTACHMENTS

139 Brampton Road Site

Savannah, Georgia

Table 1 – Summary of Biochlor Input Parameters

Parameter	Value	Range of Values	Source of Data
Hydraulic Conductivity	5.6 x 10^{-4} cm/sec	1.02 x10^{-3} to 1.05 x10^{-4} cm/sec	Average of slug test results ranging from, Revised Compliance Status Report, Golder Associates, dated May 11, 2000.
Hydraulic Gradient Ft./Ft.	0.0038	0.002-0.005	Average of Static Water Level Measurements between April 2012 and August 2015. Amec Foster Wheeler Semi-Annual VRP Progress Reports.
Effective Porosity (unitless)	0.25		Estimated based on typical sandy soil Fetter, C.W., Applied Hydrogeology, third edition, 1994;
Longitudinal Dispersivity	20	10-70	Based on estimated plume length using Modified Xu & Eckstein calculation and modified to match observed field conditions.
Transverse Dispersivity	.01		Biochlor recommended value
Vertical Dispersivity	1x10^{-99}		Biochlor recommended value
Retardation Factor (unitless)	1.53		Calculated from $R=1+K_{oc} \times f_{oc} \times \rho/n$.
Aquifer Matrix Density	1.7 gm/cm^3		Estimated based on typical density of clayey sand soil (Fetter, C.W., 1994)
Foc (unitless)	0.0005		Site specific measured value obtained from monitoring well boring EW-1 by Amec Foster Wheeler as reported in April 2012 VRP Progress Report.
Biotransformation Rate Coefficient	PCE - 0.126 TCE – 0.087 DCE – 0.198 VC – 0.693		Based on calibration to field data using 20-year simulation time (release assumed in approximately 1967). Started with literature values (Buss, S.R., Herbert, A.W., Morgan, P., & Thornton, S.F., 2003) and adjusted model to fit field data.
Modeled Area Length	1,100		Plume modeled from EW-4 (location of highest historic PCE concentration) to Dundee Canal.
Modeled Area Width	500 Ft.		Modeled area widths were estimated based on CVOC lateral delineation.

139 Brampton Road Site

Savannah, Georgia

Table 1 – Summary of Biochlor Input Parameters (Continued)

Parameter	Value	Range of Values	Source of Data
Simulation Time	20 – 150 years	20-150 years	Simulation time from estimated release to at, assuming a release date in the 1960s. Calibration run performed using 1987 data from monitoring wells W-4 and W-5. Validation runs were performed at 30 years using 1997 data from W-4 and W-5, 45 years using 2012 data from EW-2 and W-5 and 50 years using 2015/2016 data from EW-2, W-5 and EW-7. Simulation time of up to 150 years used to model maximum extent of plume at which time VOC concentrations at Dundee canal and maximum lateral extent of plume began to decrease.
Source Thickness	20 Ft.		From cross sections prepared by Golder Associates. Revised Compliance Status Report, Golder Associates, dated May 11, 2000.
Source Width	75 Ft.		Modeled as a single-plane source based on limited impacts identified in area surrounding W-4.
Source Concentrations, µg/L	7.5 mg/L		1,800 µg/L detected in W-4 in 1987 represents the highest PCE concentration detected to date and dropped significantly shortly afterward. Assumed source concentration was modified upward to 7,500 µg/L to account for assumed degradation since initial release occurred.

139 Brampton Road Site

Savannah, Georgia

Table 2 - Model Sensitivity Analysis; Calculated for March 2016 at EW-7

Hydraulic Conductivity (Baseline = 9.8 x 10^{-4} cm/sec)				
Constituent	Concentrations (mg/L)			
	2x Baseline	Baseline	0.5xBaseline*	Observed
PCE	0.039	0.007	0.0	0.001
TCE	0.040	0.012	0.0	0.011
DCE	0.029	0.004	0.0	0.003
VC	0.002	0.001	0.0	0.0
Hydraulic Gradient (Baseline = 0.0038)				
Constituent	Concentrations (mg/L)			
	2x Baseline	Baseline	0.5x Baseline	Observed
PCE	0.034	0.007	0.0	0.001
TCE	0.037	0.012	0.0	0.011
DCE	0.027	0.004	0.0	0.003
VC	0.002	0.001	0.0	0.0
Effective Porosity (Baseline = 0.25)				
Constituent	Concentrations (mg/L)			
	1.2x Baseline	Baseline	0.8x Baseline	Observed
PCE	0.003	0.007	0.012	0.001
TCE	0.005	0.012	0.016	0.011
DCE	0.005	0.004	0.014	0.003
VC	0.0	0.001	0.001	0.0
Longitudinal Dispersivity (Baseline = 20 feet)				
Constituent	Concentrations (mg/L)			
	1.5x Baseline	Baseline	0.5x Baseline	Observed
PCE	0.008	0.007	0.005	0.001
TCE	0.010	0.012	0.008	0.011
DCE	0.008	0.004	0.008	0.003
VC	0.001	0.001	0.001	0.0
Transverse Dispersivity (Baseline = 0.1 x Longitudinal Dispersivity)				
Constituent	Concentrations (mg/L)			
	2x Baseline	Baseline	0.5x Baseline	Observed
PCE	0.005	0.007	0.010	0.001
TCE	0.007	0.012	0.013	0.011
DCE	0.006	0.004	0.012	0.003
VC	0.0	0.001	0.001	0.0
Retardation Factor (Baseline = 1.53)				
Constituent	Concentrations (mg/L)			
	1.5x Baseline	Baseline	0.90x Baseline	Observed
PCE	0.005	0.007	0.007	0.001
TCE	0.007	0.012	0.012	0.011
DCE	0.002	0.004	0.004	0.003
VC	0.0	0.001	0.001	0.0
Aquifer Matrix Density (Baseline = 1.7 gm/cm^3)				
Constituent	Concentrations (mg/L)			
	1.2x Baseline	Baseline	0.90x Baseline	Observed
PCE	0.007	0.007	0.007	0.001
TCE	0.012	0.012	0.012	0.011
DCE	0.004	0.004	0.004	0.003
VC	0.001	0.001	0.001	0.0

Table D-2 - Model Sensitivity Analysis; Calculated for March 2016 at EW-7 (cont.)

Foc (Baseline = 0.0005)				
Constituent	Concentrations (mg/L)			
	10x Baseline	Baseline	0.5x Baseline	Observed
PCE	0.003	0.007	0.007	0.001
TCE	0.004	0.012	0.012	0.011
DCE	0.001	0.004	0.004	0.003
VC	0.0	0.001	0.001	0.0
Koc (Baseline = 155-PCE, 166-TCE, 36-DCE, 19-VC)				
Constituent	Concentrations (mg/L)			
	1.5x Baseline	Baseline	0.5x Baseline	Observed
PCE	0.007	0.007	0.007	0.001
TCE	0.012	0.012	0.012	0.011
DCE	0.003	0.004	0.004	0.003
VC	0.001	0.001	0.001	0.0
Biotransformation Rate Constant (Baseline = 0.126-PCE, 0.087-TCE, 0.198-DCE, 0.693-VC)				
Constituent	Concentrations (mg/L)			
	1.5x Baseline	Baseline	0.5x Baseline	Observed
PCE	0.007	0.007	0.001	0.001
TCE	0.012	0.012	0.003	0.011
DCE	0.04	0.004	0.001	0.003
VC	0.001	0.001	0.0	0.0
First Order Decay Constant **(Baseline = 0.06)**				
Constituent	Concentrations (mg/L)			
	1.5x Baseline	Baseline	0.5x Baseline	Observed
PCE	0.017	0.007	0.001	0.001
TCE	0.023	0.012	0.002	0.011
DCE	0.006	0.004	0.001	0.003
VC	0.001	0.001	0.0	0.0
Source Width (Baseline = 75 Ft)				
Constituent	Concentrations (mg/L)			
	1.5x Baseline	Baseline	0.5x Baseline	Observed
PCE	0.010	0.007	0.004	0.001
TCE	0.018	0.012	0.016	0.011
DCE	0.005	0.004	0.002	0.003
VC	0.001	0.001	0.000	0.0

139 Brampton Road Site

Savannah, Georgia

Table 3 – Predicted vs. Observed VOC Concentrations

Well No.	Sampling Date	Contaminant Concentration (mg/L)								Comments/Conclusions
		PCE		TCE		DCE		Vinyl Chloride		
		Predicted	Actual	Predicted	Actual	Predicted	Actual	Predicted	Actual	
W-4 (Source Area Well)	1987	1.63	1.8	1.07	0.04	0.178	0.03	0.025	<0.002	Calibration Run
	1997	0.933	0.15	0.64	0.038	0.124	0.011	0.019	<0.002	Validation Run
	Cleanup Standard	Exceeds Type 1 and 2 RRS		Exceeds Type 1 and 2 RRS		Complies with Type 1 and 2 RRS		Complies with Type 1 and 2 RRS		
W-5 (Downgradient)	1987	0.01	0.012	0.015	<0.005	0.004	<0.005	0.001	<0.002	Calibration Run
	1997	0.079	0.016	0.188	<0.005	0.064	<0.005	0.012	<0.002	Validation Run
	2012	0.099	0.12	0.352	0.057	0.14	0.006	0.027	<0.002	Good correlation between predicated and observed PCE values. Observed concentrations of her constituents consistently below predicted values
	2015	0.083	0.059	0.319	0.034	0.13	0.004	0.025	<0.002	
	Cleanup Standard	Exceeds Type 1 and 2 RRS		Exceeds Type 1 and 2 RRS		Complies with Type 1 and 2 RRS		Complies with Type 1 and 2 RRS		
EW-2 (Downgradient Well)	2012	0.331	0.076	0.343	0.051	0.084	0.016	0.014	<0.002	Observed concentrations are consistently below predicted values
	2015	0.245	0.031	0.256	0.021	0.063	0.0105	0.010	<0.002	
	Cleanup Standard	Exceeds Type 1 and 2 RRS		Exceeds Type 1 and 2 RRS		Complies with Type 1 and 2 RRS		Complies with Type 1 and 2 RRS		
EW-7 (Downgradient Well)	2016	0.001	0.0013	0.007	0.011	0.003	0.003	0.001	<0.002	Good Correlation between predicted and observed values
	Cleanup Standard	Complies with Type 1 and 2 RRS		Exceeds Type 1 and 2 RRS		Complies with Type 1 and 2 RRS		Complies with Type 1 and 2 RRS		

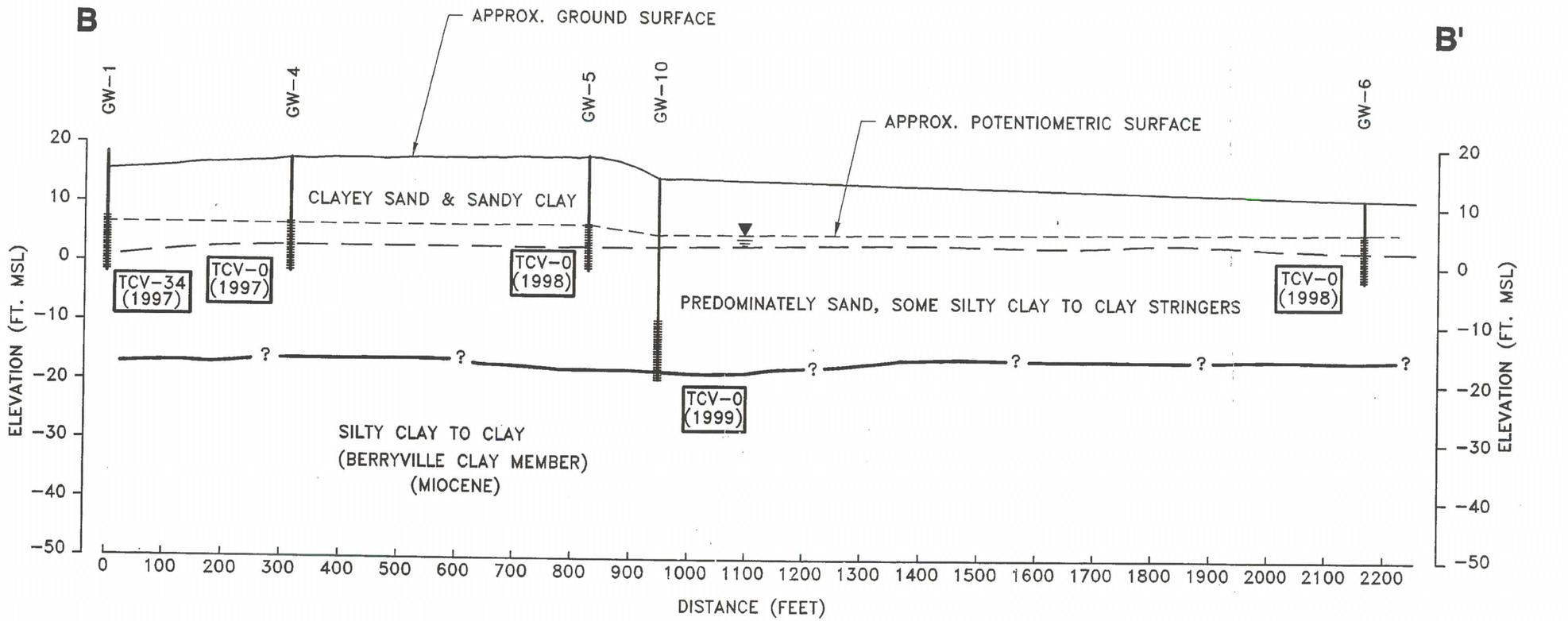
139 Brampton Road Site

Savannah, Georgia

Table 4 – Summary of Predicted Maximum VOC Concentrations in Groundwater at Dundee Canal

Constituent	Predicted Maximum Concentration at Canal*, mg/L	In-Stream Water Quality Standard, mg/L
Tetrachloroethene	<0.001	0.0033
Trichloroethene	0.008	0.030
Dichloroethene	0.004	10.0
Vinyl Chloride	0.001	0.0024

*Predicted value does not take into account any dilution effects from the surface water body



NOTES:

1. CROSS SECTION DRAWN AS SHOWN ON THE PLAN VIEW, FIGURE 8.
2. GROUND SURFACE BASED ON ELEVATIONS SURVEYED AT WELLS, POTENTIOMETRIC SURFACE BASED ON WATER LEVEL MEASUREMENTS AT WELLS.

SCALE IN FEET

0 200 400

VERTICAL EXAGGERATION = 10X

LEGEND

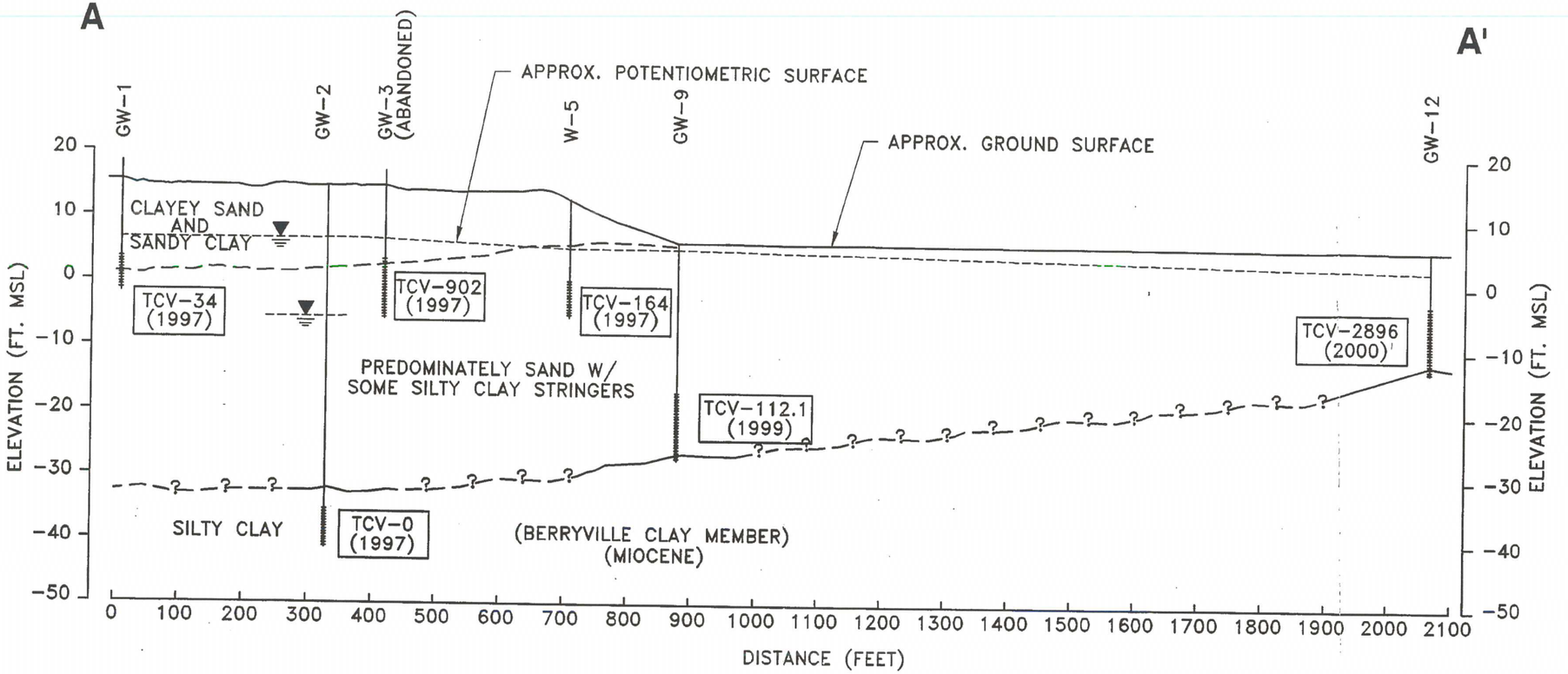
TCV-154	TOTAL CHLORINATED VOLATILES
(1997)	YEAR SAMPLED

Golder Associates — Atlanta, Georgia

CLIENT/PROJECT: SAVANNAH/BRAMPTON ROAD/GA

TITLE: GENERALIZED CROSS SECTION B - B'

DRAWN	RCA	DATE	5/98	JOB NO.	953-3825
CHECKED		SCALE	AS SHOWN	DWG. NO. 02	REV. NO.
REVIEWED	CP	FILE NO.	953-3825	SUBTITLE	FIGURE NO. 5



NOTES:

1. CROSS SECTION DRAWN AS SHOWN ON THE PLAN VIEW, FIGURE 8.
2. GROUND SURFACE BASED ON ELEVATIONS SURVEYED AT WELLS, POTENTIOMETRIC SURFACE BASED ON WATER LEVEL MEASUREMENTS AT WELLS.

LEGEND

TCV-154	TOTAL CHLORINATED VOLATILES
(1997)	YEAR SAMPLED

NOTES:

1. SCREEN LENGTH AT W-5 IS ESTIMATED.

SCALE IN FEET

0 200 400

VERTICAL EXAGGERATION = 10X

Golder Associates — Atlanta, Georgia

CLIENT/PROJECT: SAVANNAH/BRAMPTON ROAD/GA

TITLE: GENERALIZED CROSS SECTION A - A'

DRAWN	R.C.A.	DATE	5/98	JOB NO.	953-3825
CHECKED		SCALE	AS SHOWN	DWG. NO.	REV. NO.
REVIEWED	CP	FILE NO.	953-3825	SUBTITLE	FIGURE NO. 6
				01	

AMECFW		
EW-1	3/8/2012	8/13/15
VOCs	BRL	BRL
METALS		
BARIUM, TOTAL	74	NT
BARIUM, DISSOLVED	68.5	NT

EMC	
P-3	3/1993
VOCs	ND

	EMC	GOLDER
P-2	3/1993	1999
VOCs		
1,1 DICHLOEOETHANE	65.5	33
1,1 DICHLOROETHENE	90.7	23

	DAMES & MOORE		GOLDER	
W-4	11/6/1987	11/16/1987	1997	1997-DUP
VOCs				
1,1 DICHLOROETHANE	130	88	50	48
1,1 DICHLOROETHENE	36	130	45	43
trans 1,2 DICHLOROETHENE	30	30	11	10
BENZENE	14	15.5	47	47
CARBON TETRACHLORIDE	ND	6.2	ND	ND
TETRACHLOROETHENE	1,800	1,000	150	140
TRICHLOROETHENE	40	39	38	37
VINYL CHLORIDE	ND	ND	ND	ND
SVOCs				
1,2 DICHLOROBENZENE	ND	1.1	NT	NT
METALS				
BARIUM	520	520	NT	NT

W-5	DAMES & MOORE	EMC	GOLDER	AMECFW	
	11/6/1987	3/1993	1997	8/8/2012	8/13/15
VOCs					
1,1 DICHLOROETHANE	9.7	127.7	19	28	16.3
1,1 DICHLOROETHENE	44	ND	110	70	48.6
1,2 DICHLOROETHANE	ND	ND	12	<5.0	1.93
cis 1,2 DICHLOROETHENE	ND	ND	<5.0	6.3	4.38
trans 1,2 DICHLOROETHENE	ND	ND	<5.0	<5.0	<1.0
1,1,2 TRICHLOROETHANE	ND	ND	7	<5.0	<1.0
BENZENE	ND	ND	8.4	<5.0	<1.0
TETRACHLOROETHENE	12	26.6	16	120	59.5
TRICHLOROETHENE	ND	ND	<5.0	57	34.0
VINYL CHLORIDE	ND	ND	<10	<2.0	<1.0
METALS					
BARIUM, TOTAL	200	NT	NT	33.3	NT
BARIUM, DISSOLVED	NT	NT	NT	31.8	NT
NICKEL	30	NT	NT	NT	NT

	GOLDER	AMECFW	TYPE 1	TYPE 2
GW-9	1999	3/20/2013		
VOCs				
1,1 DICHLOROETHANE	28	6.14	4000	25
1,1 DICHLOROETHENE	39	15	7	100
1,2 DICHLOROETHENE	9.1	<1.0	5	1.6
BENZENE	8	1.22	5	4.5
TETRACHLOROETHENE	24	5.51	5	19
TRICHLOROETHENE	12	1.65	5	1

NOT FOUND FOR 2015 SAMPLING EVENT

GOLDER	
GW-8	1999
VOCs	
CHLOROFORM	13

AMECFW		
EW-3	3/20/2013	8/11/15
VOCs	BRL	BRL

GOLDER	
GW-11	1999
VOCs	ND

AMECFW				
EW-6	2/12/2014	8/12/15	TYPE 1	TYPE 2
VOCs				
1,1 DICHLOROETHANE	2.16	8.29	4,000	25
1,1 DICHLOROETHENE	2.82	13.2	7	108

AMECFW		
EW-5	2/12/2014	8/12/15
VOCs	BR	BRL

AMECFW				
EW-7	2/12/2014	3/6/2012	3/9/2016	TYPE 1	TYPE 2
VOCs					
1,1 DICHLOROETHANE	3.72	5.06	4.26	4,000	25
DICHLOROETHENE	10.7	14.4	14.7	7	100
cis 1,2 DICHLOROETHENE	<1.0	6	2.8	70	31
TETRACHLOROETHENE	<1.0	<1.0	1.28	5	19
TRICHLOROETHENE	4.34	7	11.3	5	1

EMC	GOLDER
MW-5 3/1993	1997
VOCs	
1,1 DICHLOEOETHANE ND	5.4

EMC	
MW-1	3/1993
VOCs	ND

AMECFW		
EW-2	3/8/2012	8/13/15
VOCs		
1,1 DICHLOROETHANE	5.7	3.79
1,1 DICHLOROETHENE	7.7	6.34
cis 1,2 DICHLOROETHENE	16	10.5
METHYL TERT-BUTYL ETHER	5.1	<2.0
TETRACHLOROETHENE	76	31.2
TRICHLOROETHENE	51	21.0
METALS		
BARIUM, TOTAL	74.1	NT
BARIUM, DISSOLVED	56.5	NT

DAMES & MOORE	
W-3	11/6/1987
VOCs	
1,1 DICHLOROETHANE	20
1,1 DICHLOROETHENE	8.8
1,2 DICHLOROETHANE	51
trans 1,2 DICHLOROETHENE	100
1,1,1 TRICHLOROETHANE	9
BENZENE	12
CHLOROBENZENE	11
TRICHLOROETHENE	95
VINYL CHLORIDE	3.6
SVOCs	
1,2 DICHLOROBENZENE	40
METALS	
BARIUM	280
LEAD	40
NICKEL	50

GOLDER	AMECFW				
GW-10	1999	2/13/2013	8/12/15	TYPE 1	TYPE 2
VOCs					
TETRACHLOROETHENE	<5.0	1.17	4.44	5	19
TRICHLOROETHENE	<5.0	2.55	3.0	5	1
CIS-1,2-DICHLOROETHENE	<5.0	<5.0	1.23	70	31

GOLDER		AMECFW	
GW-5	1998	2/13/2014	8/12/15
VOCs	ND	BRL	BRL

AMECFW		
EW-4	2/12/2014	8/11/15
VOCs	BRL	BRL

GOLDER	AMECFW		
GW-7	1999	3/8/2012	2/13/2014	8/13/15
VOCs				
XYLENES	68	230	<2.0	<2.0
METALS	NT	BRL	NT	NT

GOLDER	AMECFW		
GW-4	1998	2/13/2014	8/12/15
VOCs	ND	BRL	BRL

	GOLDER	AMECFW	
GW-1	1997	3/8/2012	8/13/15
VOCs			
TETRACHLOROETHENE	23	<5.0	<1.0
TRICHLOROETHENE	11	<5.0	<1.0
METALS			
BARIUM, TOTAL	NT	34.1	NT
BARIUM, DISSOLVED	NT	26.2	NT

DAMES & MOORE		EMC
W-2	11/6/1987	3/1993
VOCs		
1,1 DICHLOROETHANE	24	41
1,1 DICHLOROETHENE	25	485
trans 1,2 DICHLOROETHENE	93	ND
1,1,1 TRICHLOROETHANE	18	40
BENZENE	ND	15
ETHYLBENZENE	12	ND
METHYLENE CHLORIDE	6.7	ND
TETRACHLOROETHENE	5.9	ND
TRICHLOROETHENE	7.7	ND
TOLUENE	19	ND
VINYL CHLORIDE	24	22.8
METALS		
BARIUM	350	NT
BERYLLIUM	NT	3
LEAD	20	NT
MERCURY	ND	7
NICKEL	80	NT

DAMES & MOORE		EMC
W-6	11/6/1987	3/1993
VOCs		
1,1 DICHLOROETHANE	3	ND
1,2 TRANS-DICHLOROETHENE	3.9	ND
TRICHLOROETHENE	17	6.6
METALS		
BARIUM	520	NT
LEAD	10	NT

GOLDER	
GW-3	1997
VOCs	
1,1 DICHLOROETHANE	140
1,1 DICHLOROETHENE	210
1,2 DICHLOROETHANE	7.3
cis/trans 1,2 DICHLOROETHENE	64
1,1,1 TRICHLOROETHANE	7.6
BENZENE	17
CHLOROBENZENE	18
ETHYLBENZENE	21
STYRENE	5.9
TETRACHLOROETHENE	400
TRICHLOROETHENE	49
XYLENES	24

CONSTITUENT	MAXIMUM CONTAMINANT LEVEL RRS, UG/L	TYPE 2	IN STREAM WATER QUALITY STANDARD, UG/L
TETRACHLOROETHENE	5	19	3.3
TRICHLOROETHENE	5	1	30
CIS-1,2-DICHLOROETHENE	70	31	NOT ESTABLISHED
1,1-DICHLOROETHANE	7,000	4,025	NOT ESTABLISHED
1,1-DICHLOROETHENE	7	100	7,100

LEGEND:

- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- VOCS — VOLATILE ORGANIC COMPOUNDS
- SVOCS — SEMI-VOLATILE ORGANIC COMPOUNDS
- ND — NOT DETECTED
- NT — NOT TESTED
- BRL — BELOW LABORATORY REPORTING LIMITS
- PCE ISOPLETH (1987)
- TCE ISOPLETH (1987)

PROPERTY OF MCDONALD VENTURES

ESTIMATED CURRENT EXTENT OF VOC PLUME

10 ug/L
100 ug/L
10 ug/L
1000 ug/L

DUNDEE CANAL

BRAMPTON ROAD

PROPERTY OF NORFOLK SOUTHERN

SCALE IN FEET
0 140 280

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DESIGNED	S. FOLEY
DRAWN	T. GLADSTONE
CHECKED	S. FOLEY
IN CHARGE	C. FERRY
DATE	10/21/2016

139 BRAMPTON ROAD
SAVANNAH, GA.

amec foster wheeler
ENVIRONMENT & INFRASTRUCTURE, INC.
2677 BUFORD HWY, ATLANTA, GA. 30324
(404) 873-4761

1987 TETRACHLOROETHENE AND TRICHLOROETHENE ISOPLETHS

SCALE	AS SHOWN
CONTRACT	6121-09-0220
DWG. NO.	9
REV	
PAGE NO.	

J:\VGRNER RHEEM\1987 TETRA AND TRICH ISP.dwg - APRIL 2012 WP - GW RESULTS 10/21/2016 4:23pm tonyg.gladstone

AMECFW		
EW-1	3/8/2012	8/13/15
VOCs	BRL	BRL
METALS		
BARIUM, TOTAL	74	NT
BARIUM, DISSOLVED	68.5	NT

EMC	
P-3	3/1993
VOCs	ND

	EMC	GOLDER
P-2	3/1993	1999
VOCs		
1,1 DICHLOROETHANE	65.5	33
1,1 DICHLOROETHENE	90.7	23

W-4	DAMES & MOORE 11/6/1987	11/19/1987	GOLDER 1997	1997-DUP
VOCs				
1,1 DICHLOROETHANE	130	88	50	48
1,1 DICHLOROETHENE	36	130	45	43
trans 1,2 DICHLOROETHENE	30	30	11	10
BENZENE	14	15.5	47	47
CARBON TETRACHLORIDE	ND	6.2	ND	ND
TETRACHLOROETHENE	1,800	1,000	150	140
TRICHLOROETHENE	40	39	38	37
VINYL CHLORIDE	ND	ND	ND	ND
SVOCs				
1,2 DICHLOROBENZENE	ND	1.1	NT	NT
METALS				
BARIUM	520	520	NT	NT

W-5	DAMES & MOORE 11/6/1987	EMC 3/1993	GOLDER 1997	AMECFW 3/8/2012	8/13/15
VOCs					
1,1 DICHLOROETHANE	9.7	127.7	19	28	16.3
1,1 DICHLOROETHENE	44	ND	110	70	48.6
1,2 DICHLOROETHANE	ND	ND	12	<5.0	1.93
cis 1,2 DICHLOROETHENE	ND	ND	<5.0	6.3	4.38
trans 1,2 DICHLOROETHENE	ND	ND	<5.0	<5.0	<1.0
1,1,2 TRICHLOROETHANE	ND	ND	7	<5.0	<1.0
BENZENE	ND	ND	8.4	<5.0	<1.0
TETRACHLOROETHENE	12	26.6	16	120	59.5
TRICHLOROETHENE	ND	ND	<5.0	57	34.0
VINYL CHLORIDE	ND	ND	<10	<2.0	<1.0
METALS					
BARIUM, TOTAL	200	NT	NT	33.3	NT
BARIUM, DISSOLVED	NT	NT	NT	31.8	NT
NICKEL	30	NT	NT	NT	NT

GW-9	GOLDER 1999	AMECFW 3/20/2013	TYPE 1	TYPE 2
VOCs				
1,1 DICHLOROETHANE	28	6.14	4000	25
1,1 DICHLOROETHENE	39	15	7	100
1,2 DICHLOROETHENE	9.1	<1.0	5	1.6
BENZENE	8	1.22	5	4.5
TETRACHLOROETHENE	24	5.51	5	19
TRICHLOROETHENE	12	1.65	5	1

NOT FOUND FOR 2015 SAMPLING EVENT

GOLDER	
GW-8	1999
VOCs	
CHLOROFORM	13

AMECFW		
EW-3	3/20/2013	8/11/15
VOCs	BRL	BRL

GOLDER	
GW-11	1999
VOCs	ND

AMECFW				
EW-6	2/12/2014	8/12/15	TYPE 1	TYPE 2
VOCs				
1,1 DICHLOROETHANE	2.16	8.29	4,000	25
1,1 DICHLOROETHENE	2.82	13.2	7	108

AMECFW		
EW-5	2/12/2014	8/12/15
VOCs	BR	BRL

AMECFW					
EW-7	2/12/2014	3/6/2012	3/9/2016	TYPE 1	TYPE 2
VOCs					
1,1 DICHLOROETHANE	3.72	5.06	4.26	4,000	25
DICHLOROETHENE	10.7	14.4	14.7	7	100
cis 1,2 DICHLOROETHENE	<1.0	6	2.8	70	31
TETRACHLOROETHENE	<1.0	<1.0	1.28	5	19
TRICHLOROETHENE	4.34	7	11.3	5	1

EMC	GOLDER
MW-5 3/1993	1997
VOCs	
1,1 DICHLOROETHANE ND	5.4

EMC	
MW-1	3/1993
VOCs	ND

GOLDER	
GW-2	1997
VOCs	ND

AMECFW		
EW-2	3/8/2012	8/13/15
VOCs		
1,1 DICHLOROETHANE	5.7	3.79
1,1 DICHLOROETHENE	7.7	6.34
cis 1,2 DICHLOROETHENE	16	10.5
METHYL TERT-BUTYL ETHER	5.1	<2.0
TETRACHLOROETHENE	76	31.2
TRICHLOROETHENE	51	21.0
METALS		
BARIUM, TOTAL	74.1	NT
BARIUM, DISSOLVED	56.5	NT

DAMES & MOORE	
W-3	11/6/1987
VOCs	
1,1 DICHLOROETHANE	20
1,1 DICHLOROETHENE	8.8
1,2 DICHLOROETHANE	51
trans 1,2 DICHLOROETHENE	100
1,1,1 TRICHLOROETHANE	9
BENZENE	12
CHLOROBENZENE	11
TRICHLOROETHENE	95
VINYL CHLORIDE	3.6
SVOCs	
1,2 DICHLOROBENZENE	40
METALS	
BARIUM	280
LEAD	40
NICKEL	50

AMECFW		
EW-4	2/12/2014	8/11/15
VOCs	BRL	BRL

GOLDER		AMECFW	
GW-10	1999	2/13/2013	8/12/15	TYPE 1	TYPE 2
VOCs					
TETRACHLOROETHENE	<5.0	1.17	4.44	5	19
TRICHLOROETHENE	<5.0	2.55	3.0	5	1
CIS-1,2-DICHLOROETHENE	<5.0	<5.0	1.23	70	31

GOLDER		AMECFW	
GW-5	1998	2/13/2014	8/12/15
VOCs	ND	BRL	BRL

GOLDER		AMECFW	
GW-7	1999	3/8/2012	2/13/2014	8/13/15
VOCs				
XYLENES	68	230	<2.0	<2.0
METALS	NT	BRL	NT	NT

GOLDER		AMECFW	
GW-1	1997	3/8/2012	8/13/15
VOCs			
TETRACHLOROETHENE	23	<5.0	<1.0
TRICHLOROETHENE	11	<5.0	<1.0
METALS			
BARIUM, TOTAL	NT	34.1	NT
BARIUM, DISSOLVED	NT	26.2	NT

GOLDER		AMECFW	
GW-4	1998	2/13/2014	8/12/15
VOCs	ND	BRL	BRL

DAMES & MOORE		EMC	
W-2	11/6/1987	3/1993	
VOCs			
1,1 DICHLOROETHANE	24	41	
1,1 DICHLOROETHENE	25	485	
trans 1,2 DICHLOROETHENE	93	ND	
1,1,1 TRICHLOROETHANE	18	40	
BENZENE	ND	15	
ETHYLBENZENE	12	ND	
METHYLENE CHLORIDE	6.7	ND	
TETRACHLOROETHENE	5.9	ND	
TRICHLOROETHENE	7.7	ND	
TOLUENE	19	ND	
VINYL CHLORIDE	24	22.8	
METALS			
BARIUM	350	NT	
BERYLLIUM	NT	3	
LEAD	20	NT	
MERCURY	ND	7	
NICKEL	80	NT	

DAMES & MOORE		EMC	
W-6	11/6/1987	3/1993	
VOCs			
1,1 DICHLOROETHANE	3	ND	
1,2 TRANS-DICHLOROETHENE	3.9	ND	
TRICHLOROETHENE	17	6.6	
METALS			
BARIUM	520	NT	
LEAD	10	NT	

GOLDER	
GW-3	1997
VOCs	
1,1 DICHLOROETHANE	140
1,1 DICHLOROETHENE	210
1,2 DICHLOROETHANE	7.3
cis/trans 1,2 DICHLOROETHENE	64
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TETRACHLOROETHENE	400
TRICHLOROETHENE	49
XYLENES	24

CONSTITUENT	MAXIMUM CONTAMINANT LEVEL RRS, UG/L	TYPE 2	IN STREAM WATER QUALITY STANDARD, UG/L
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TRICHLOROETHENE	5	1	30
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1,1-DICHLOROETHANE	7,000	4,025	NOT ESTABLISHED
1,1-DICHLOROETHENE	7	100	7,100

LEGEND:

- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- VOCS — VOLATILE ORGANIC COMPOUNDS
- SVOCS — SEMI-VOLATILE ORGANIC COMPOUNDS
- ND — NOT DETECTED
- NT — NOT TESTED
- BRL — BELOW LABORATORY REPORTING LIMITS
- PCE ISOPLETH (1987)
- TCE ISOPLETH (1987)

NOTES:
RESULTS REPORTED IN MICROGRAMS PER LITER

GW-12 EW-3 GW-8 GW-11 GW-9 EW-5 EW-6 EW-7 EW-1 P-3 P-2 W-5 W-4 GW-2 W-3 EW-2 GW-3 MW-5 MW-1 W-2 W-6 GW-1 GW-10 GW-5 GW-6 EW-4 GW-7 GW-4

ESTIMATED CURRENT EXTENT OF VOC PLUME

10 ug/L 100 ug/L

PROPERTY OF MCDONALD VENTURES

PROPERTY OF NORFOLK SOUTHERN

DUNDEE CANAL

BRAMPTON ROAD

SCALE IN FEET
0 140 280

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DESIGNED	S. FOLEY
DRAWN	t. GLADSTONE
CHECKED	S. FOLEY
IN CHARGE	C. FERRY
DATE	10/21/2016

139 BRAMPTON ROAD
SAVANNAH, GA.

amec foster wheeler
ENVIRONMENT & INFRASTRUCTURE, INC.
2677 BUFORD HWY, ATLANTA, GA 30324
(404) 873-4761

1997 TETRACHLOROETHENE AND TRICHLOROETHEN ISOPLETHS

SCALE	AS SHOWN
CONTRACT	6121-09-0220
DWG NO.	9
REV	
PAGE NO	

J:\VGRNER RHEEM\1997 TETRA AND TRICHLOR ISO.dwg - APRIL 2012 VARP - GW RESULTS 10/21/2016 4:23pm tonya.gladstone

AMECFW		
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VOCs	BRL	BRL
METALS		
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BARIUM, DISSOLVED	68.5	NT

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VOCs	ND

	EMC	GOLDER
P-2	3/1993	1999
VOCs		
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1,1 DICHLOROETHENE	90.7	23

	DAMES & MOORE		GOLDER	
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VOCs				
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1,1 DICHLOROETHENE	36	130	45	43
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CARBON TETRACHLORIDE	ND	6.2	ND	ND
TETRACHLOROETHENE	1,800	1,000	150	140
TRICHLOROETHENE	40	39	38	37
VINYL CHLORIDE	ND	ND	ND	ND
SVOCs				
1,2 DICHLOROBENZENE	ND	1.1	NT	NT
METALS				
BARIUM	520	520	NT	NT

W-5	DAMES & MOORE	EMC	GOLDER	AMECFW	
	11/6/1987	3/1993	1997	3/8/2012	8/13/15
VOCs					
1,1 DICHLOROETHANE	9.7	127.7	19	28	16.3
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TETRACHLOROETHENE	12	26.6	16	120	59.5
TRICHLOROETHENE	ND	ND	<5.0	57	34.0
VINYL CHLORIDE	ND	ND	<10	<2.0	<1.0
METALS					
BARIUM, TOTAL	200	NT	NT	33.3	NT
BARIUM, DISSOLVED	NT	NT	NT	31.8	NT
NICKEL	30	NT	NT	NT	NT

	GOLDER	AMECFW	TYPE 1	TYPE 2
GW-9	1999	3/20/2013		
VOCs				
1,1 DICHLOROETHANE	28	6.14	4000	25
1,1 DICHLOROETHENE	39	15	7	100
1,2 DICHLOROETHENE	9.1	<1.0	5	1.6
BENZENE	8	1.22	5	4.5
TETRACHLOROETHENE	24	5.51	5	19
TRICHLOROETHENE	12	1.65	5	1

NOT FOUND FOR 2015 SAMPLING EVENT

GOLDER	
GW-8	1999
VOCs	
CHLOROFORM	13

AMECFW		
EW-3	3/20/2013	8/11/15
VOCs	BRL	BRL

GOLDER	
GW-11	1999
VOCs	ND

AMECFW				
EW-6	2/12/2014	8/12/15	TYPE 1	TYPE 2
VOCs				
1,1 DICHLOROETHANE	2.16	8.29	4,000	25
1,1 DICHLOROETHENE	2.82	13.2	7	108

AMECFW		
EW-5	2/12/2014	8/12/15
VOCs	BR	BRL

AMECFW				
EW-7	2/12/2014	3/8/2012	3/9/2016	TYPE 1	TYPE 2
VOCs					
1,1 DICHLOROETHANE	3.72	5.06	4.26	4,000	25
DICHLOROETHENE	10.7	14.4	14.7	7	100
cis 1,2 DICHLOROETHENE	<1.0	6	2.8	70	31
TETRACHLOROETHENE	<1.0	<1.0	1.28	5	19
TRICHLOROETHENE	4.34	7	11.3	5	1

AMECFW		
EW-2	3/8/2012	8/13/15
VOCs		
1,1 DICHLOROETHANE	5.7	3.79
1,1 DICHLOROETHENE	7.7	6.34
cis 1,2 DICHLOROETHENE	16	10.5
METHYL TERT-BUTYL ETHER	5.1	<2.0
TETRACHLOROETHENE	76	31.2
TRICHLOROETHENE	51	21.0
METALS		
BARIUM, TOTAL	74.1	NT
BARIUM, DISSOLVED	56.5	NT

EMC	GOLDER
MW-5	3/1993	1997
VOCs		
1,1 DICHLOEOETHANE	ND	5.4

EMC	
MW-1	3/1993
VOCs	ND

DAMES & MOORE	
W-3	11/6/1987
VOCs	
1,1 DICHLOROETHANE	20
1,1 DICHLOROETHENE	8.8
1,2 DICHLOROETHANE	51
trans 1,2 DICHLOROETHENE	100
1,1,1 TRICHLOROETHANE	9
BENZENE	12
CHLOROBENZENE	11
TRICHLOROETHENE	95
VINYL CHLORIDE	3.6
SVOCs	
1,2 DICHLOROBENZENE	40
METALS	
BARIUM	280
LEAD	40
NICKEL	50

AMECFW		
EW-4	2/12/2014	8/11/15
VOCs	BRL	BRL

GOLDER		AMECFW	
GW-7	1999	3/8/2012	2/13/2014	8/13/15
VOCs				
XYLENES	68	230	<2.0	<2.0
METALS	NT	BRL	NT	NT

GOLDER		AMECFW	
GW-10	1999	2/13/2013	8/12/15	TYPE 1	TYPE 2
VOCs					
TETRACHLOROETHENE	<5.0	1.17	4.44	5	19
TRICHLOROETHENE	<5.0	2.55	3.0	5	1
CIS-1,2-DICHLOROETHENE	<5.0	<5.0	1.23	70	31

GOLDER		AMECFW	
GW-5	1998	2/13/2014	8/12/15
VOCs	ND	BRL	BRL

GOLDER		AMECFW	
GW-4	1998	2/13/2014	8/12/15
VOCs	ND	BRL	BRL

GOLDER		AMECFW	
GW-1	1997	3/8/2012	8/13/15
VOCs			
TETRACHLOROETHENE	23	<5.0	<1.0
TRICHLOROETHENE	11	<5.0	<1.0
METALS			
BARIUM, TOTAL	NT	34.1	NT
BARIUM, DISSOLVED	NT	26.2	NT

	DAMES & MOORE	EMC
W-2	11/6/1987	3/1993
VOCs		
1,1 DICHLOROETHANE	24	41
1,1 DICHLOROETHENE	25	485
trans 1,2 DICHLOROETHENE	93	ND
1,1,1 TRICHLOROETHANE	18	40
BENZENE	ND	15
ETHYLBENZENE	12	ND
METHYLENE CHLORIDE	6.7	ND
TETRACHLOROETHENE	5.9	ND
TRICHLOROETHENE	7.7	ND
TOLUENE	19	ND
VINYL CHLORIDE	24	22.8
METALS		
BARIUM	350	NT
BERYLLIUM	NT	3
LEAD	20	NT
MERCURY	ND	7
NICKEL	80	NT

	DAMES & MOORE	EMC
W-6	11/6/1987	3/1993
VOCs		
1,1 DICHLOROETHANE	3	ND
1,2 TRANS-DICHLOROETHENE	3.9	ND
TRICHLOROETHENE	17	6.6
METALS		
BARIUM	520	NT
LEAD	10	NT

GOLDER	
GW-3	1997
VOCs	
1,1 DICHLOROETHANE	140
1,1 DICHLOROETHENE	210
1,2 DICHLOROETHANE	7.3
cis/trans 1,2 DICHLOROETHENE	64
1,1,1 TRICHLOROETHANE	7.6
BENZENE	17
CHLOROBENZENE	18
ETHYLBENZENE	21
STYRENE	5.9
TETRACHLOROETHENE	400
TRICHLOROETHENE	49
XYLENES	24

CONSTITUENT	MAXIMUM CONTAMINANT LEVEL RRS, UG/L	TYPE 2	IN STREAM WATER QUALITY STANDARD, UG/L
TETRACHLOROETHENE	5	19	3.3
TRICHLOROETHENE	5	1	30
CIS-1,2-DICHLOROETHENE	70	31	NOT ESTABLISHED
1,1-DICHLOROETHANE	7,000	4,025	NOT ESTABLISHED
1,1-DICHLOROETHENE	7	100	7,100

LEGEND:

- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- VOCS — VOLATILE ORGANIC COMPOUNDS
- SVOCS — SEMI-VOLATILE ORGANIC COMPOUNDS
- ND — NOT DETECTED
- NT — NOT TESTED
- BRL — BELOW LABORATORY REPORTING LIMITS
- PCE ISOPLETH (2015/2016)
- TCE ISOPLETH (2015/2016)

NOTES:
RESULTS REPORTED IN MICROGRAMS PER LITER

GW-12
GW-9
EW-3
GW-8
EW-5
EW-6
EW-7
GW-2
GW-3
EW-2
W-5
W-3
W-2
W-6
MW-5
MW-1
EW-1
P-3
P-2
GW-1
EW-4
GW-7
GW-10
GW-5
GW-6
GW-4
GW-11

5 ug/L
20 ug/L
50 ug/L
5 ug/L

ESTIMATED CURRENT EXTENT OF VOC PLUME

PROPERTY OF MCDONALD VENTURES

PROPERTY OF NORFOLK SOUTHERN

BRAMPTON ROAD

DUNDEE CANAL

SCALE IN FEET
0 140 280

© COPYRIGHT 2016 AMEC

DESIGNED	S. FOLEY
DRAWN	t. GLADSTONE
CHECKED	S. FOLEY
IN CHARGE	C. FERRY
DATE	10/31/2016

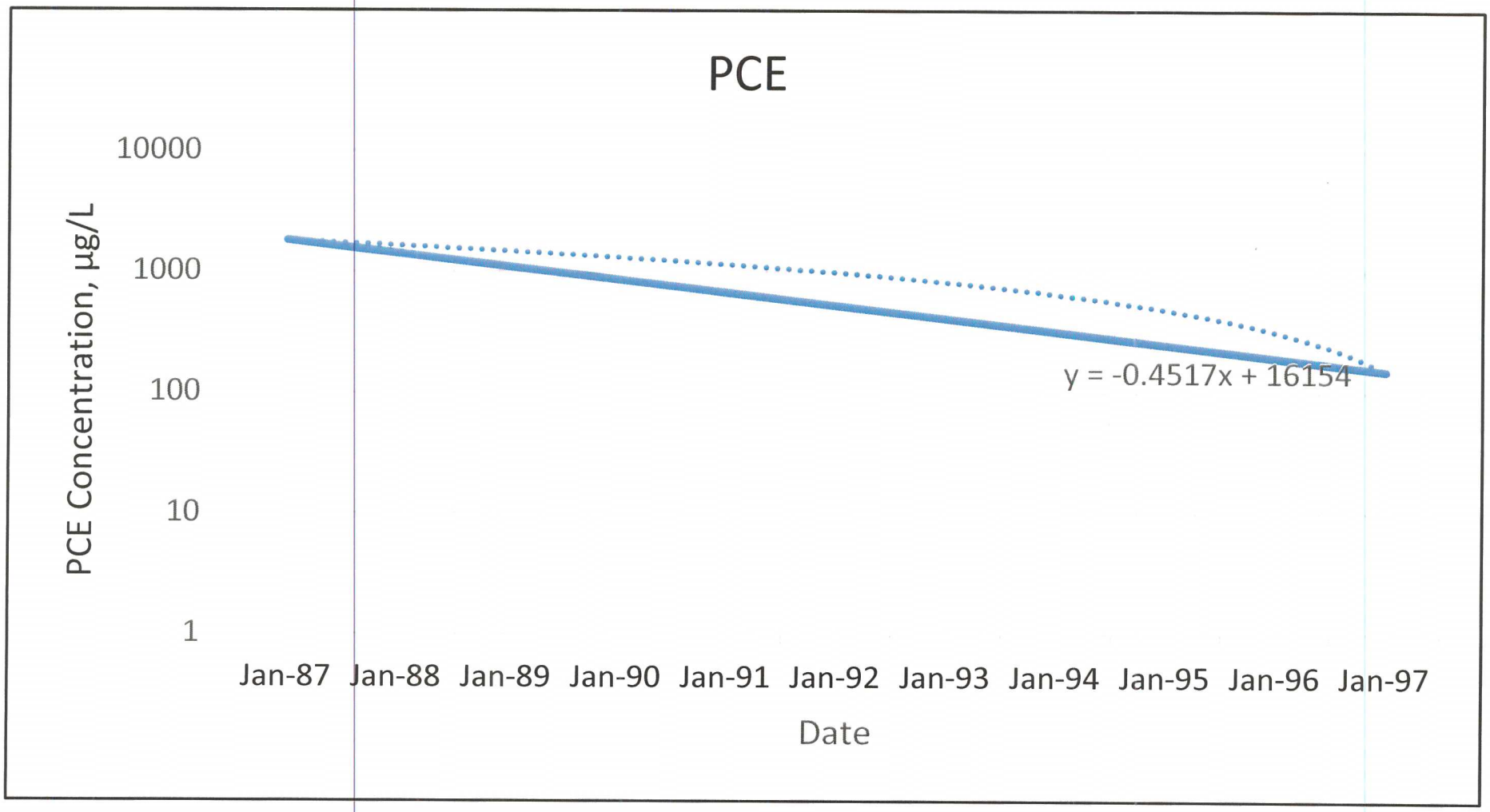
139 BRAMPTON ROAD
SAVANNAH, GA.

amec foster wheeler
ENVIRONMENT & INFRASTRUCTURE, INC.
2677 BUFORD HWY, ATLANTA, GA 30324
(404) 873-4761

2015/2016 TETRACHLOROETHENE AND TRICHLOROETHEN ISOPLETHS

SCALE	AS SHOWN
CONTRACT	6121-09-0220
DWG NO	9
REV	
PAGE NO	

J:\VFORMER RHEEM\2015-2016 TETRA AND TRICHLOR ISO.dwg — 2015-2016 ISO 10/31/2016 11:41am tonya.gladstone


PCE
10000
1000
100
10
1
PCE Concentration, µg/L
y = -0.4517x + 16154
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Date

CALIBRATION RUN: W-4 – W-5 (1987 DATA)

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

139 Brampton Road
Calibration Run_W4 - W5_1987
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
or ↑ 2. Calculate by filling in gray cells. Press Enter, then (C)
0.02
(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	15.4	(ft/yr)
or			
Hydraulic Conductivity	K	9.8E-04	(cm/sec)
Hydraulic Gradient	i	0.0038	(ft/ft)
Effective Porosity	n	0.25	(-)

2. DISPERSION

Alpha x*	20	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	1.E-99	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	5.0E-4	(-)		
Partition Coefficient	Koc			
PCE	155	(L/kg)	1.53	(-)
TCE	166	(L/kg)	1.56	(-)
DCE	36	(L/kg)	1.12	(-)
VC	19	(L/kg)	1.06	(-)
ETH	302	(L/kg)	2.03	(-)
Common R (used in model)* =			**1.53**	

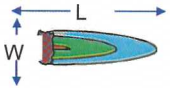
4. BIOTRANSFORMATION

	λ (1/yr)		half-life (yrs)	Yield
Zone 1	-1st Order Decay Coefficient*			
PCE → TCE	0.126	←	5.50	0.79
TCE → DCE	0.087	←	8.00	0.74
DCE → VC	0.198	←	3.50	0.64
VC → ETH	0.693	←	1.00	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*	20	(yr)
Modeled Area Width*	500	(ft)
Modeled Area Length*	1100	(ft)
Zone 1 Length*	1100	(ft)
Zone 2 Length*	0	(ft)



Zone 2=

6. SOURCE DATA

TYPE: Decaying Single Planar

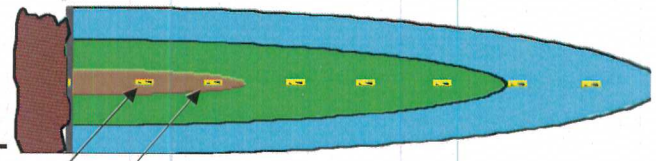
Source Options

Source Thickness in Sat. Zone* 20 (ft)

Y1
Width* (ft) 75

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE	7.5	0.06
TCE		0.06
DCE		0.06
VC		0.06
ETH		0.06

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

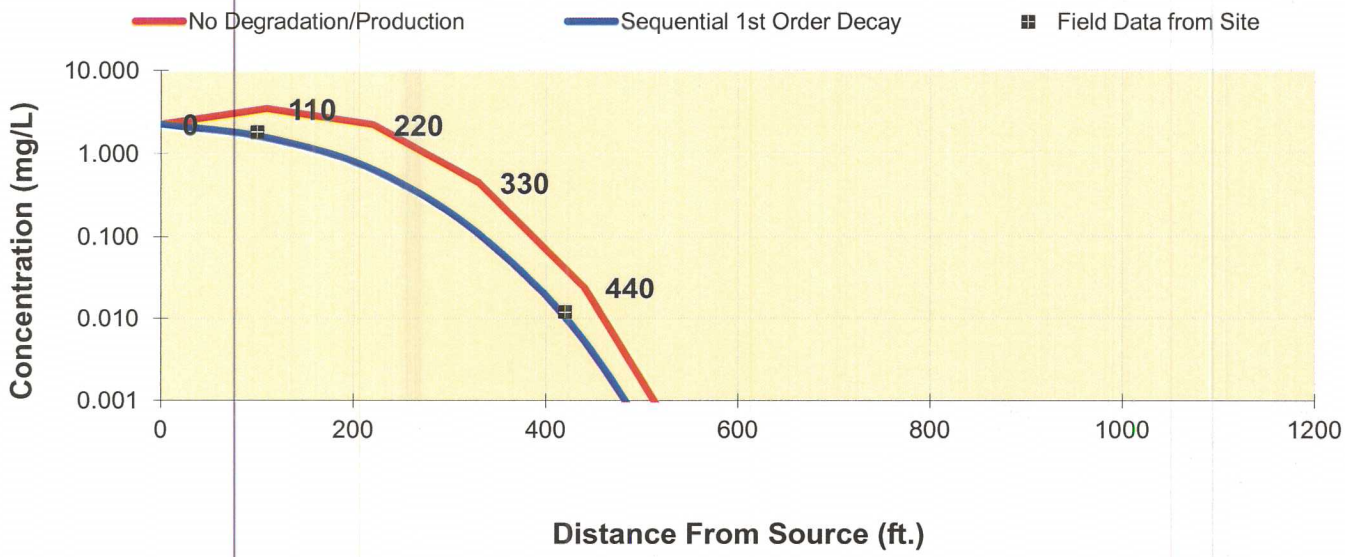
PCE Conc. (mg/L)	1.8	.012									
TCE Conc. (mg/L)	.04	.002									
DCE Conc. (mg/L)	.03	.002									
VC Conc. (mg/L)	0.0	.001									
ETH Conc. (mg/L)											
Distance from Source (ft)	100	420									
Date Data Collected	1987	1987	2012	2015							

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	2.259	3.455	2.223	0.451	0.024	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	2.2590	1.549	0.644	0.108	0.005	0.000	0.000	0.000	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	W-4	W-5									
Field Data from Site	1.800	0.012									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

20.0 Years

Log ⟺ Linear

Return to Input

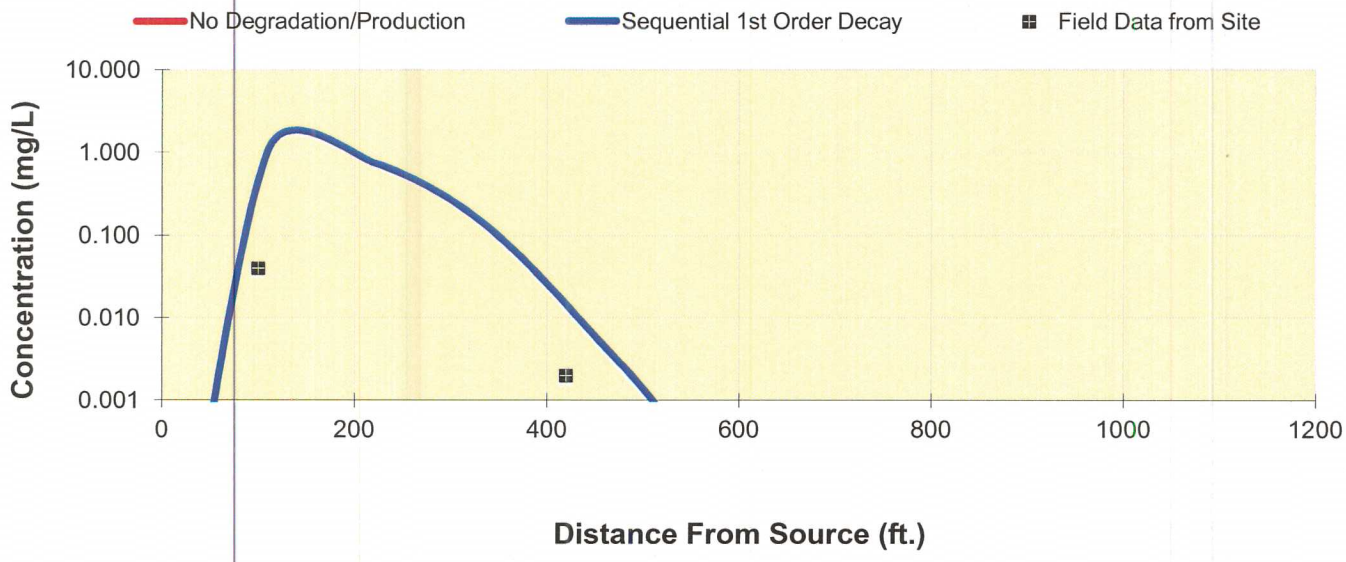
To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	1.056	0.756	0.153	0.008	0.000	0.000	0.000	0.000	0.000	0.000

	Monitoring Well Locations (ft)										
	W-4	W-5									
Field Data from Site	0.040	0.002									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

20.0 Years

Log ⟺ Linear

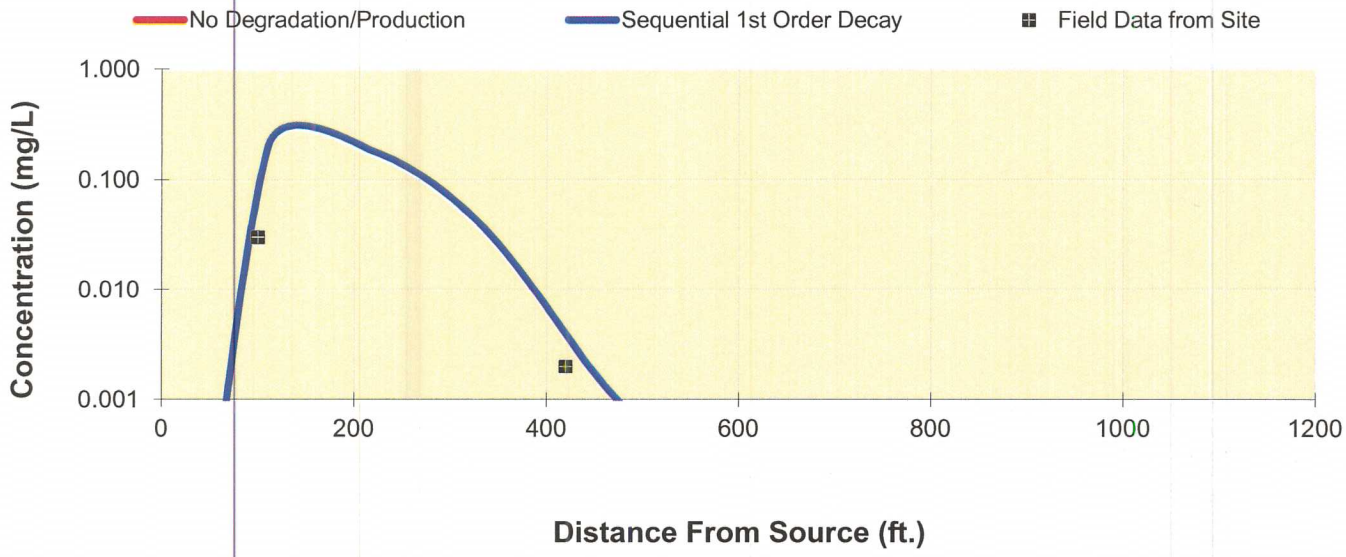
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

DCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.193	0.182	0.040	0.002	0.000	0.000	0.000	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	W-4	W-5									
Field Data from Site	0.030	0.002									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

20.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

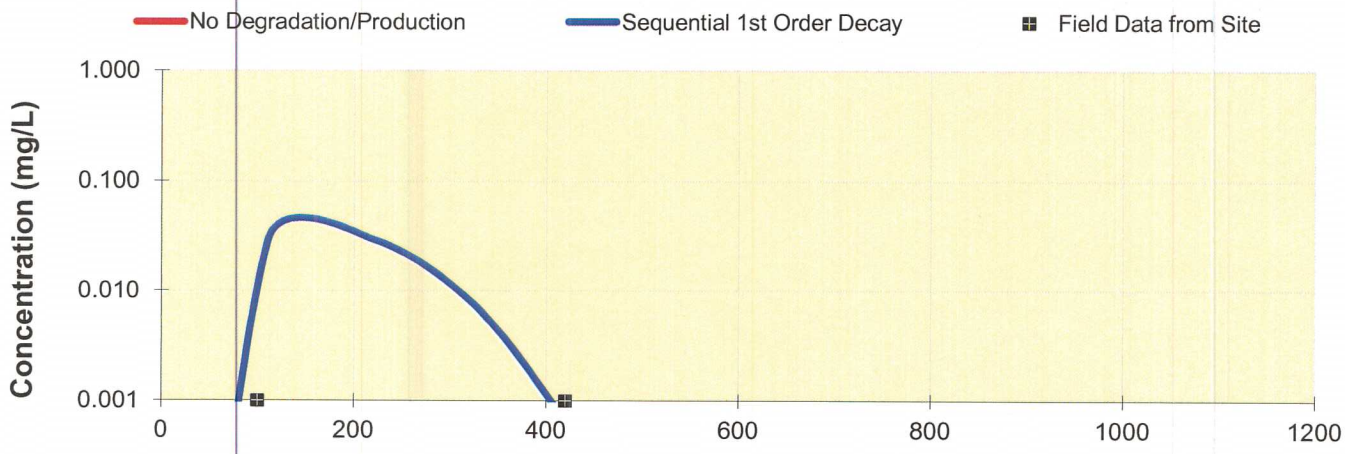
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

VC	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.028	0.029	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Monitoring Well Locations (ft)

	W-4	W-5									
Field Data from Site	0.001	0.001									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

20.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

VALIDATION RUN: W-4 – W-5 (1997 DATA)

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

139 Brampton Road
Validation Run_W4 - W5_1997
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
↑ or 2. Calculate by filling in gray
0.02 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	15.4	(ft/yr)
or			
Hydraulic Conductivity	K	9.8E-04	(cm/sec)
Hydraulic Gradient	i	0.0038	(ft/ft)
Effective Porosity	n	0.25	(-)

2. DISPERSION

Alpha x*	20	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	1.E-99	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R

or

Soil Bulk Density, rho		1.7	(kg/L)
FractionOrganicCarbon, foc		5.0E-4	(-)
Partition Coefficient	Koc		
PCE	155	(L/kg)	1.53 (-)
TCE	166	(L/kg)	1.56 (-)
DCE	36	(L/kg)	1.12 (-)
VC	19	(L/kg)	1.06 (-)
ETH	302	(L/kg)	2.03 (-)
Common R (used in model)* =			**1.53**

4. BIOTRANSFORMATION

-1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.126	5.50	0.79
TCE → DCE	0.087	8.00	0.74
DCE → VC	0.198	3.50	0.64
VC → ETH	0.693	1.00	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*	30	(yr)	
Modeled Area Width*	500	(ft)	
Modeled Area Length*	1100	(ft)	
Zone 1 Length*	1100	(ft)	
Zone 2 Length*	0	(ft)	Zone 2=



6. SOURCE DATA

TYPE: Decaying Single Planar

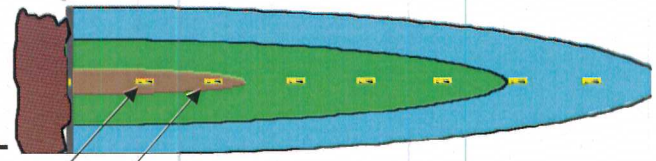
Source Options

Source Thickness in Sat. Zone* 20 (ft)

Y1
Width* (ft) 75

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE	7.5	0.06
TCE		0.06
DCE		0.06
VC		0.06
ETH		0.06

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

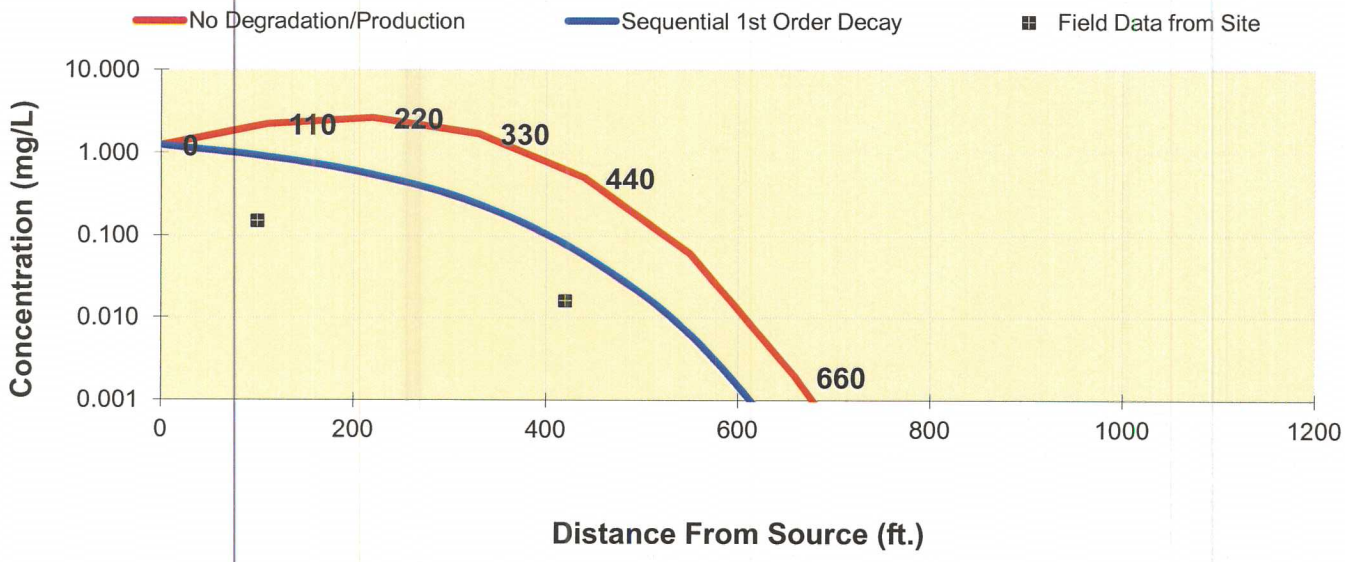
PCE Conc. (mg/L)	.15	.016									
TCE Conc. (mg/L)	.038	.002									
DCE Conc. (mg/L)	.011	.002									
VC Conc. (mg/L)	0.0	.001									
ETH Conc. (mg/L)											
Distance from Source (ft)	100	420									
Date Data Collected	1987										

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	1.240	2.241	2.656	1.715	0.504	0.061	0.002	0.000	0.000	0.000	0.000
Biotransformation	1.2397	0.898	0.544	0.239	0.058	0.006	0.000	0.000	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	W-4	W-5									
Field Data from Site	0.150	0.016									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

30.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

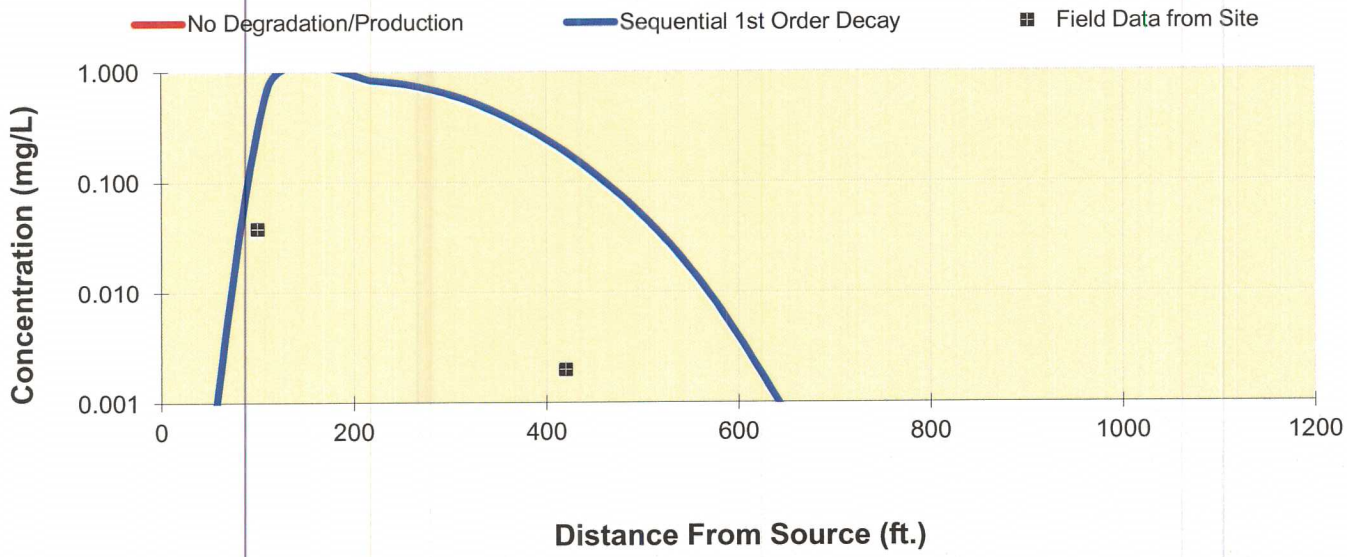
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

TCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.683	0.837	0.504	0.140	0.016	0.001	0.000	0.000	0.000	0.000

Monitoring Well Locations (ft)

	W-4	W-5									
Field Data from Site	0.038	0.002									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

30.0 Years

Log ⟺ Linear

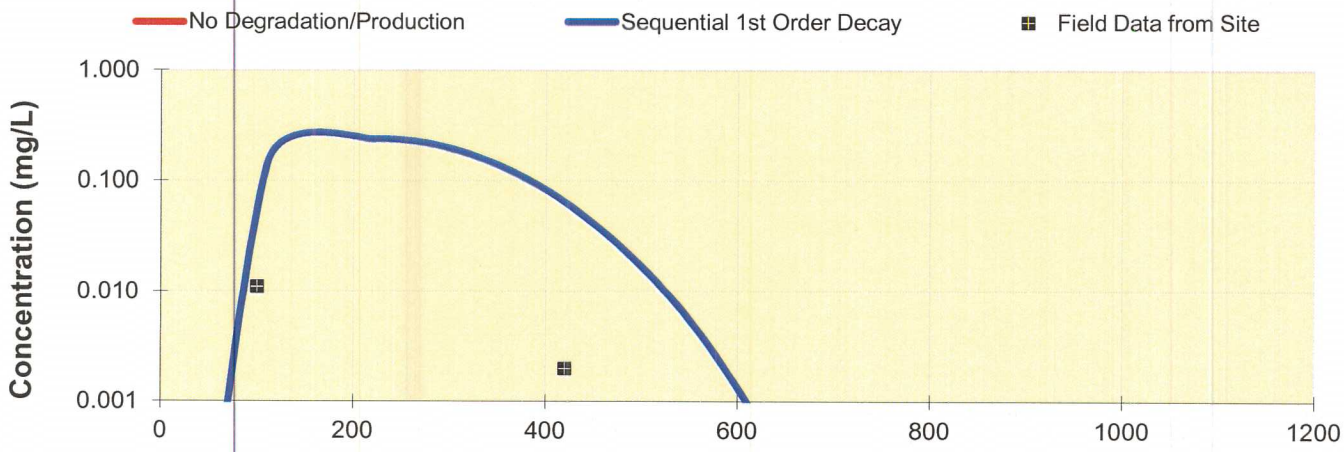
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

DCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.139	0.238	0.163	0.048	0.006	0.000	0.000	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	W-4	W-5									
Field Data from Site	0.011	0.002									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

30.0 Years

Log ⟺ Linear

Return to Input

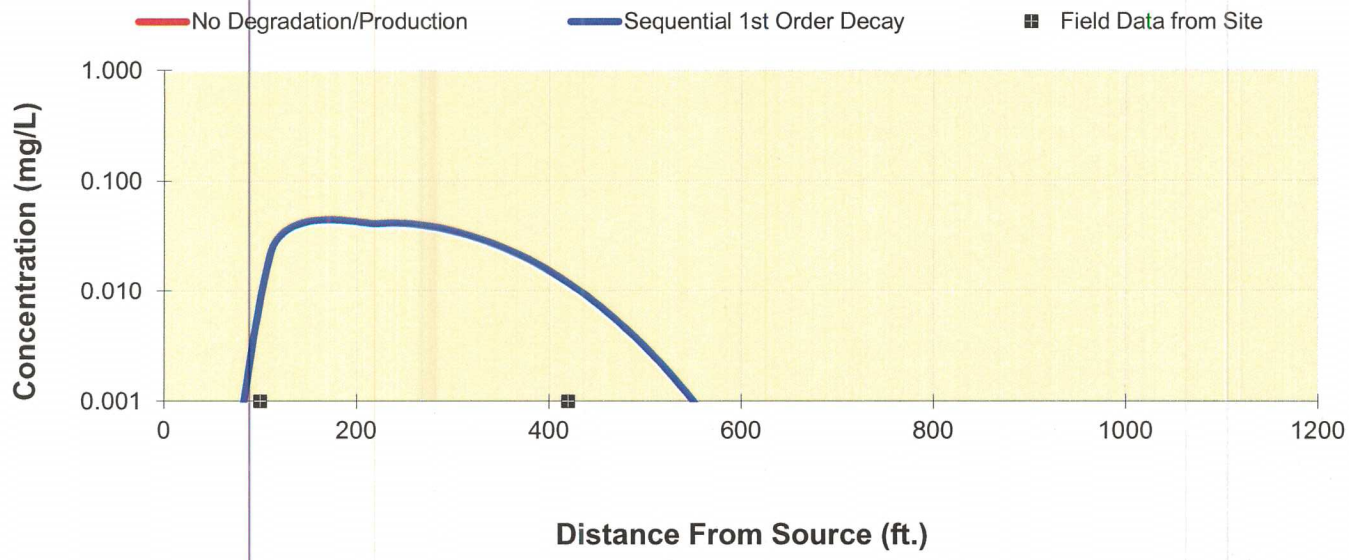
To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

VC	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.021	0.041	0.030	0.009	0.001	0.000	0.000	0.000	0.000	0.000

	Monitoring Well Locations (ft)										
	W-4	W-5									
Field Data from Site	0.001	0.001									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

30.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

VALIDATION RUN: EW-2 – W-5 (2012 DATA)

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

139 Brampton Road
Validation Run_EW2 - W5_2012
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	15.4	(ft/yr)
or			
Hydraulic Conductivity	K	9.8E-04	(cm/sec)
Hydraulic Gradient	i	0.0038	(ft/ft)
Effective Porosity	n	0.25	(-)

2. DISPERSION

Alpha x*	20	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	1.E-99	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor* → R
or

Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	5.0E-4	(-)		
Partition Coefficient	Koc			
PCE	155	(L/kg)	1.53	(-)
TCE	166	(L/kg)	1.56	(-)
DCE	36	(L/kg)	1.12	(-)
VC	19	(L/kg)	1.06	(-)
ETH	302	(L/kg)	2.03	(-)
Common R (used in model)* =			**1.53**	

4. BIOTRANSFORMATION -1st Order Decay Coefficient*

Zone 1	λ (1/yr)	half-life (yrs)	Yield
PCE → TCE	0.126	5.50	0.79
TCE → DCE	0.087	8.00	0.74
DCE → VC	0.198	3.50	0.64
VC → ETH	0.693	1.00	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*	45	(yr)	
Modeled Area Width*	500	(ft)	W
Modeled Area Length*	1100	(ft)	L
Zone 1 Length*	1100	(ft)	
Zone 2 Length*	0	(ft)	Zone 2=

6. SOURCE DATA TYPE: Decaying / Single Planar

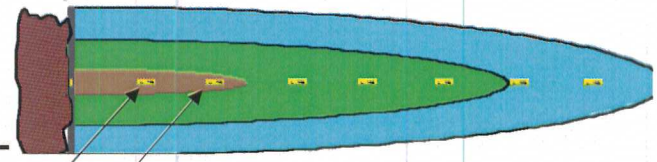
Source Options

Source Thickness in Sat. Zone* 20 (ft)

Width* (ft) Y1: 75

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE	7.5	0.06
TCE		0.06
DCE		0.06
VC		0.06
ETH		0.06

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

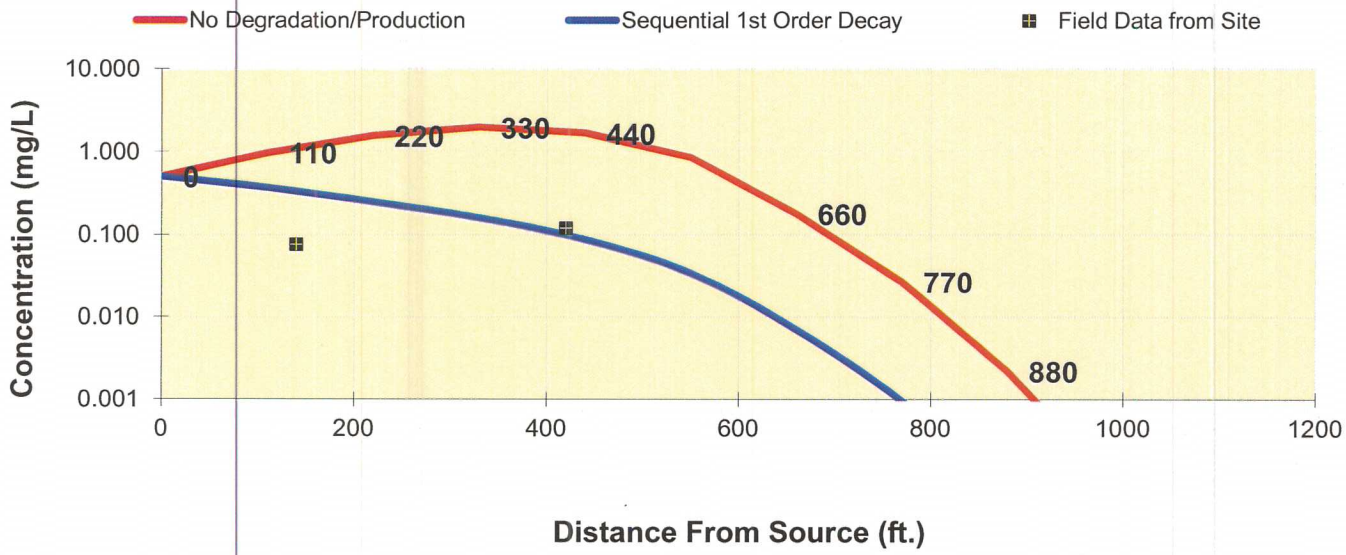
PCE Conc. (mg/L)	.076	.12									
TCE Conc. (mg/L)	.051	.057									
DCE Conc. (mg/L)	.016	.006									
VC Conc. (mg/L)	0.0	.001									
ETH Conc. (mg/L)											
Distance from Source (ft)	140	420									
Date Data Collected	2012	1997	2007	2015							

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.504	0.975	1.564	1.970	1.668	0.851	0.179	0.027	0.002	0.000	0.000
Biotransformation	0.5040	0.369	0.247	0.159	0.087	0.034	0.007	0.001	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5									
Field Data from Site	0.076	0.120									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

45.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

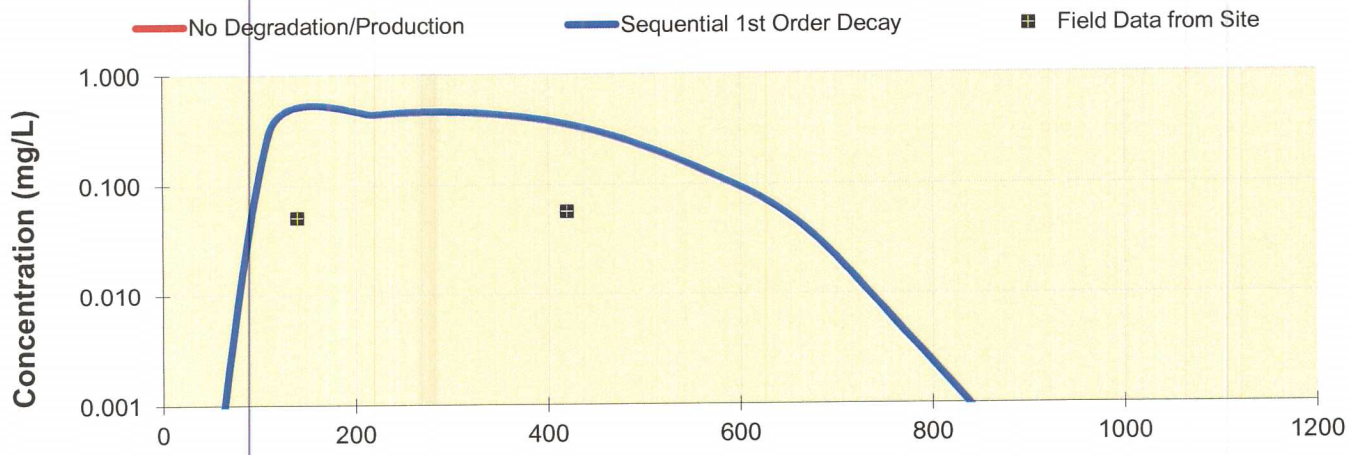
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

TCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.290	0.436	0.447	0.321	0.147	0.045	0.005	0.000	0.000	0.000

Monitoring Well Locations (ft)

	EW-2	W-5									
Field Data from Site	0.051	0.057									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:
45.0 Years
Log ⟺ Linear

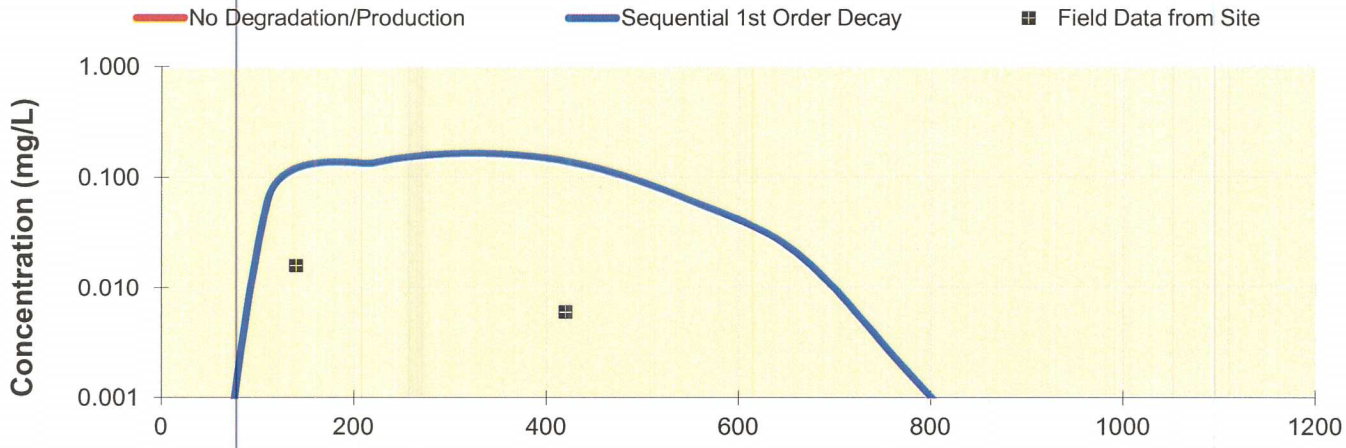
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

DCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.062	0.136	0.165	0.129	0.062	0.021	0.002	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5									
Field Data from Site	0.016	0.006									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

45.0 Years

Log ⟺ Linear

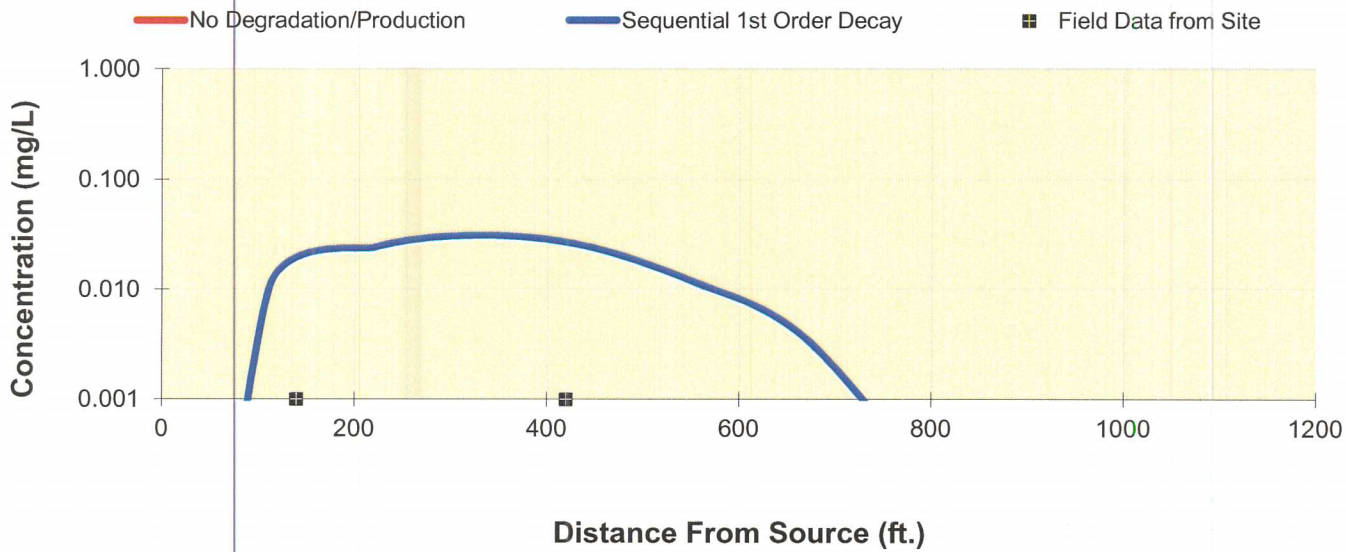
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

VC	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.010	0.024	0.031	0.025	0.012	0.004	0.000	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5									
Field Data from Site	0.001	0.001									



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

45.0 Years

Log ⟷ Linear

Return to Input

To All

To Array

VALIDATION RUN: EW-2 – W-5 – EW-7 (2015/2016 DATA)

BIOCHLOR Natural Attenuation Decision Support System

Version 2.2
Excel 2000

139 Brampton Road
Validation Run_EW2 - W5_2012
Run Name

Data Input Instructions:
115 → 1. Enter value directly....or
↑ or → 2. Calculate by filling in gray
0.02 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	15.4	(ft/yr)
or			
Hydraulic Conductivity	K	9.8E-04	(cm/sec)
Hydraulic Gradient	i	0.0038	(ft/ft)
Effective Porosity	n	0.25	(-)

2. DISPERSION

Alpha x*	20	(ft)
(Alpha y) / (Alpha x)*	0.1	(-)
(Alpha z) / (Alpha x)*	1.E-99	(-)

Calc. Alpha x

3. ADSORPTION

Retardation Factor*			R	
or				
Soil Bulk Density, rho	1.7	(kg/L)		
FractionOrganicCarbon, foc	5.0E-4	(-)		
Partition Coefficient	Koc			
PCE	155	(L/kg)	1.53	(-)
TCE	166	(L/kg)	1.56	(-)
DCE	36	(L/kg)	1.12	(-)
VC	19	(L/kg)	1.06	(-)
ETH	302	(L/kg)	2.03	(-)
Common R (used in model)* =			**1.53**	

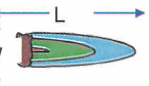
4. BIOTRANSFORMATION

	λ (1/yr)		half-life (yrs)	Yield
Zone 1	-1st Order Decay Coefficient*			
PCE → TCE	0.126	←	5.50	0.79
TCE → DCE	0.087	←	8.00	0.74
DCE → VC	0.198	←	3.50	0.64
VC → ETH	0.693	←	1.00	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*	50	(yr)
Modeled Area Width*	500	(ft)
Modeled Area Length*	1100	(ft)
Zone 1 Length*	1100	(ft)
Zone 2 Length*	0	(ft)



Zone 2=

6. SOURCE DATA

TYPE: Decaying Single Planar

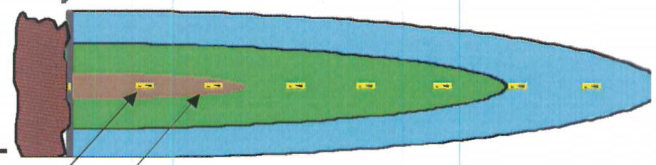
Source Options

Source Thickness in Sat. Zone* 20 (ft)

Width* (ft) Y1: 75

Conc. (mg/L)*	C1	k_s* (1/yr)
PCE	7.5	0.06
TCE		0.06
DCE		0.06
VC		0.06
ETH		0.06

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)	.031	.059	.001								
TCE Conc. (mg/L)	.021	.034	.011								
DCE Conc. (mg/L)	.011	.004	.003								
VC Conc. (mg/L)	0.0	.001	.001								
ETH Conc. (mg/L)											
Distance from Source (ft)	140	420									
Date Data Collected	2015	1997	2012	2015							

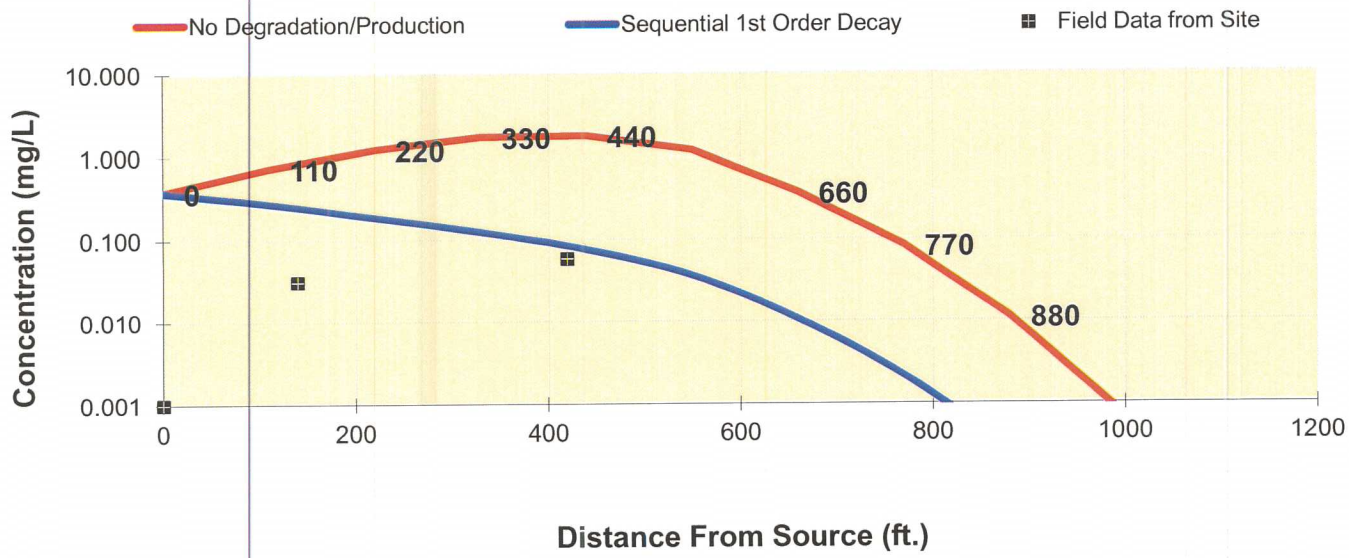
8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE | RUN ARRAY | Help | Restore | RESET | SEE OUTPUT | Paste

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.373	0.728	1.218	1.711	1.754	1.174	0.361	0.083	0.011	0.001	0.000
Biotransformation	0.3734	0.273	0.184	0.123	0.075	0.036	0.010	0.002	0.000	0.000	0.000

	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site	0.031	0.059	0.001								



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

50.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

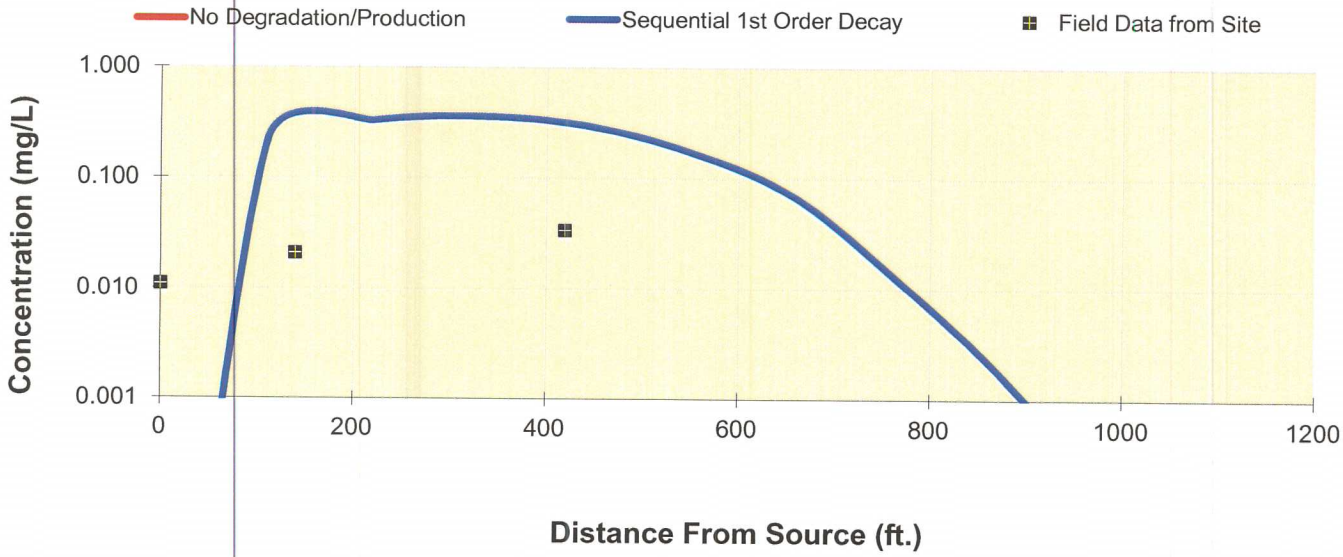
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

TCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.216	0.330	0.362	0.301	0.175	0.068	0.012	0.001	0.000	0.000

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site	0.021	0.034	0.011								



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

50.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

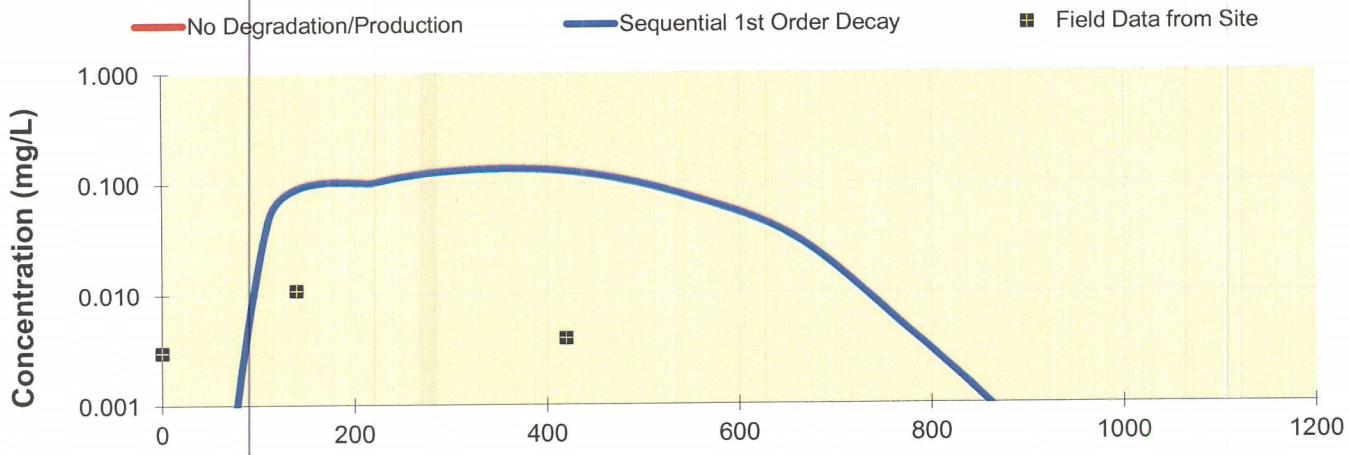
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

DCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.046	0.104	0.137	0.124	0.076	0.032	0.005	0.001	0.000	0.000

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site	0.011	0.004	0.003								



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

50.0 Years

Log ⟺ Linear

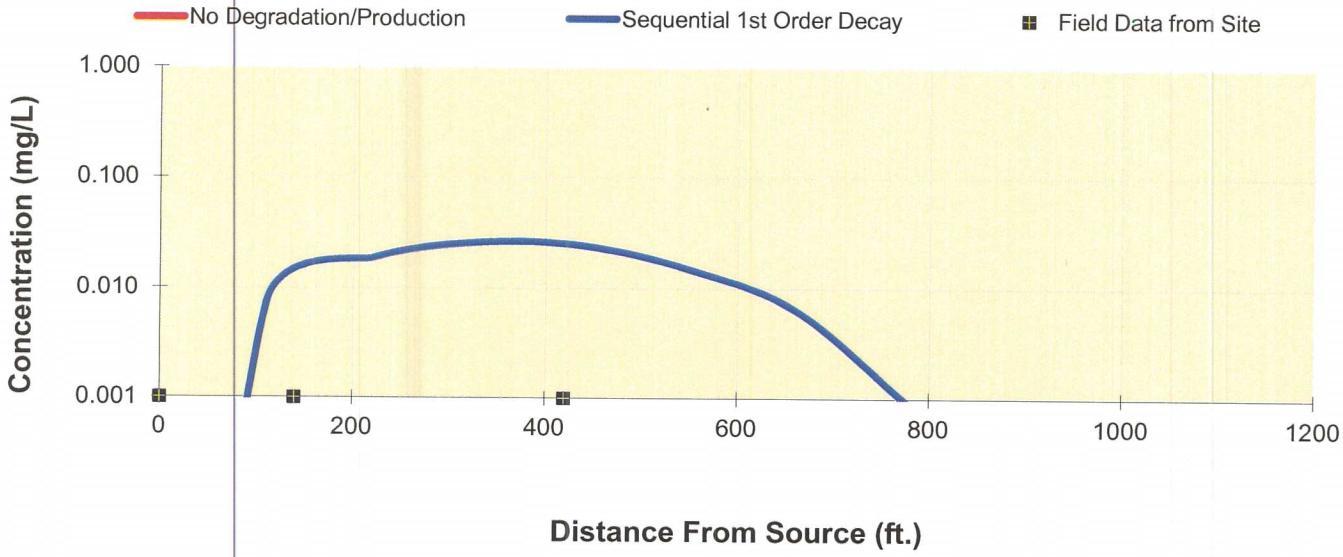
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

VC	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.007	0.019	0.026	0.024	0.015	0.006	0.001	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site	0.001	0.001	0.001								



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

50.0 Years

Log ⟺ Linear

Return to Input

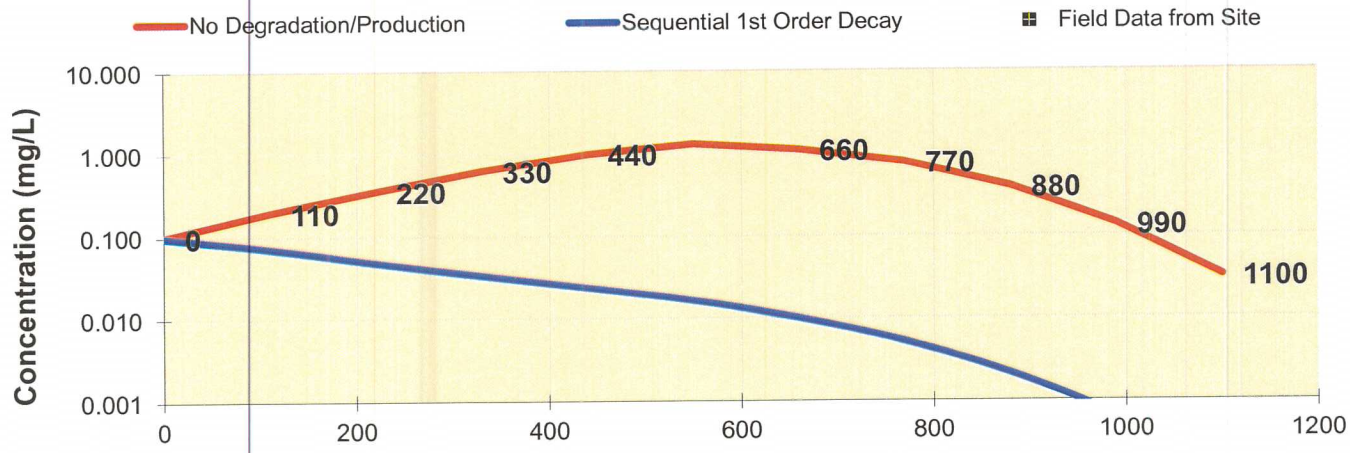
To All

To Array

PREDICTED MAXIMUM CONCENTRATION OF VOCS IN GROUNDWATER AT DUNDEE CANAL

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.100	0.197	0.354	0.620	0.982	1.289	1.093	0.772	0.387	0.135	0.032
Biotransformation	0.0997	0.073	0.049	0.034	0.024	0.017	0.010	0.005	0.002	0.001	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Time:

72.0 Years

Log ⟺ Linear

Replay

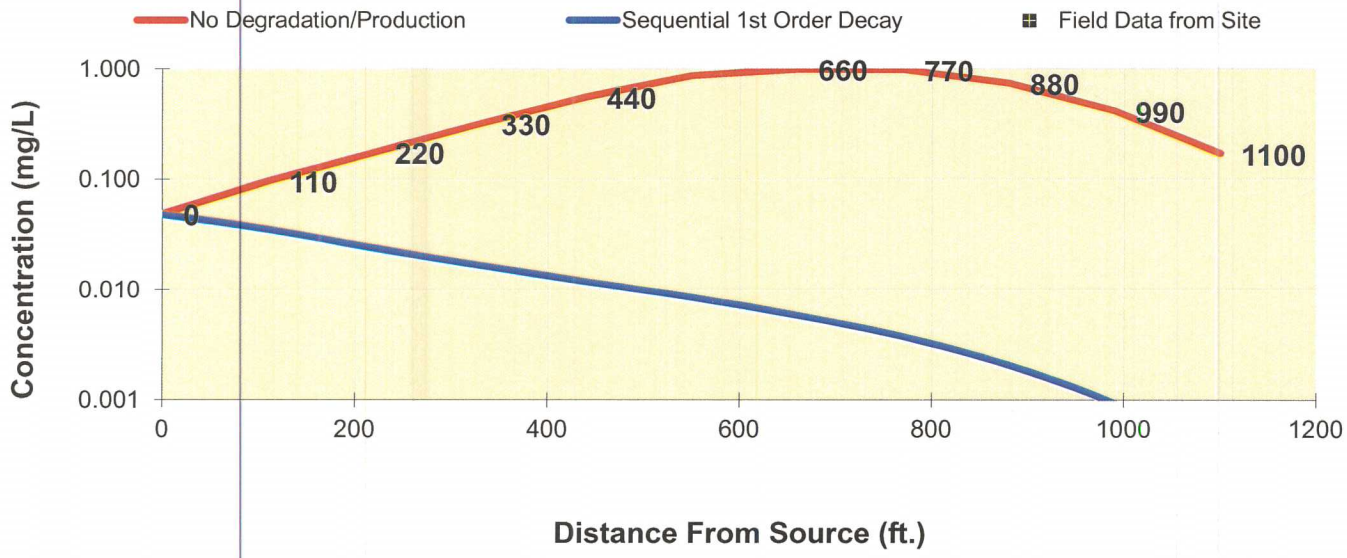
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.049	0.096	0.174	0.317	0.552	0.861	0.987	0.976	0.736	0.413	0.170
Biotransformation	0.0486	0.036	0.024	0.017	0.012	0.008	0.006	0.004	0.002	0.001	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

84.0 Years

Log ⟺ Linear

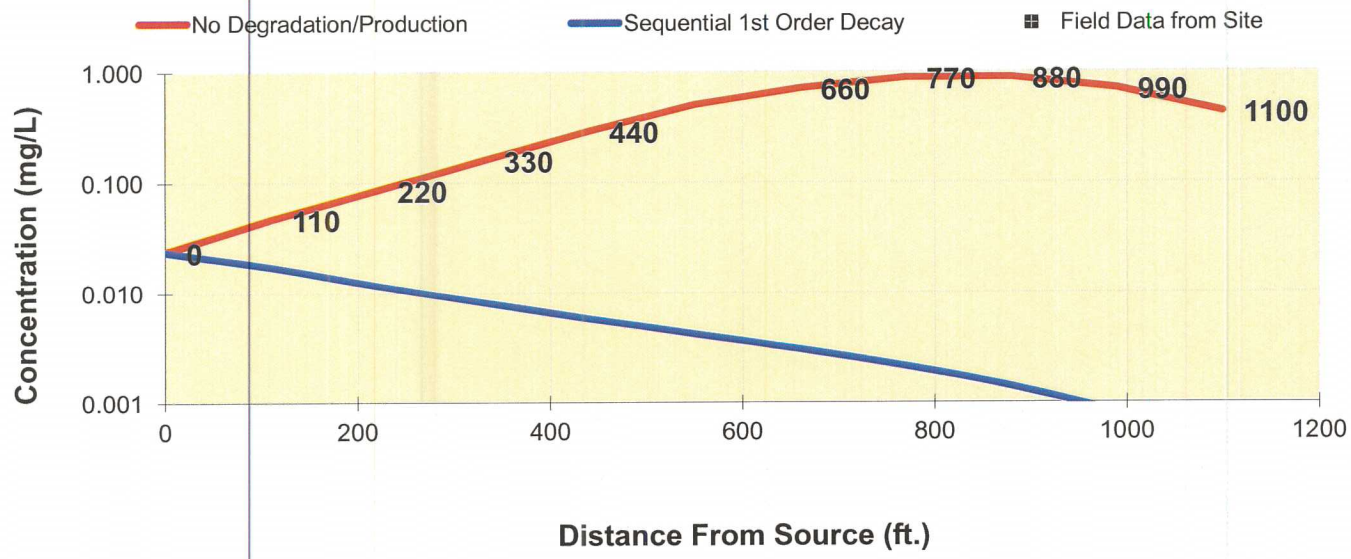
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.024	0.047	0.085	0.158	0.289	0.498	0.699	0.872	0.881	0.700	0.429
Biotransformation	0.0236	0.017	0.012	0.008	0.006	0.004	0.003	0.002	0.001	0.001	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

96.0 Years

Log ⟺ Linear

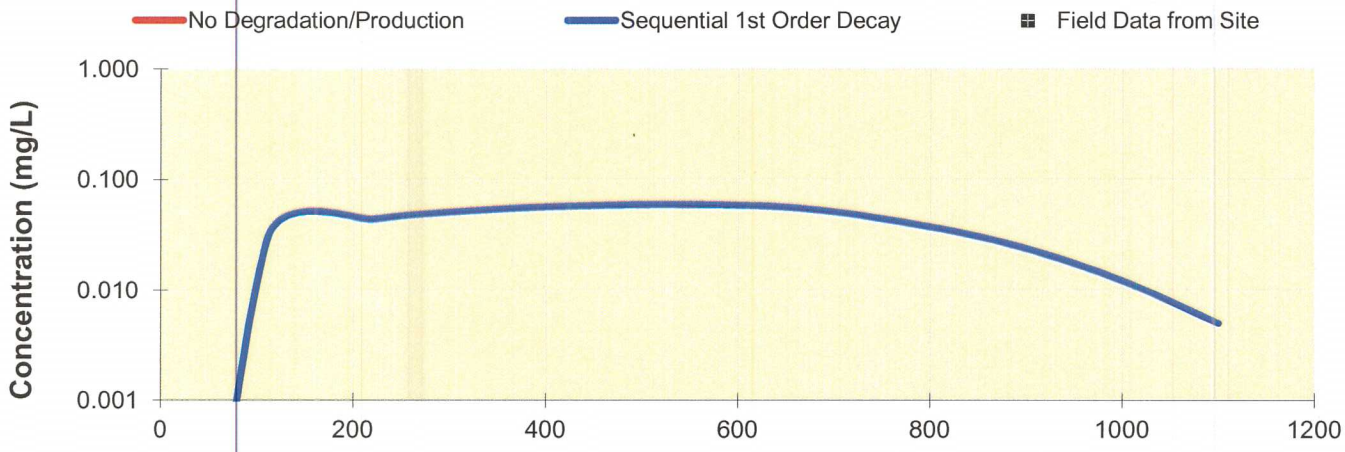
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.028	0.044	0.053	0.059	0.060	0.056	0.042	0.026	0.013	0.005
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

84.0 Years

Log ⟺ Linear

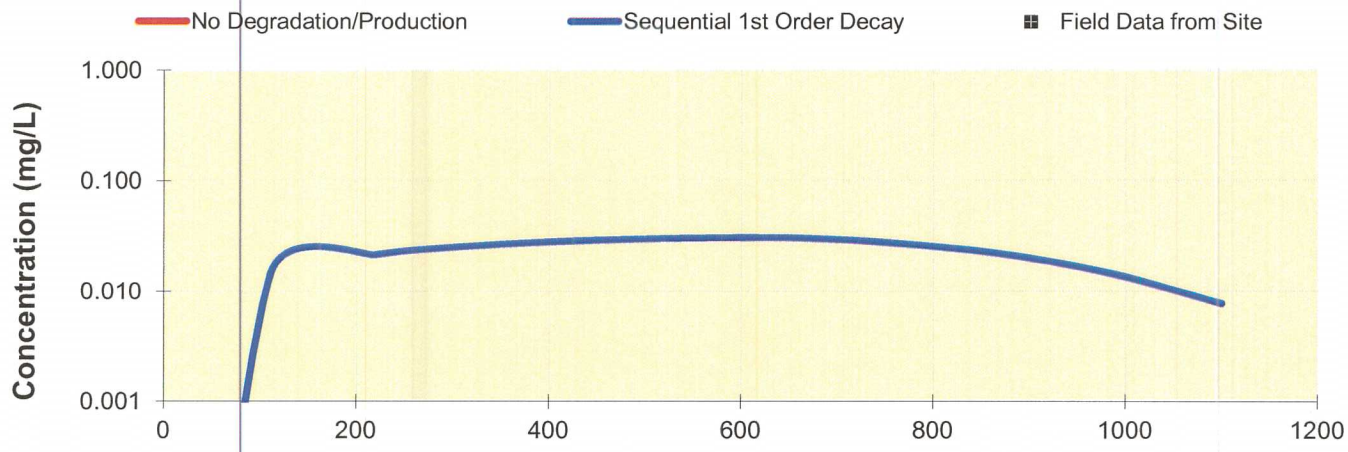
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.014	0.021	0.026	0.029	0.030	0.030	0.027	0.021	0.014	0.008
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

96.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

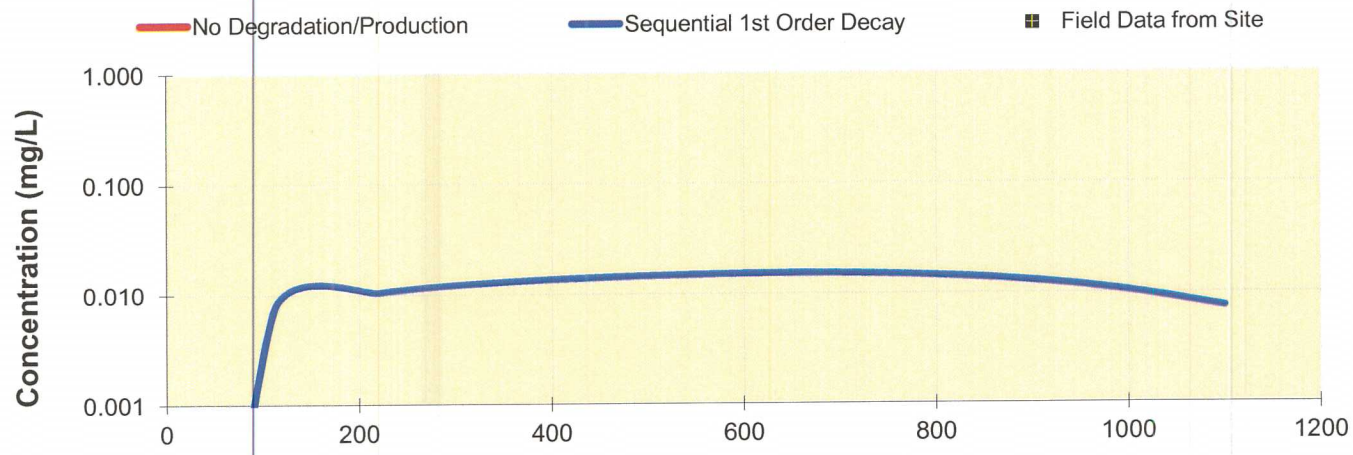
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

TCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.007	0.010	0.013	0.014	0.015	0.015	0.015	0.013	0.011	0.007

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

108.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

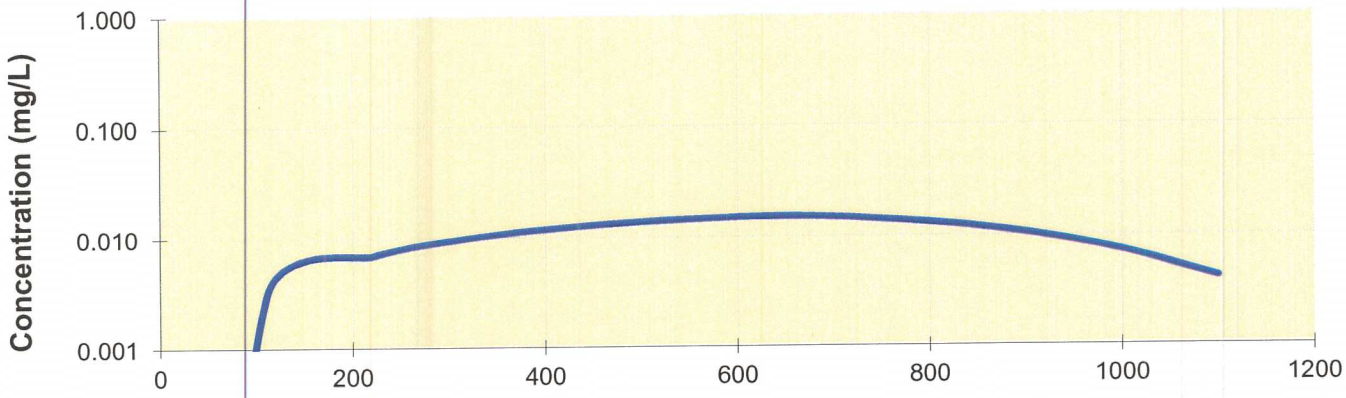
Distance from Source (ft)

DCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.003	0.007	0.010	0.013	0.014	0.015	0.014	0.011	0.007	0.004

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											

No Degradation/Production Sequential 1st Order Decay Field Data from Site



See PCE
See TCE
See DCE
See VC
See ETH

Time:
96.0 Years
Log ⟺ Linear

Replay

Return to Input
To All
To Array

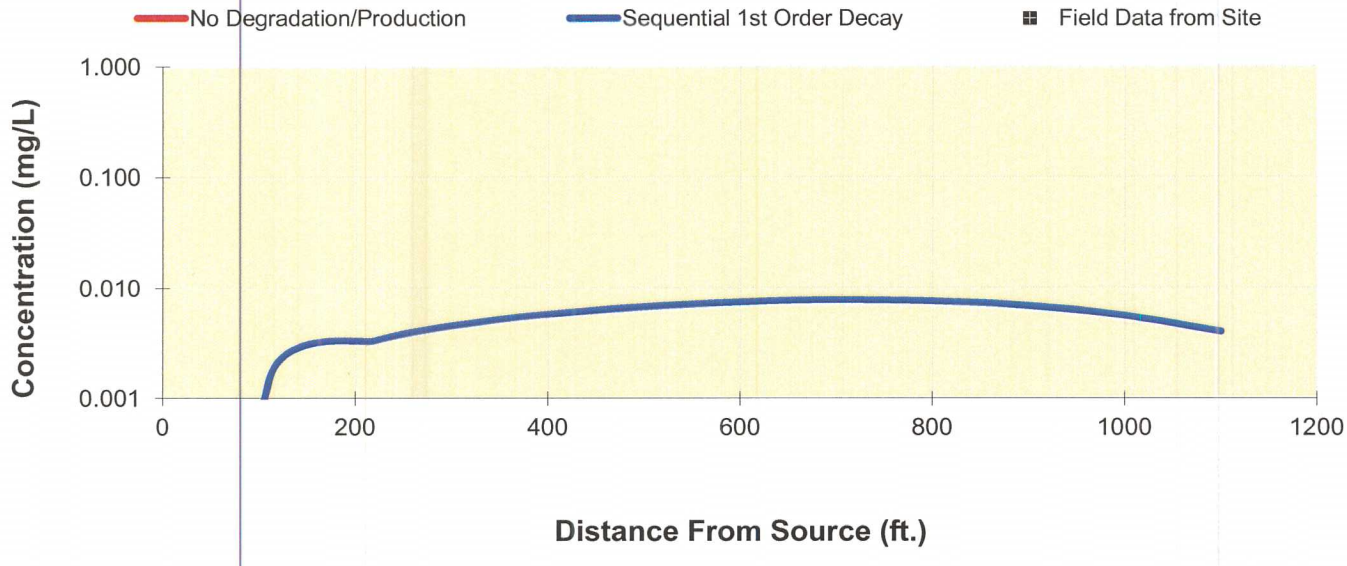
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

DCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.001	0.003	0.005	0.006	0.007	0.008	0.008	0.007	0.006	0.004

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Time:

108.0 Years

Log ⟺ Linear

Replay

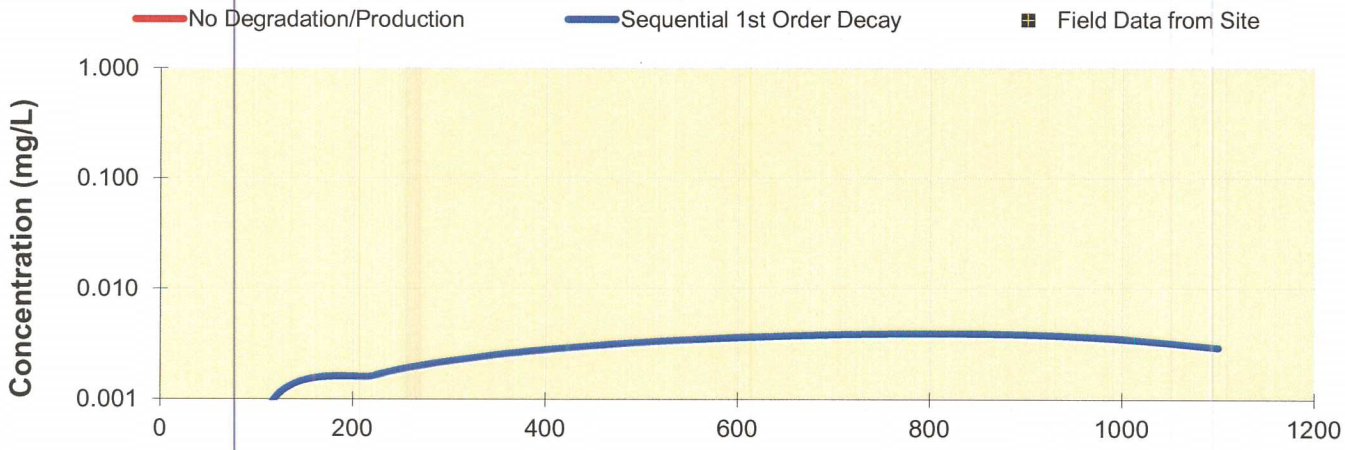
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

	Distance from Source (ft)										
DCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.003
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

120.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

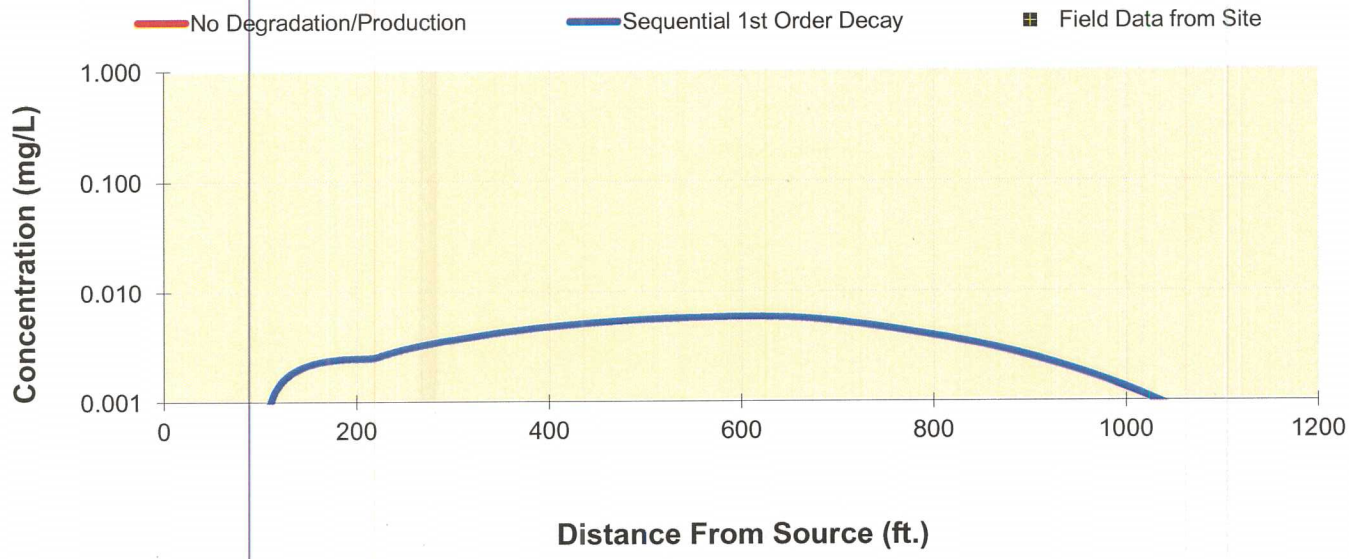
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

VC	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.001	0.003	0.004	0.005	0.006	0.006	0.004	0.003	0.001	0.001

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

84.0 Years

Log ⟺ Linear

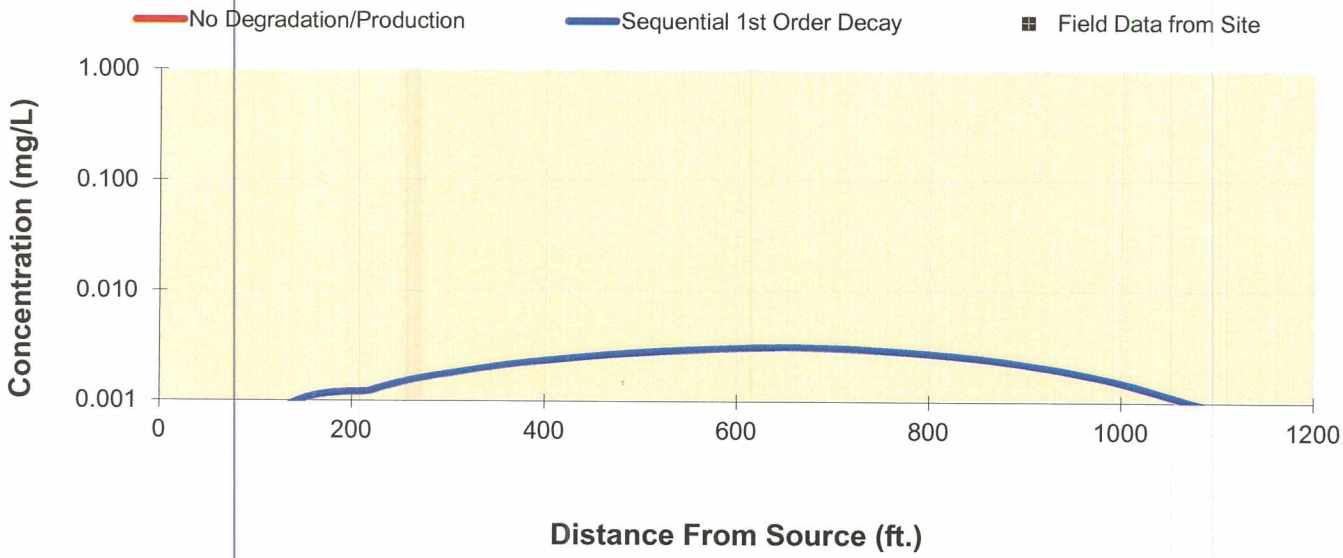
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

VC	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.000	0.001	0.002	0.003	0.003	0.003	0.003	0.002	0.002	0.001
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

96.0 Years

Log ⟺ Linear

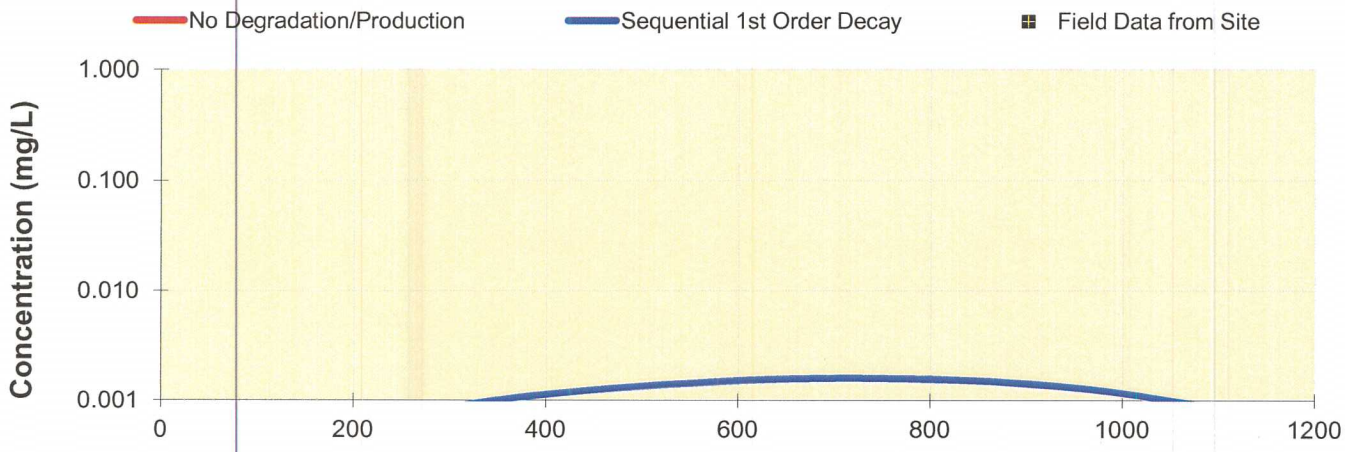
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

VC	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

108.0 Years

Log ⟺ Linear

Return to Input

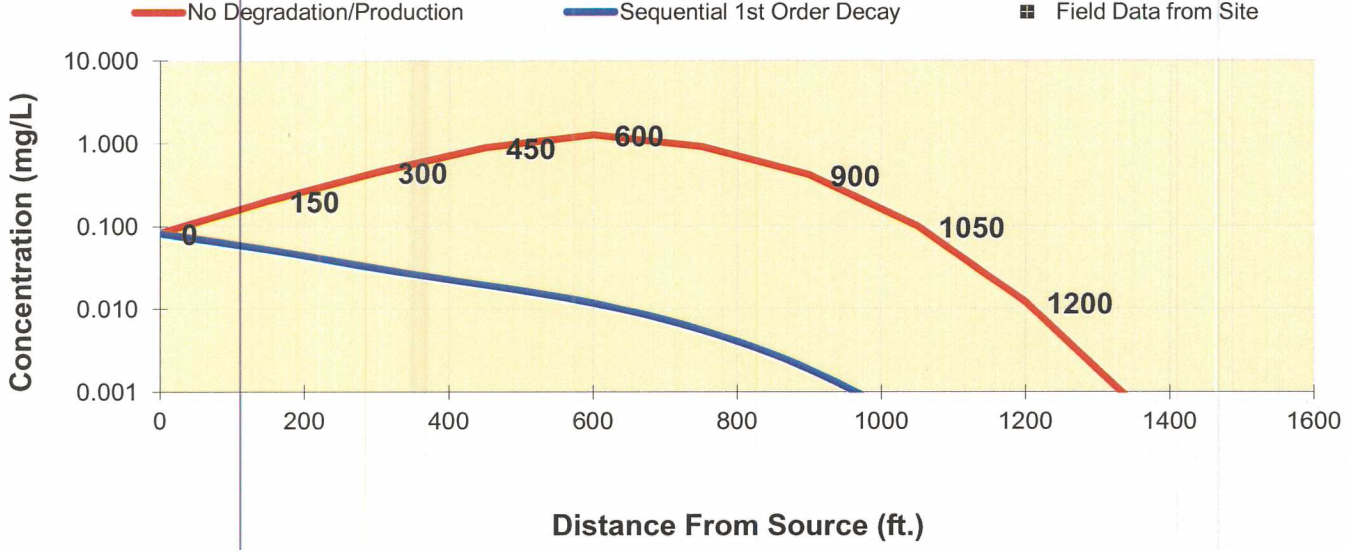
To All

To Array

PREDICTED MAXIMUM DOWNGRADIENT EXTENT OF VOCS IN GROUNDWATER

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.083	0.204	0.452	0.892	1.275	0.915	0.418	0.100	0.012	0.001	0.000
Biotransformation	0.0833	0.053	0.032	0.020	0.012	0.006	0.002	0.000	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

75.0 Years

Log ⟺ Linear

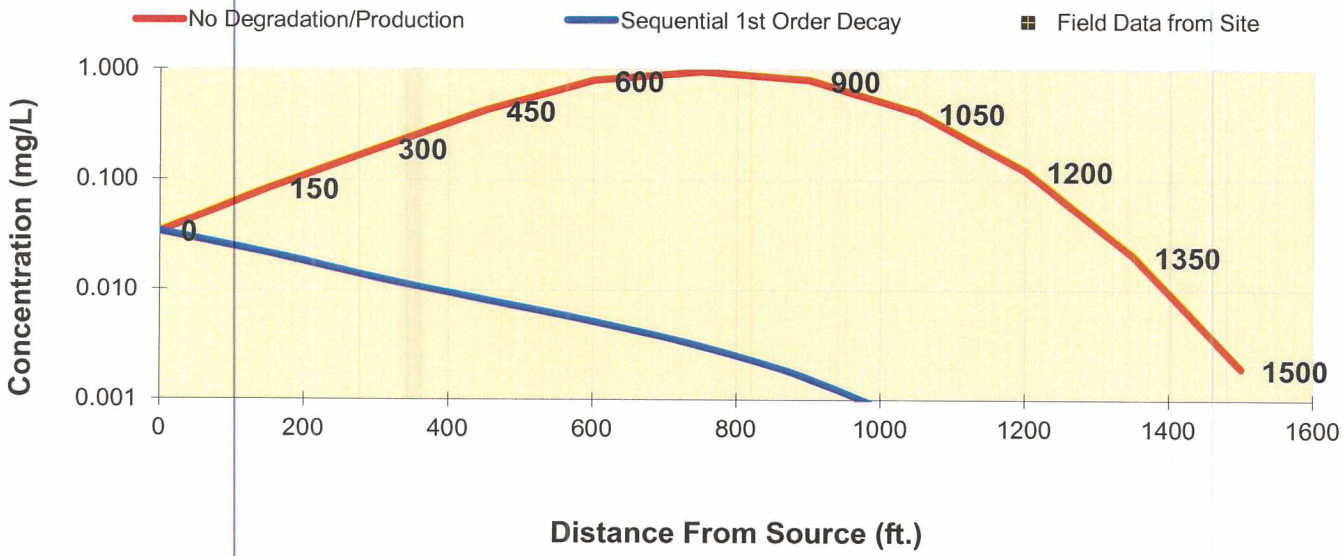
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.034	0.083	0.190	0.423	0.797	0.950	0.801	0.409	0.122	0.021	0.002
Biotransformation	0.0339	0.021	0.013	0.008	0.005	0.003	0.002	0.001	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

90.0 Years

Log ⟺ Linear

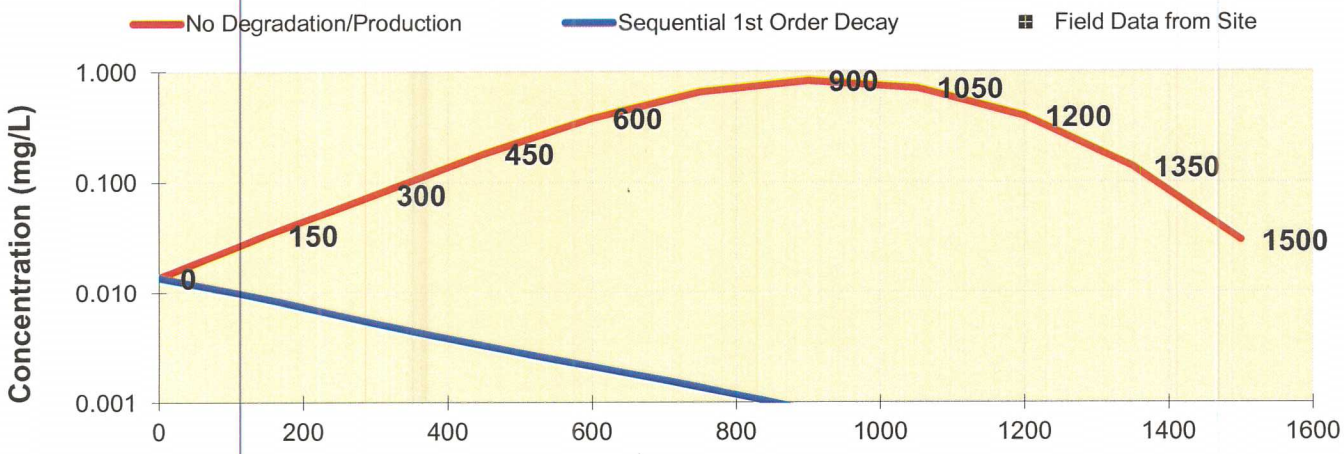
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

PCE	Distance from Source (ft)										
	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.014	0.034	0.078	0.183	0.380	0.656	0.830	0.714	0.397	0.138	0.030
Biotransformation	0.0138	0.009	0.005	0.003	0.002	0.001	0.001	0.000	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

105.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

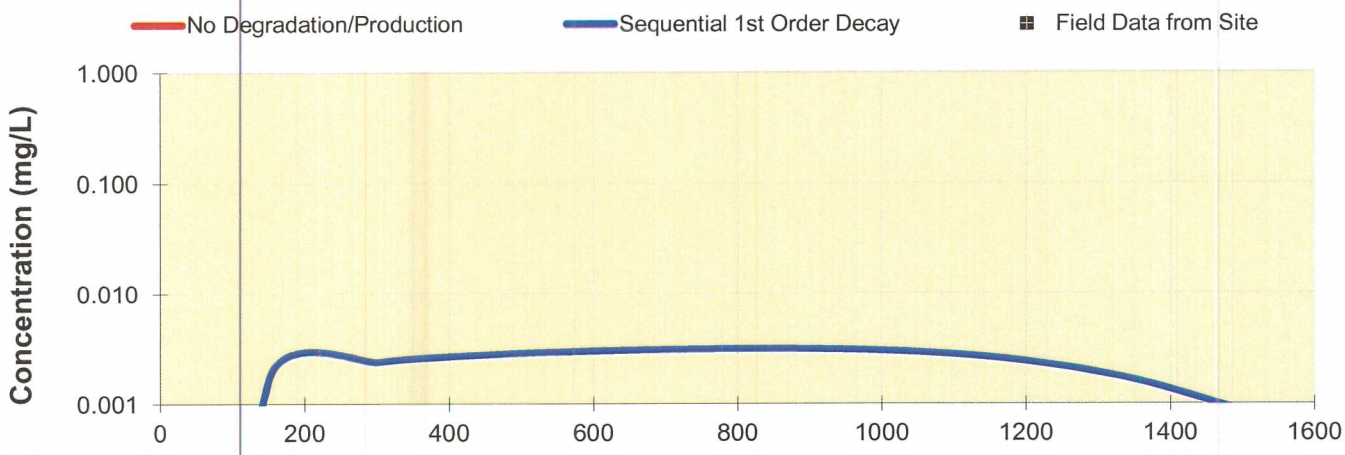
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

TCE	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

135.0 Years

Log ⟺ Linear

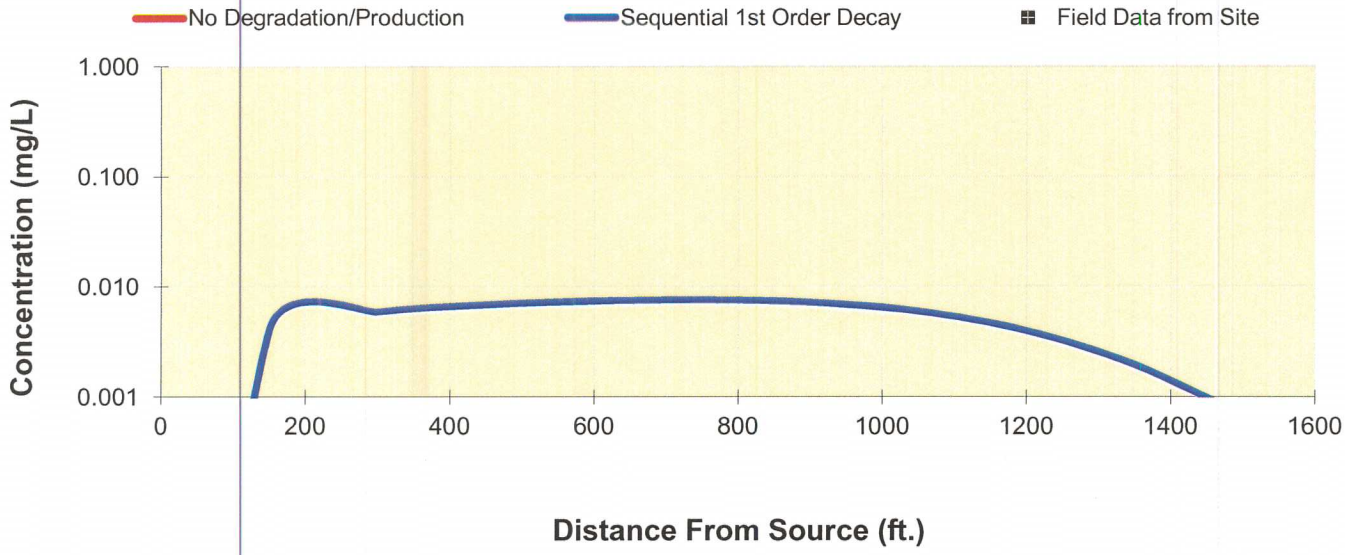
Return to Input

To All

To Array

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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.004	0.006	0.007	0.007	0.008	0.007	0.006	0.004	0.002	0.001
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

120.0 Years

Log ⟺ Linear

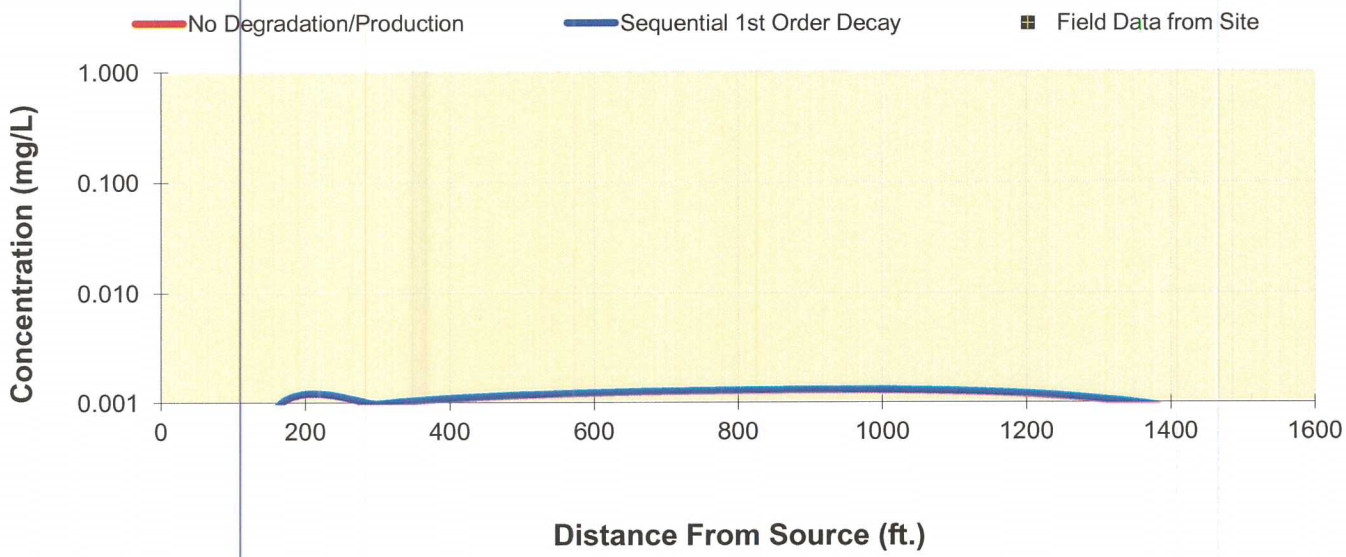
Return to Input

To All

To Array

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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

150.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

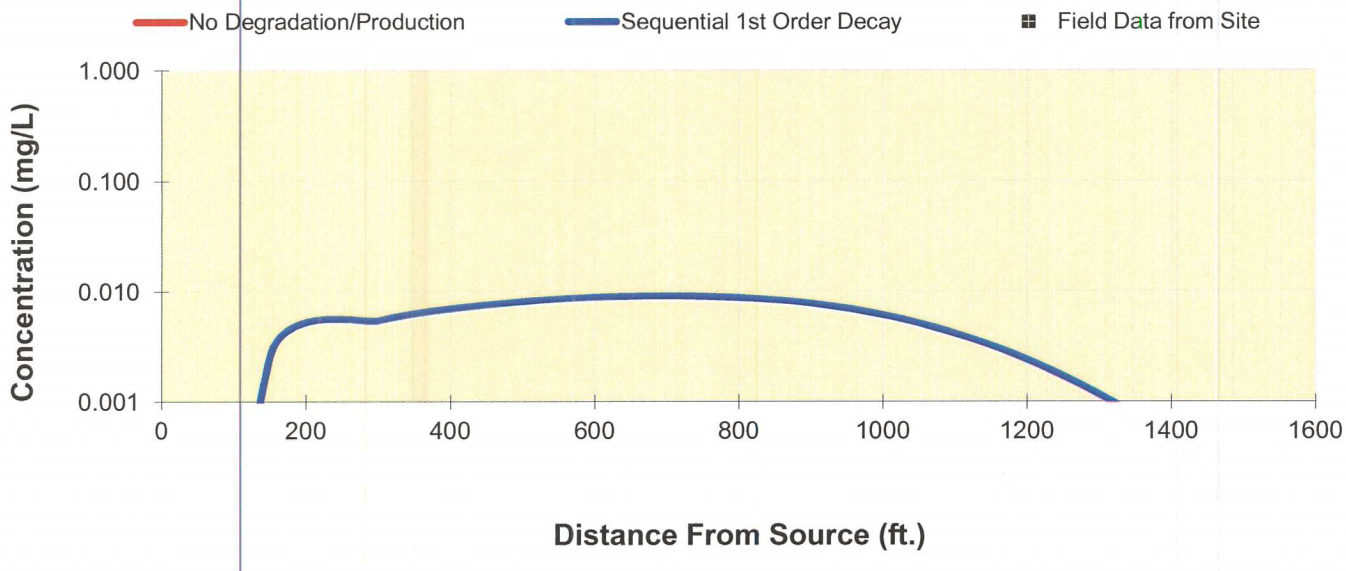
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

DCE	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.003	0.005	0.008	0.009	0.009	0.008	0.005	0.002	0.001	0.000

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

105.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

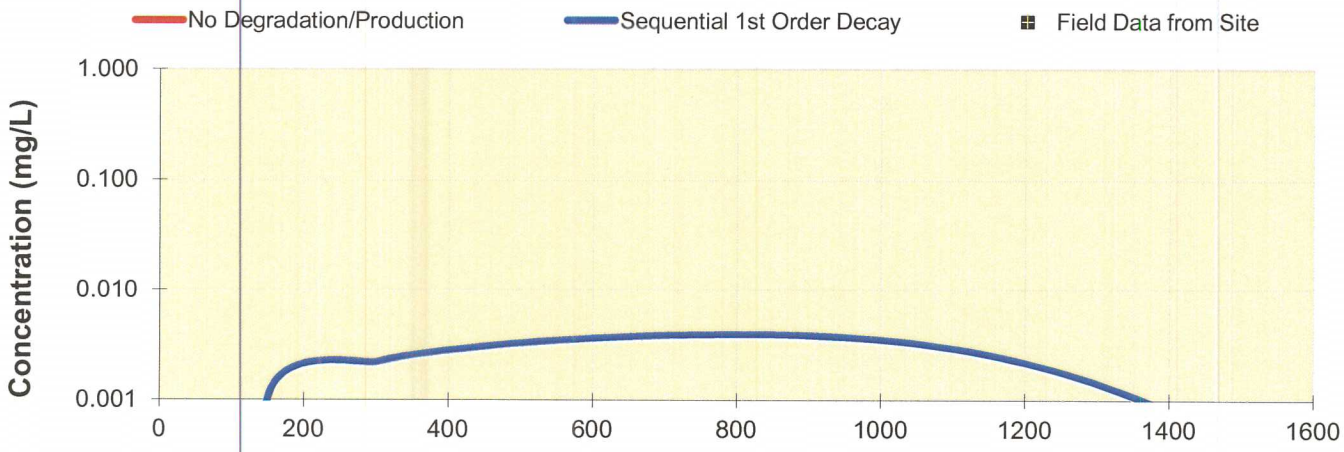
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

DCE	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.001	0.002	0.003	0.004	0.004	0.004	0.003	0.002	0.001	0.000

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

120.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

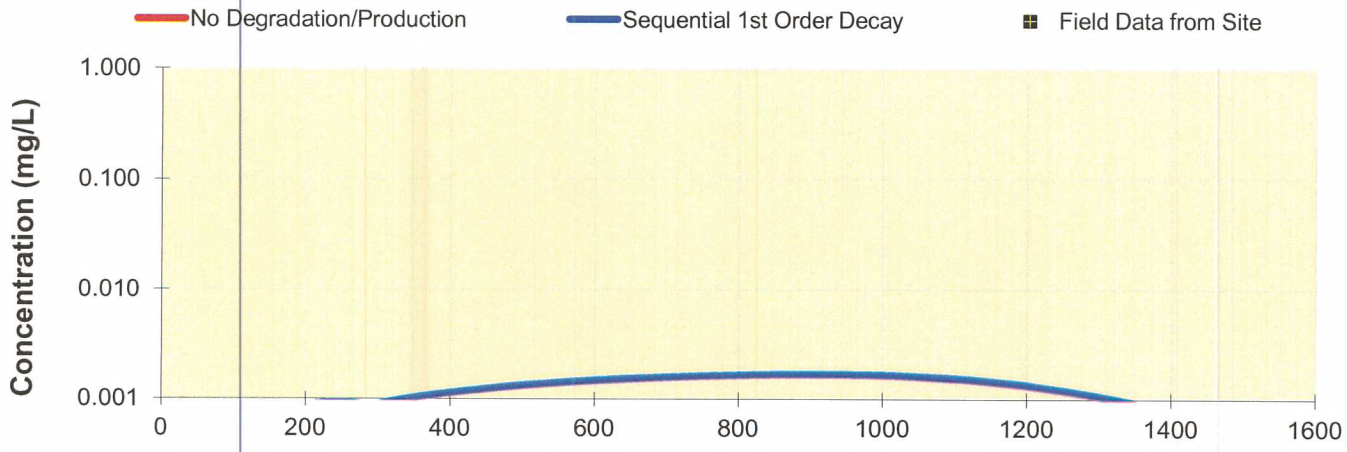
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

DCE	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.000

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

135.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

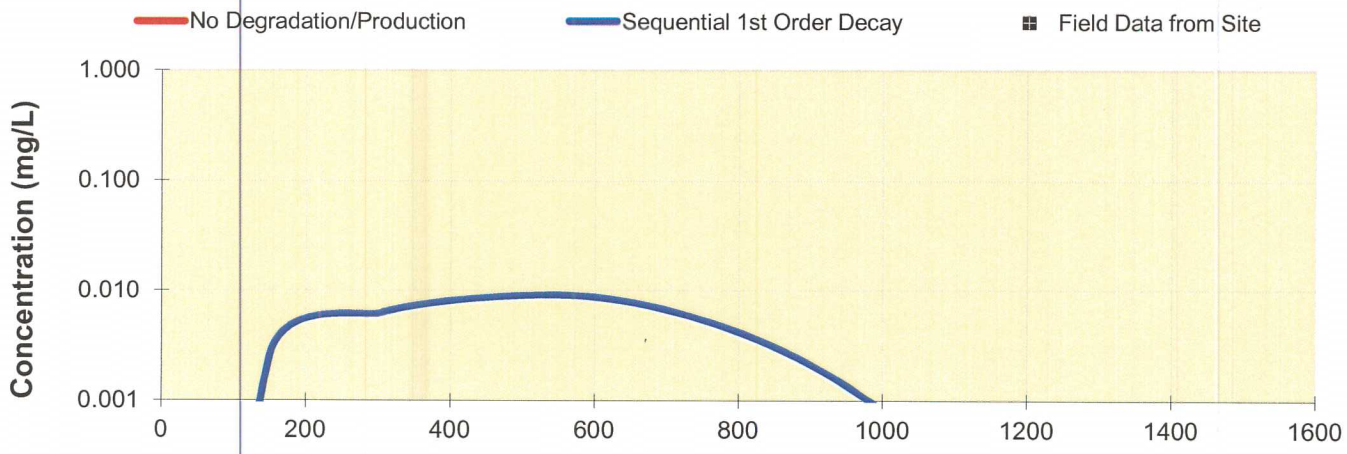
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

VC	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.003	0.006	0.009	0.009	0.005	0.002	0.000	0.000	0.000	0.000

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

75.0 Years

Log ⟺ Linear

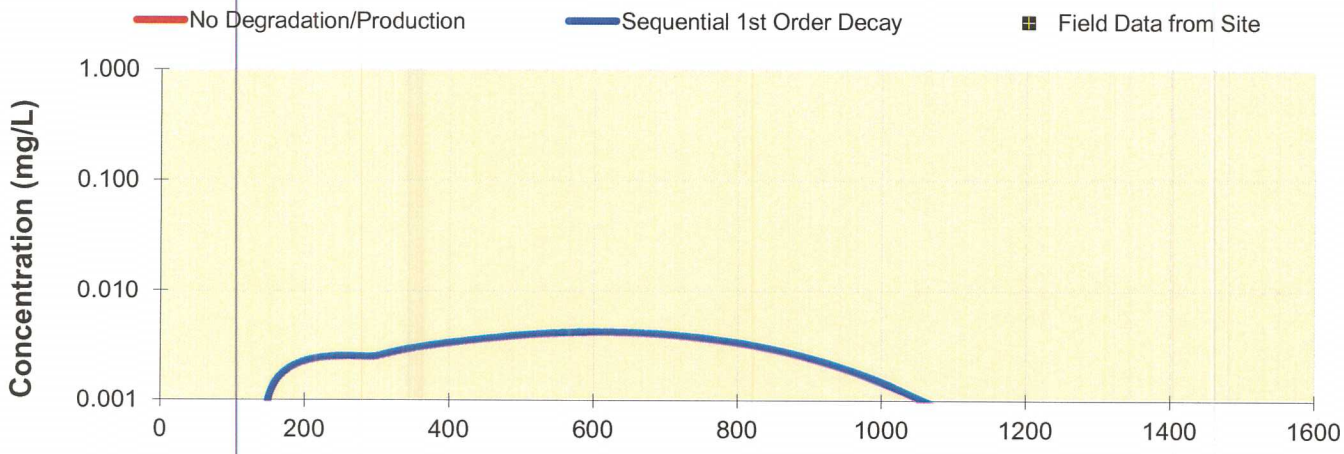
Return to Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

VC	Distance from Source (ft)										
	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.001	0.003	0.004	0.004	0.004	0.002	0.001	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

90.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

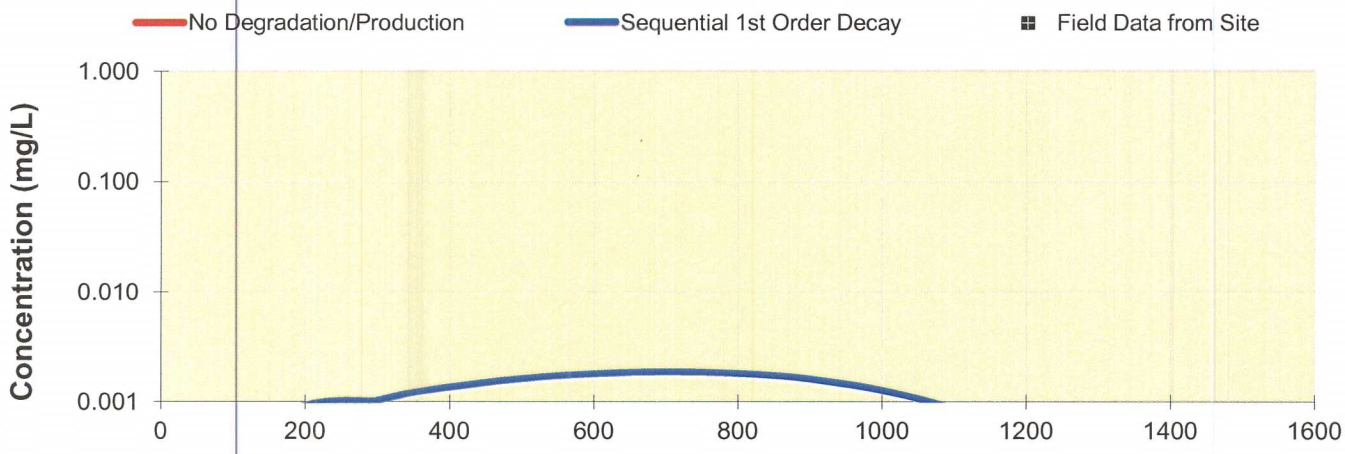
DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

VC	0	150	300	450	600	750	900	1050	1200	1350	1500
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0000	0.000	0.001	0.001	0.002	0.002	0.002	0.001	0.000	0.000	0.000

Monitoring Well Locations (ft)

	EW-2	W-5	EW-7								
Field Data from Site											



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

105.0 Years

Log ⟺ Linear

Return to Input

To All

To Array

APPENDIX E
VAPOR INTRUSION MODELING

RHEEM

Table E-1
139 Brampton Road
Indoor Air Sampling - August 28, 2016

Parameter	Highest Reported Indoor Air Concentration, ug/m^3	Commercial Indoor Air VISL, ug/m^3 (a)	Residential Indoor Air VISL, ug/m^3 (a)
Acetone	51	140,000	32,000
Chloroform	<1.1	5.3	1.2
cis-1,2-Dichloroethene	<1.8	NA	NA
trans-1,2-Dichloroethene	<1.8	NA	NA
Tetrachloroethene	<1.6	180	42
Trichloroethene	<1.2	8.8	2.1
Vinyl chloride	<0.58	28	1.7

(a) Compared to May 2016 Vapor Intrusion Screening Levels (VISLs) for commercial and residential land use. Based on HSRA target risk of 10^{-5} and hazard index of 1.
< Less than the reporting limit
NA VISLs not available for these compounds

Prepared/Date: LMS 9/16/2016
Checked/Date: SAG 9/16/2016

EPA-OLEM VAPOR INTRUSION ASSESSMENT

Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.1 (May 2016 RSLs)

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Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Residential	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-05	Enter target risk for carcinogens
Target Hazard Quotient for Non-Carcinogens	THQ	0.1	Enter target hazard quotient for non-carcinogens
Average Groundwater Temperature (°C)	Tgw	20.6	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1) Yes/No	Does chemical have inhalation toxicity data? (IUR and/or RfC) Yes/No	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? Cvp > Cia,target? Yes/No	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? Chc > Cia,target? Yes/No	Target Indoor Air Conc. @ TCR = 10E-06 or THQ = 0.1 MIN(Cia,c;Cia,nc) (ug/m³)	Toxicity Basis C/NC	Target Sub-Slab and Exterior Soil Gas Conc. @ TCR = 10E-06 or THQ = 0.1 Csg (ug/m³)	Target Ground Water Conc. @ TCR = 10E-06 or THQ = 0.1 Cgw (ug/L)	Is Target Ground Water Conc. < MCL? Cgw<MCL? Yes/No (MCL ug/L)	Pure Phase Vapor Conc. @ 25°C Cvp (ug/m³)	Maximum Groundwater Vapor Conc. Chc (ug/m³)	Temperature for Max. Groundwater Vapor Conc. Tgw or 25 C	Lower Explosive Limit** LEL (% by vol)	LEL Source	Inhalation Unit Risk IUR (ug/m³)⁻¹	IUR Source*	Reference Concentration RfC (mg/m³)	RFC Source*	Mutagenic Indicator i	Target Indoor Air Conc. for Carcinogens @ TCR = 10E-06 Cia,c (ug/m³)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.1 Cia,nc (ug/m³)
71-43-2	Benzene	Yes	Yes	Yes	Yes	3.1E+00	NC	1.0E+02	1.7E+01	No (5)	3.98E+08	3.32E+08	20.6	1.2	N	7.80E-06	I	3.00E-02	I		3.6E+00	3.1E+00
67-66-3	Chloroform	Yes	Yes	Yes	Yes	1.2E+00	C	4.1E+01	9.8E+00	Yes (8.0E+01(F))	1.27E+09	9.88E+08	20.6			2.30E-05	I	9.80E-02	A		1.2E+00	1.0E+01
156-59-2	Dichloroethylene, 1,2-cis-	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info										M							
156-60-5	Dichloroethylene, 1,2-trans-	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info						1.73E+09	1.45E+09	20.6	9.7	M							
127-18-4	Tetrachloroethylene	Yes	Yes	Yes	Yes	4.2E+00	NC	1.4E+02	7.3E+00	No (5)	1.65E+08	1.17E+08	20.6			2.60E-07	I	4.00E-02	I		1.1E+02	4.2E+00
79-01-6	Trichloroethylene	Yes	Yes	Yes	Yes	2.1E-01	NC	7.0E+00	6.4E-01	Yes (5)	4.88E+08	4.16E+08	20.6	8	N	see note	I	2.00E-03	I	TCE	4.8E+00	2.1E-01
75-01-4	Vinyl Chloride	Yes	Yes	Yes	Yes	1.7E+00	C	5.6E+01	1.7E+00	Yes (2)	1.00E+10	8.84E+09	20.6	3.6	N	4.40E-06	I	1.00E-01	I	VC	1.7E+00	1.0E+01

Notes:

(1) **Inhalation Pathway Exposure Parameters (RME):**

Exposure Scenario	Units	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario in cell G10) Symbol	Selected (based on scenario in cell G10) Value
Averaging time for carcinogens	(yrs)	ATc_R	70	ATc_C	70	ATc	70
Averaging time for non-carcinogens	(yrs)	ATnc_R	26	ATnc_C	25	ATnc	26
Exposure duration	(yrs)	ED_R	26	ED_C	25	ED	26
Exposure frequency	(days/yr)	EF_R	350	EF_C	250	EF	350
Exposure time	(hr/day)	ET_R	24	ET_C	8	ET	24

(2) **Generic Attenuation Factors:**

Source Medium of Vapors	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario in cell G10) Symbol	Selected (based on scenario in cell G10) Value
Groundwater	AFgw_R	0.001	AFgw_C	0.001	AFgw	0.001
Sub-Slab and Exterior Soil Gas	AFss_R	0.03	AFss_C	0.03	AFss	0.03

(3) **Formulas**

Cia, target = MIN(Cia,c; Cia,nc)

Cia,c (ug/m3) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)

Cia,nc (ug/m3) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RfC x (1000 ug/mg) / (ED x EF x ET)

(4) **Special Case Chemicals**

Trichloroethylene

	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario in cell G10) Symbol	Selected (based on scenario in cell G10) Value
mIURTCE_R	1.00E-06	mIURTCE_C	0.00E+00	mIURTCE	1.00E-06
IURTCE_R	3.10E-06	IURTCE_C	4.10E-06	IURTCE	3.10E-06

Mutagenic Chemicals

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Age Cohort	Exposure Duration (years)	Age-dependent adjustment factor
0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 72 This factor is used in the equations for mutagenic chemicals.

See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:

NVT = Not sufficiently volatile and/or toxic to pose inhalation risk in selected exposure scenario for the indicated medium

C = Carcinogenic

NC = Non-carcinogenic

I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at: http://www.epa.gov/iris/subst/index.html

P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at: http://hhpprtv.ornl.gov/pprtv.shtml

A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at: http://www.atsdr.cdc.gov/mrls/index.html

CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at: http://www.oehha.ca.gov/risk/ChemicalDB/index.asp

H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at: http://epa-heast.ornl.gov/heast.shtml

S = See RSL User Guide, Section 5

X = PPRTV Appendix

E = The Engineering ToolBox. Available online at http://www.engineeringtoolbox.com/explosive-concentration-limits-d_423.html

N = Centers for Disease Control and Prevention (CDC) National Institute for Occupational Safety and Health (NIOSH). Pocket Guide to Chemical Hazards. Available online at: http://www.cdc.gov/niosh/npg/default.html http://www.cdc.gov/niosh/npg/default.html

M = Chemical-specific MSDS

Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).

VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).

TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).

Yellow highlighting indicates site-specific parameters that may be edited by the user.

Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.

**Lower explosive limit is the minimum concentration of the compound in air (% by volume) that is needed for the gas to ignite and explode.

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Parameter	Symbol	Value	Instructions
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CAS	Chemical Name	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1) Yes/No	Does chemical have inhalation toxicity data? (IUR and/or RfC) Yes/No	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? Cvp > Cia,target? Yes/No	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? Chc > Cia,target? Yes/No	Target Indoor Air Conc. @ TCR = 10E-06 or THQ = 0.1 MIN(Cia,c;Cia,nc) (ug/m³)	Toxicity Basis C/NC	Target Sub-Slab and Exterior Soil Gas Conc. @ TCR = 10E-06 or THQ = 0.1 Csg (ug/m³)	Target Ground Water Conc. @ TCR = 10E-06 or THQ = 0.1 Cgw (ug/L)	Is Target Ground Water Conc. < MCL? Cgw<MCL? Yes/No (MCL ug/L)	Pure Phase Vapor Conc. @ 25°C Cvp (ug/m³)	Maximum Groundwater Vapor Conc. Chc (ug/m³)	Temperature for Max. Groundwater Vapor Conc. Tgw or 25 C	Lower Explosive Limit** LEL (% by vol)	LEL Source	Inhalation Unit Risk IUR (ug/m³)⁻¹	IUR Source*	Reference Concentration RfC (mg/m³)	RFC Source*	Mutagenic Indicator i	Target Indoor Air Conc. for Carcinogens @ TCR = 10E-06 Cia,c (ug/m³)	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.1 Cia,nc (ug/m³)
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67-66-3	Chloroform	Yes	Yes	Yes	Yes	5.3E+00	C	1.8E+02	4.3E+01	Yes (8.0E+01(F))	1.27E+09	9.88E+08	20.6			2.30E-05	I	9.80E-02	A		5.3E+00	4.3E+01
156-59-2	Dichloroethylene, 1,2-cis-	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info										M							
156-60-5	Dichloroethylene, 1,2-trans-	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info						1.73E+09	1.45E+09	20.6	9.7	M							
127-18-4	Tetrachloroethylene	Yes	Yes	Yes	Yes	1.8E+01	NC	5.8E+02	3.1E+01	No (5)	1.65E+08	1.17E+08	20.6			2.60E-07	I	4.00E-02	I		4.7E+02	1.8E+01
79-01-6	Trichloroethylene	Yes	Yes	Yes	Yes	8.8E-01	NC	2.9E+01	2.7E+00	Yes (5)	4.88E+08	4.16E+08	20.6	8	N	see note	I	2.00E-03	I	TCE	3.0E+01	8.8E-01
75-01-4	Vinyl Chloride	Yes	Yes	Yes	Yes	2.8E+01	C	9.3E+02	2.8E+01	No (2)	1.00E+10	8.84E+09	20.6	3.6	N	4.40E-06	I	1.00E-01	I	VC	2.8E+01	4.4E+01

Notes:

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Exposure duration	(yrs)	ED_R	26	ED_C	25	ED	25
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IURTCE_R	3.10E-06	IURTCE_C	4.10E-06	IURTCE	4.10E-06

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0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 25 This factor is used in the equations for mutagenic chemicals.

See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:

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Yellow highlighting indicates site-specific parameters that may be edited by the user.

Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.

**Lower explosive limit is the minimum concentration of the compound in air (% by volume) that is needed for the gas to ignite and explode.

Table E-2

Comparison of Detected Soil Vapor Concentrations to Target Soil Gas Concentrations Protective of Indoor Air for Commercial and Residential Land Use

(TCR = 10^{-5}; THQ = 0.1)

Constituent	SG-1 (µg/m^3)	SG-2 (µg/m^3)	Commercial Target Soil Gas Concentration, ug/m^3 (Risk = 1 x 10^{-5} and THQ= 0.1) [(a)]	Residential Target Soil Gas Concentration, ug/m^3 (Risk = 1 x 10^{-5} and THQ= 0.1) [(a)]
Benzene	100	<100	440	104
Chloroform	**610**	<100	180	41
cis-1,2-Dichloroethene	340,000	51,000	NC	NC
Tetrachloroethene	**800,000**	**12,000**	580	140
Trichloroethene	**460,000**	**8,000**	29	7
trans-1,2-Dichloroethene	42,000	5,900	NC	NC
Vinyl chloride	**340**	**80**	930	56

Notes:

[(a)] Target sub-slab and exterior soil gas concentration; calculated using OSWER Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.1, May 2016 RSLs. Commercial and Residential land use, target risk of 10^{-5} and Hazard Index of 0.1. Site ground water temperature (20.6 degrees C). Soil gas attenuation factor of 0.03 (USEPA 2016).

Bolded cells indicate a concentration greater than the VISL

< = Below Method Detection Limit, not detected at Estimated Quantitation Limit (EQL). See analytical reports.

NC = No inhalation toxicity values available for this compound

THQ = Target Hazard Quotient

µg/m^3= micrograms per cubic meter of air

PREPARED BY/DATE: SAG 3/21/16

CHECKED BY/DATE: LMS 10/7/2016

Table E-3
Occupational Assumptions Used in Johnson & Ettinger Model (SG-ADV)
Former Rheem Manufacturing Facility
139 Brampton Road, Savannah, GA

Parameter	Value	Justification
Average Water Temp.	20.6 ^{o} C	Regional average (69° F)
Depth Below Grade to Enclosed Space Floor	15 cm	Slab on grade foundation - assumption
Soil gas sampling depth below grade	61 cm	Site-specific – 2 feet below the bottom of the slab
Stratum A Soil Vapor Permeability	SC	Sandy Clay; site-specific
SCS Soil Type	SC	Sandy Clay; site-specific
Soil Dry Bulk Density	1.63 g/cm^3	Sandy Clay – Model value
Soil Total Porosity	0.385 unitless	Sandy Clay – Model value
Soil Water-filled Porosity	0.197 cm^3/cm^3	Sandy Clay – Model value
Enclosed Space Floor Thickness	10 cm	Model Default
Soil-Building Pressure Differential	40 g/cm-s^2	Model default
Enclosed Space Floor Length	5,456 cm	Site-specific for Warehouse B (179 ft)
Enclosed Space Floor Width	3,063 cm	Site-specific for Warehouse B (100.5 ft)
Enclosed Space Height	488 cm	Eave height (16 ft) for Warehouse B; site-specific.
Floor-Wall Seam Crack Width	0.1 cm	Model default
Indoor Air Exchange Rate	1.5/hr	Exposure Factors Handbook – 2011 Update. Mean for commercial buildings
Averaging Time, Carcinogens	70 years	Model default
Averaging Time, Noncarcinogens	25 years	Default for occupational
Exposure Duration	25 years	Default for occupational
Exposure Frequency	250 days/year	Default for occupational
Target Risk for Carcinogens	1 x 10^{-5} unitless	Target Risk
Target Hazard for Noncarcinogens	1 unitless	Target Hazard

Prepared by: SAG 3/22/16
Checked by: MKB 3/23/16

Table E-4
Summary of Risks and Hazards from Indoor Air Vapor Intrusion
Commercial/Site Workers
Inhalation of Indoor Air
139 Brampton Rd Savannah, Georgia

Parameter	Maximum Detected Concentration in Soil Gas (µg/m^3)	Exposure Value Type [(1)]	Inhalation Reference Concentration (mg/m^3)	Inhalation Unit Risk (µg/m^3)$^{-1}$	Hazard Quotient [(2)] (Unitless)	Excess Cancer Risk [(2)] (Unitless)
Chloroform	610	Measured	9.8E-02	2.3E-05	7.8E-06	6.3E-09
Tetrachloroethene	800,000	Measured	4.0E-02	2.6E-07	2.5E-02	9.2E-08
Trichloroethene	460,000	Measured	2.0E-03	4.1E-06	2.9E-01	8.4E-07
Vinyl chloride	340	Measured	1.0E-01	4.4E-06	4.3E-06	6.7E-10
					0.3	9E-07

µg = micrograms
mg=milligrams
m^3 = cubic meters

(1) Shallow soil gas concentrations collected at 2 feet below foundation slab . Maximum soil gas concentrations used as the exposure point concentration (Table E-2).

(2) Hazard Quotient (Noncarcinogens) and Excess Cancer Risk (Carcinogens) calculated with Johnson & Ettinger Model.

Revised By/Date: SAG 3/22/16
Checked By/Date: MKB 3/23/16

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
67663	6.10E+02			Chloroform

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	61	20.6	61			SC		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
SC	1.63	0.385	0.197								

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	5456	3063	488	0.1	1.5	

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	25	25	250

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Molecular weight, MW (g/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
7.69E-02	1.10E-05	3.66E-03	25	6,988	334.32	536.40	119.38	2.3E-05	9.8E-02

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
7.88E+08	46	0.188	ERROR	ERROR	0.299	1.77E-09	0.837	1.49E-09	17,038	6.10E+02	3.40E+06

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.70E+07	1.00E-04	15	7,444	3.03E-03	1.26E-01	1.79E-04	1.99E-03	0.00E+00	0.00E+00	1.99E-03	46

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	6.10E+02	0.10	6.24E+00	1.99E-03	1.70E+03	9.97E+07	1.82E-06	1.11E-03	2.3E-05	9.8E-02

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
6.3E-09	7.8E-06

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
127184	8.00E+05			Tetrachloroethylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	61	20.6	61			SC		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
SC	1.63	0.385	0.197								

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	5456	3063	488	0.1	1.5	

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	25	25	250

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Molecular weight, MW (g/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
5.05E-02	9.46E-06	1.77E-02	25	8,288	394.40	620.20	165.83	2.6E-07	4.0E-02

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
7.88E+08	46	0.188	ERROR	ERROR	0.299	1.77E-09	0.837	1.49E-09	17,038	8.00E+05	3.40E+06

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.70E+07	1.00E-04	15	9,445	1.39E-02	5.78E-01	1.79E-04	1.30E-03	0.00E+00	0.00E+00	1.30E-03	46

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	8.00E+05	0.10	6.24E+00	1.30E-03	1.70E+03	1.60E+12	1.81E-06	1.45E+00	2.6E-07	4.0E-02

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
9.2E-08	2.5E-02

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
79016	4.60E+05			Trichloroethylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	61	20.6	61			SC		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
SC	1.63	0.385	0.197								

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	5456	3063	488	0.1	1.5	

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	25	25	250

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Molecular weight, MW (g/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
6.87E-02	1.02E-05	9.85E-03	25	7,505	360.36	544.20	131.39	4.1E-06	2.0E-03

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
7.88E+08	46	0.188	ERROR	ERROR	0.299	1.77E-09	0.837	1.49E-09	17,038	4.60E+05	3.40E+06

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.70E+07	1.00E-04	15	8,425	7.96E-03	3.30E-01	1.79E-04	1.77E-03	0.00E+00	0.00E+00	1.77E-03	46

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	4.60E+05	0.10	6.24E+00	1.77E-03	1.70E+03	9.29E+08	1.82E-06	8.37E-01	4.1E-06	2.0E-03

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
8.4E-07	2.9E-01

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75014	3.40E+02			Vinyl chloride (chloroethene)

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	61	20.6	61			SC		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
SC	1.63	0.385	0.197								

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	5456	3063	488	0.1	1.5	

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	25	25	250

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Molecular weight, MW (g/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
1.07E-01	1.20E-05	2.78E-02	25	5,250	259.25	432.00	62.50	4.4E-06	1.0E-01

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
7.88E+08	46	0.188	ERROR	ERROR	0.299	1.77E-09	0.837	1.49E-09	17,038	3.40E+02	3.40E+06

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.70E+07	1.00E-04	15	4,880	2.46E-02	1.02E+00	1.79E-04	2.77E-03	0.00E+00	0.00E+00	2.77E-03	46

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	3.40E+02	0.10	6.24E+00	2.77E-03	1.70E+03	5.63E+05	1.83E-06	6.21E-04	4.4E-06	1.0E-01

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
6.7E-10	4.3E-06

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

MCDONALD VENTURES

Table E-5
Summary of Groundwater Concentrations - 2013
McDonald Ventures
175 Brampton Road, Savannah, GA

Parameter	2013 Maximum Detected Groundwater Concentration, ug/L (a)	Target Groundwater Concentration Protective of Indoor Air, ug/L (b)	Indoor Air COPC? (c)
Volatile Organic Compounds			
1,1-Dichloroethane	6.14	10	No
1,1-Dichloroethene	15	250	No
Benzene	1.22	2.2	No
Tetrachloroethene	5.51	22	No
Trichloroethene	1.65	1.6	**Yes**

(a) Maximum detected concentrations for GW-9, sampled in March 2013.
(b) Calculated using OSWER Vapor Intrusion Screening Level (VISL) Calculator Version , May 2016 RSLs for TCR = 0.000001 and THQ = 1
(c) Compound selected as a COPC if maxiumum detected concentration is greater than target groundwater concentration protective of indoor air.
ug/L micrograms per liter

PREPARED/DATE: LWC 10/14/13
CHECKED/DATE: LMS 10/7/16

EPA-OLEM VAPOR INTRUSION ASSESSMENT
Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.5.1 (May 2016 RSLs)

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Commercial	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-05	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (°C)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR (ug/m3)-1	IUR Source*	Reference Concentration RfC (mg/m3)	RFC Source*	Mutagenic Indicator i
71-43-2	Benzene	1.2E+00	2.77E-01	8.8E-08	1.1E-03	7.80E-06	I	3.00E-02	I	
107-06-2	Dichloroethane, 1,2-	6.1E+00	2.96E-01	3.1E-07	4.8E-03	2.60E-05	I	7.00E-03	P	
75-35-4	Dichloroethylene, 1,1-	1.5E+01	1.60E+01	No IUR	9.1E-03			2.00E-01	I	
127-18-4	Tetrachloroethylene	5.5E+00	3.99E+00	4.2E-08	1.1E-02	2.60E-07	I	4.00E-02	I	
79-01-6	Trichloroethylene	1.7E+00	6.64E-01	1.1E-07	3.8E-02	see note	I	2.00E-03	I	TCE
		Total:		5.6E-07	0.06					

Notes:

(1) **Inhalation Pathway Exposure Parameters (RME):**

Exposure Scenario	Units	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Averaging time for carcinogens	(yrs)	ATc_R_GW	70	ATc_C_GW	70	ATc_GW	70
Averaging time for non-carcinogens	(yrs)	ATnc_R_GW	26	ATnc_C_GW	25	Atnc_GW	25
Exposure duration	(yrs)	ED_R_GW	26	ED_C_GW	25	ED_GW	25
Exposure frequency	(days/yr)	EF_R_GW	350	EF_C_GW	250	EF_GW	250
Exposure time	(hr/day)	ET_R_GW	24	ET_C_GW	4	ET_GW	4

(2) **Generic Attenuation Factors:**

Source Medium of Vapors	Units	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Groundwater	(-)	AFgw_R_GW	0.001	AFgw_C_GW	0.001	AFgw_GW	0.001
Sub-Slab and Exterior Soil Gas	(-)	AFss_R_GW	0.03	AFss_C_GW	0.03	AFss_GW	0.03

(3) **Formulas**

Cia, target = MIN(Cia,c; Cia,nc)
Cia,c (ug/m3) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)
Cia,nc (ug/m3) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RfC x (1000 ug/mg) / (ED x EF x ET)

(4) **Special Case Chemicals**

Trichloroethylene	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
mIURTCE_R_GW		1.00E-06	IURTCE_C_GW	0.00E+00	IURTCE_GW	0.00E+00
IURTCE_R_GW		3.10E-06	IURTCE_C_GW	4.10E-06	IURTCE_GW	4.10E-06

Mutagenic Chemicals

The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

Age Cohort	Exposure Duration	Age-dependent adjustment factor
0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 25 This factor is used in the equations for mutagenic chemicals.

Vinyl Chloride

See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:

I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at: http://www.epa.gov/iris/subst/index.html
P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at: http://hhpprtv.ornl.gov/pprtv.shtml
A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at: http://www.atsdr.cdc.gov/mrls/index.html
CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at: http://www.oehha.ca.gov/risk/ChemicalDB/index.asp
H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at: http://epa-heast.ornl.gov/heast.shtml
S = See RSL User Guide, Section 5
X = PPRTV Appendix
Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).
VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).
TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).
Yellow highlighting indicates site-specific parameters that may be edited by the user.
Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.
Pink highlighting indicates VI carcinogenic risk greater than the target risk for carcinogens (TCR) or VI Hazard greater than or equal to the target hazard quotient for non-carcinogens (THQ).

APPENDIX F
RISK REDUCTION STANDARD CALCULATIONS

F-1

RISK REDUCTION STANDARD CALCULATIONS – 2016 UPDATES

APPENDIX F
TYPE 1 THROUGH 4 SOIL RISK REDUCTION STANDARD CALCULATIONS FOR 139 BRAMPTON ROAD SITE

Table 8 in this Appendix summarizes the Type 1 through Type 4 soil RRS that have been calculated for the 139 Brampton Road site for those constituents that have not yet been certified as in compliance with HSRA RRS (Table 1 through Table 9). Table 1 identifies the toxicity values used for the risk-based calculations. These values were taken from the most recent version of U.S. Environmental Protection Agency (USEPA) Regional Screening Level (RSL) tables (USEPA, 2016) and updated with current Integrated Risk Information System (IRIS) values, where applicable. The Weight of Evidence classifications were obtained from the IRIS database.

Table 2 lists Type 1/3, Type 2, and Type 4 RRS for groundwater. These groundwater RRS are protective of groundwater used as potable water and serve as target goals for the soil to groundwater leaching RRS. Because of the availability of municipal water sources and ambient groundwater quality in the area, use of groundwater for potable water is not expected to occur. Nonetheless, at this time, the Type 1 through 4 RRS conservatively assume ingestion of groundwater as drinking water. The groundwater exposure assumptions for the potential receptors are listed on the bottom of Table 2. Current plans for the site include placement of an environmental covenant to limit the use of groundwater so that groundwater exposure pathways will remain incomplete in the future.

Table 3 lists the Type 1 and Type 3 RRS for soils which are calculated in agreement with the HSRA rule. The default exposure assumptions from the Rule are listed on the bottom of the table. Table 4 presents the soil to groundwater leaching RRS and assumes a dilution attenuation factor (DAF) of 1 for the site-specific Type 2 and 4 RRS receptors. These values are based on equations provided in EPA's Soil Screening Guidance – Technical Background Document (SSG; USEPA, 1996) and use the Type 1 through 4 Groundwater RRS as target goals for leachate. The physical soil parameters are default parameters listed in the SSG, and the chemical parameters are from the RSL tables.

The residential leaching RRS are the higher of the Type 1 and Type 2 values; the non-residential leaching RRS are the higher of the Type 3 and Type 4 values. However, the non-residential soil RRS for leaching have not been applied because impacted soils are underneath the slab of the building effectively capping the area with soil impacts and no percolation to groundwater should occur. Additionally, to address impacts to groundwater, an environmental covenant will be added

for the site. Because the soil to groundwater pathway will effectively be incomplete, the non-residential soil RRS are based on direct contact only (incidental ingestion, dermal contact, and inhalation exposure pathways). This is a conservative approach because site workers do not currently and will not in the future have direct contact with soils beneath the slab as long as the foundation slab remains in place.

Tables 5 and 6 present the calculations used for the site-specific Type 2 and 4 RRS receptors, which are residents and industrial workers, respectively. Tables 5 and 6 include soil leaching values based on a DAF of 1. However, as explained above, soil leaching RRS will not be applied to soils beneath the foundation slab. Table 7 lists the volatilization factors (VFs) used for the detected constituents that are potentially volatile in soil (i.e., PCE and TCE). The VFs were calculated in accordance with the HSRA Rule using chemical and physical parameters issued by USEPA (USEPA, 2016). Tables 9 list the assumptions used in the Georgia Adult Lead Model for the workers. The Georgia Adult Lead Model is adapted from EPA's Adult Lead Methodology (USEPA, 2009) and estimates blood lead concentrations for pregnant women exposed to soil. The Integrated Exposure Uptake Biokinetic Model for Lead in Children (IEUBK) model (USEPA, 2007 and 2010) in support of the Type 2 soil RRS is attached. This model predicts that 409 mg/kg could remain in soil and not pose an unacceptable risk to small children (up to 84 months). The Type 2 and Type 4 soil leaching values for lead (960 mg/kg) is based on a site-specific leachability study using SPLP and total lead results. The results of this study are summarized on Table 4. For Type 2, the IEUBK model value (409 mg/kg) is lower than the site-specific leaching value. For Type 4, the Georgia Adult Lead Methodology value of 1,300 mg/kg is higher than the site-specific leaching value for lead in soil. Lead detections outside the foundation slab will be addressed by the overall Type 4 RRS for lead on the 139 Brampton Road property. Off-site areas will be addressed by the Type 2 RRS.

References:

HSRA Rule, -. Georgia Department of Natural Resources Environmental Protection Division Chapter 391-3-19.

USEPA, 1996. Soil Screening Guidance: Technical Background Document, EPA Document Number: EPA/540/R-95/128, July 1996.

USEPA, 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, OSWER 9355.4-24, December 2002.

USEPA, 2007 and 2010. IEUBK Model Version 1.1, build 1.1 and User's Guide for the Integrated Exposure Uptake Biokinetic Model for Lead in Children (IEUBK) Windows®, May 2007.

USEPA, 2009. Update of the Adult Lead Methodology's Default Baseline Blood Lead Concentration and Geometric Standard Deviation Parameter, OSWER Dir #9200.2-82 June 2009 with Update to the ALM Spreadsheet.

USEPA, 2016. Regional Screening Level Table, May 2016.

Table 1
Toxicity Values for Soil and Groundwater Constituents

PARAMETER	Chronic Reference Dose: Oral (RfDo) (mg/kg/day)	Chronic Reference Dose: Inhalation (RfDi) (mg/kg/day)	Cancer Slope Factor: Oral (SFo) (mg/kg/day)-1	Cancer Slope Factor: Inhalation (SFi) (mg/kg/day)-1	Weight of Evidence	Source for Chronic RfDs and SFs
Volatile Organic Compounds (VOCs)						
Tetrachloroethene	6.0E-03	1.1E-02	2.1E-03	9.1E-04	NA	IRIS
Trichloroethene	5.0E-04	5.7E-04	4.6E-02	1.4E-02	NA	IRIS
Metals						
Lead	ND	ND	ND	ND	NA	IRIS

SOURCES: EPA Regional Screening Level Table, May 2016.
IRIS Integrated Risk Information System

Table 2
Type 1 through Type 4 Ground Water RRS, mg/L

Parameter	Chronic Reference Dose Oral (mg/kg/day)	Chronic Reference Dose Inhalation (mg/kg/day)	Cancer Slope Factor Oral (mg/kg/day)-1	Cancer Slope Factor Inhalation (mg/kg/day)-1	Source for Chronic Rfds and CSFs	Volatile? (a)	Type 1/ Type 3 (mg/L)	Type 2 Standard (mg/L) Adult Noncarcinogenic	Type 2 Standard (mg/L) Adult Carcinogenic	Type 2 Standard (mg/L) Child Noncarcinogenic	Type 2 Standard (mg/L) Child Carcinogenic	Type 2 Overall	Overall Residential	Type 4 (mg/L) Industrial Worker Noncarcinogenic	Type 4 (mg/L) Industrial Worker Carcinogenic	Type 4 Overall IW	Overall Nonresidential IW
Volatile Organic Compounds (VOCs)																	
Tetrachloroethene	6.0E-03	1.1E-02	2.1E-03	9.1E-04	IRIS	v	5.0E-03	7.4E-02	1.5E-01	1.9E-02	2.0E-01	1.9E-02	1.9E-02	9.8E-02	2.6E-01	9.8E-02	9.8E-02
Trichloroethene	5.0E-04	5.7E-04	4.6E-02	1.4E-02	IRIS	v	5.0E-03	4.3E-03	8.5E-03	1.0E-03	1.2E-02	1.0E-03	5.0E-03	5.2E-03	1.5E-02	5.2E-03	5.2E-03
Metals																	
Lead	ND	ND	ND	ND	IRIS, NCEA		1.5E-02	ND	ND	ND	ND	ND	1.5E-02	ND	ND	ND	1.5E-02

IRIS Integrated Risk Information System
NCEA - National Center for Exposure Assessment, USEPA.
Cal EPA - California Environmental Protection Agency

ND Toxicity values not available

(a) Compound is not volatile in water.

Equation 2 (Noncarcinogens):

$$C = \frac{THI \times BW \times AT \times 365 days/year}{EF \times ED \times [(1/RfDi \times K \times IRa) + (1/RfDo \times IRw)]}$$

Equation 1 (Carcinogens):

$$C = \frac{TR \times BW \times AT \times 365 days/year}{EF \times ED \times [(SFi \times K \times IRa) + (SFo \times IRw)]}$$

Where:

	Type 2 Adult	Type 2 Parameters Child	Type 4 Industrial Worker Parameters
THI = Target Hazard Index =	1	1	1
BW = Body Weight =	70 kg	15 kg	70 kg
AT = Averaging Time =	30 years (noncarc.); 70 (ca	6	25 years for noncarcinogens; 70 years for carc.
EF = Exposure Frequency =	350 days/year	350 days/year	250 day/year
ED = Exposure Duration =	30 years	6 years	25 year
RfDi = Inhalation Reference Dose =	Chemical Specific	Chemical Specific	Chemical Specific
K = Volatilization Factor = 0.0005 x 1000 L/m3 =	0.5 L/m3	0.5 L/m3	0.5 L/m3
IRa = Inhalation Rate for Air =	15 m3/day	15 m3/day	20 m3/day
RfDo = Oral Reference Dose =	Chemical Specific	Chemical Specific	Chemical Specific
IRw = Ingestion Rate for Water =	2 L/day	1 L/day	1 L/day
TR = Target Risk =	0.00001	0.00001	0.00001
SFo = Oral Cancer Slope Factor =	Chemical Specific	Chemical Specific	Chemical Specific
SFi = Inhalation Cancer Slope Factor =	Chemical Specific	Chemical Specific	Chemical Specific

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Table 3
Type 1 and Type 3 Soil RRS, mg/kg

PARAMETER	Volatilization Factor (m^3/kg)	HSRA Type I Soil Criteria (mg/kg) (a)	HSRA Appendix I Value (mg/kg) (b)	Type I Groundwater RRS (mg/L) (c)	Type 1 GW RRS x 100 (mg/kg)	Number 1 (mg/kg) (d)	Risk-Based Residential Type 1 Noncarcinogenic (mg/kg) (e)	Risk-Based Residential Type 1 Carcinogenic (mg/kg) (f)	Risk-Based Soil Type 1 RRS (mg/kg) (g)	Overall Type 1 RRS (mg/kg) (h)	Risk-Based Nonresidential Type 3 Noncarcinogenic (mg/kg) (e)	Risk-Based Nonresidential Type 3 Carcinogenic (mg/kg) (f)	Risk-Based Soil Type 3 RRS (mg/kg) (g)	Subsurface Soil Type 3 RRS (mg/kg) (i)	Surface Soil Type 3 RRS (mg/kg) (j)
Volatile Organic Compounds (VOCs)															
Tetrachloroethene	2645	ND	0.18	0.005	0.5	0.5	141	315	141	0.5	152	410	152	0.5	0.5
Trichloroethene	2450	ND	0.13	0.005	0.5	0.5	6.7	18	7	0.5	7.1	24	7.1	0.5	0.5
Metals															
Lead	NA	75	400	0.015	1.5	400	ND	ND	ND	75	ND	ND	400	400	400

Notes:
(a) Table 2, Appendix III of HSRA regulations
(b) Appendix I of HSRA regulations. Value is the soil concentration that triggers notification requirements.
(c) Table 1, Appendix III of HSRA regulations. For those substances not listed, reporting limit used as the Type I groundwater RRS.
(d) Value is the highest of the Appendix I value and the groundwater RRS x 100.

(e) $$\frac{THI \times BW \times ATn \times 365 days/year}{EF \times ED \times [(1/RfDi \times (1/VF + 1/PEF) \times InhR) + (1/RfDo \times Irs \times CF)]}$$

(f) $$\frac{TR \times BW \times ATc \times 365 days/year}{EF \times ED \times [(SFi \times (1/VF + 1/PEF) \times InhR) + (SFo \times Irs \times CF)]}$$

(g) Minimum of noncarcinogenic and carcinogenic concentrations.
(h) Minimum concentration of Number 1 and Type 1 RRS.
(i) Maximum concentration of Number 1 and HSRA Type 1 Soil Criteria.
(j) Minimum concentration of the risk-based soil Type 3 RRS and the subsurface soil Type 3 RRS.
RL Reporting Limit
RRS Risk Reduction Standard
GW Groundwater
ND Not Determined - Can not be calculated

Exposure Parameters	Residential Type 1	Nonresidential Type 3	Unit
Total Hazard Index (THI)	1	1	unitless
Target Risk (TR)	1.E-05	1.E-05	unitless
Body Weight (BW)	70	70	kg
Averaging Time, Carcinogen (ATc)	70	70	yrs
Averaging Time, Noncarcinogen (ATn)	30	25	yrs
Exposure Duration (ED)	30	25	yrs
Exposure Frequency (EF)	350	250	days/yr
Soil Ingestion Rate (IRs)	114	50	mg/day
Air Inhalation Rate (InhR)	15	20	m^3/day
Particulate Emission Factor (PEF)	4.63E+09	4.63E+09	m^3/kg
Conversion Factor (CF)	1.E-06	1.E-06	kg/mg
Volatilization Factor (VF)	Chemical-specific	Chemical-specific	m^3/kg

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Table 4
Soil to Ground water Leachability

	K_d (L/kg) (1)	K_{oc} (L/kg) (2)	Source	$Ø_w$	Øa	H' (unitless)	$Ø_w+Øa*H'/Þ_b$	Groundwater Type 1/3 RRS (C_w, mg/L)	C_w*1	Pathway Type 1/3 C_s (mg/kg) (3)	Groundwater Type 2 RRS (C_w, mg/L)	C_w*1	Pathway Type 2 C_s (mg/kg) (4)	Residential Soil Leaching Criteria (5)
Volatile Organic Compounds (VOCs)														
Tetrachloroethene	0.19	95	RSL	0.30	0.13	0.72	0.26	0.005	0.005	0.0023	0.019	0.019	0.0086	0.0086
Trichloroethene	0.12	61	RSL	0.30	0.13	0.40	0.23	0.005	0.005	0.0018	0.0010	0.001	0.00037	0.0018
Metals														
Lead	900	NA	RSL	0.30	0.13	0	0.20	0.02	0.02	960	ND	NA	NA	960

NA Not Available
ND No Data Available
RSL EPA Regional Screening Level
ATSDR Agency for Toxic Substances and Disease Registry
1. Kd values taken from USEPA Regional Screening Table User's Guide.
2. Koc values taken from the EPA RSL Chemical-specific Parameters Supporting Table May 2016 unless otherwise noted. $K_d = K_{oc} * f_{oc}$ where f_{oc} equals 0.002.
3. Pathway Type 1/3 C_s = (Kd + Øw+Øa*H'/Þb) x Type 1/3 Groundwater RRS.
4. Pathway Type 4 Cs = (Kd + Øw+Øa*H'/Þb) x Type 4 Groundwater RRS.
5. Residential leaching value is the higher of the values based on the Type 1 and Type 2 groundwater RRS.
6. Non-residential leaching value is the higher of the values based on Type 3 and Type 4 groundwater RRS.

SS Site-specific leaching value for lead based on leach test results, 1997:

Sample	(mg/kg)	Leached Lead (mg/l)
SL-12	4600	0.006
SL-20	390	0.01
SL-31	470	0.008
SL-35	**960**	**0.013**

$Ø_w$ Water-filled soil porosity = 0.3 (L/L)
$Ø_a$ Air-filled soil porosity = 0.13 (L/L)
H' Dimensionless Henry Law Constant (HLC x 41) (unitless)
Þb Dry soil bulk density = 1.5 kg/L
RRS Risk Reduction Standard
C_w Target Leachate Concentration (mg/L)
C_s Screening Level in soil (mg/kg)

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Table 5
Type 2 Soil RRS, mg/kg

PARAMETER	Volatilization Factor (m^3/kg)	Residential Leaching DAF=1 (mg/kg)	Risk-Based Residential Child Noncarcinogenic (mg/kg) (a)	Risk-Based Residential Child Carcinogenic (mg/kg) (b)	Risk-Based Residential Adult Noncarcinogenic (mg/kg) (a)	Risk-Based Residential Adult Carcinogenic (mg/kg) (b)	Risk-Based Soil Type 2 RRS (mg/kg) (c)	Overall Type 2 RRS DAF=1 (mg/kg) (d)
Volatile Organic Compounds (VOCs)								
Tetrachloroethene	2645	0.0086	29	327	107	240	29	0.0086
Trichloroethene	2450	0.0018	1.4	19	5.0	14	1.4	0.0018
Metals								
Lead	NA	960	409	ND	ND	ND	409	409

Notes:
RRS Risk Reduction Standard
ND Not Determined - Can not be calculated

(a) $$\frac{THI \times BW \times ATn \times 365days/year}{EF \times ED \times [(1/RfDi \times (1/VF + 1/PEF) \times InhR) + (1/RfDo \times Irs \times CF)]}$$

(b) $$\frac{TR \times BW \times ATc \times 365days/year}{EF \times ED \times [(SFi \times (1/VF + 1/PEF) \times InhR) + (SFo \times Irs \times CF)]}$$

(c) Minimum of noncarcinogenic and carcinogenic concentrations.
(d) Minimum concentration of Leaching Value and Risk-based Value.

Exposure Parameters	Residential Child Type 2	Residential Adult Type 2
Total Hazard Index (THI)	1	1
Target Risk (TR)	1.E-05	1.E-05
Body Weight (BW)	15	70
Averaging Time, Carcinogen (ATc)	70	70
Averaging Time, Noncarcinogen (ATn)	6	30
Exposure Duration (ED)	6	30
Exposure Frequency (EF)	350	350
Soil Ingestion Rate (IRs)	200	100
Air Inhalation Rate (InhR)	15	20
Particulate Emission Factor (PEF)	4.63E+09	4.63E+09
Conversion Factor (CF)	1.E-06	1.E-06
Volatilization Factor (VF)	Chemical-specific	Chemical-specific

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Table 6
Type 4 Soil RRS, mg/kg
Default Industrial Worker

PARAMETER	Volatilization Factor (m^3/kg)	Nonresidential Leaching DAF=1 (mg/kg)	Risk-Based Industrial Worker Noncarcinogenic (mg/kg) (a)	Risk-Based Industrial Worker Carcinogenic (mg/kg) (b)	Risk-Based Soil IW Type 4 RRS (mg/kg) (c)	Overall IW Type 4 RRS DAF=1 (mg/kg) (d)
Volatile Organic Compounds (VOCs)						
Tetrachloroethene	2645	0.044	152	410	152	0.044
Trichloroethene	2450	0.0019	7.1	24	7.1	0.0019
Metals						
Lead	NA	960	1300	ND	1300	960

Notes:
RRS Risk Reduction Standard
DAF Dilution Attenuation Factor

(a) $$\frac{THI \times BW \times ATn \times 365 days/year}{EF \times ED \times [(1/RfDi \times (1/VF + 1/PEF) \times InhR) + (1/RfDo \times Irs \times CF)]}$$

(b) $$\frac{TR \times BW \times ATc \times 365 days/year}{EF \times ED \times [(SFi \times (1/VF + 1/PEF) \times InhR) + (SFo \times Irs \times CF)]}$$

(c) Minimum of noncarcinogenic and carcinogenic concentrations.
(d) Minimum concentration of Leaching Value and Risk-based Value.

Exposure Parameters	Industrial Worker Type 4	Unit
Total Hazard Index (THI)	1	unitless
Target Risk (TR)	1.E-05	unitless
Body Weight (BW)	70	kg
Averaging Time, Carcinogen (ATc)	70	yrs
Averaging Time, Noncarcinogen (ATn)	25	yrs
Exposure Duration (ED)	25	yrs
Exposure Frequency (EF)	250	days/yr
Soil Ingestion Rate (IRs)	50	mg/day
Air Inhalation Rate (InhR)	20	m3/day
Particulate Emission Factor (PEF)	4.63E+09	m3/kg
Conversion Factor (CF)	1.E-06	kg/mg
Volatilization Factor (VF)	Chemical-specific	m3/kg

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Table 7
Derivation of VF Factors (Soil-to-Air Volatilization Factor)
Based on Regional Screening Level Chemical-specific Parameters Supporting Table May 2016

Analyte	CAS No.	MW	H` (unitless)	HLC (atm-m3/mole)	Density (g/cm3)	Dia (cm2/s)	Diw (cm2/s)	Koc (L/kg)	S (mg/L)	Dei (cm^2/sec)	K_d (cm^3/g)	K_{as} (g/cm^3)	Y (cm^2/sec)	VF (m^3/kg)
Volatile Organic Compounds (VOCs)														
Tetrachloroethylene	127-18-4	165.83	0.7236304	0.0177	1.623	0.0504664	9.4551E-06	94.94	206	0.035689855	1.8988	3.82E-01	2.57E-03	2.65E+03
Trichloroethylene	79-01-6	131.39	0.4026983	0.00985	1.4642	0.0686618	0.0000102	60.7	1280	0.048557648	1.2140	3.33E-01	3.07E-03	2.44E+03

Equation is from USEPA, 1991b.
VF = Volatilization Factor (m^3/kg)

$$VF = (LS \times V \times DH) / (A) * \frac{(3.14 \times Y \times T)^{1/2}\ (3.14 \times Y \times T)^{1/2}}{(2 \times Dei \times P \times Kas \times 0.001)}$$

$$Y = \frac{Dei \times P}{P + (p(1-P)/Kas)}$$

LS = Length of side of contaminated area =	45	m (default)
V = wind speed in mixing zone =	2.25	m/s (default)
DH = diffusion height =	2	m
A = area of contamination =	20,250,000	cm^2 (default)
T = exposure interval =	790000000	s = 25 yrs
Dei = effective diffusivity (cm^2/s) =	Chemical Specific	
P = air filled soil porosity (unitless) =	0.35	(default)
Kas = soil/air partition coefficient (g soil/cm^3 air) =	Chemical Specific	
Conversion factor =	0.001	kg/g
p = True soil density or particulate density =	2.65	g/cm^3 (default)

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Table 8
Summary of Soil RRS

PARAMETER	Type 1 RRS mg/kg	Type 2 RRS DAF of 1** mg/kg	Type 3 RRS Surface mg/kg	Type 3 RRS Subsurface mg/kg	Type 4 RRS IW Risk-Based* mg/kg
Volatile Organic Compounds (VOCs)					
Tetrachloroethene	0.50	0.0086	0.5	0.5	152
Trichloroethene	0.50	0.0018	0.5	0.5	7.1
Metals					
Lead	75	409	400	400	1300

*On- Site Risk-Based RRS - Based on direct contact RRS. Leaching to be addressed through an environmental covenant.
**Off-Site RRS - Based on overall Type 2 RRS

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Table 9
Calculation of Remediation Goal for Lead in Soil - Industrial Workers

Exposure Variable	PRG Equation[1]	Description of Exposure Variable	Units	Values for Industrial Worker Using Equation 1 GSDi = 2.04
$PbB_{fetal,\ 0.95}$	X	95th percentile PbB in fetus	ug/dL	10
$R_{fetal/maternal}$	X	Fetal/maternal PbB ratio	--	0.9
BKSF	X	Biokinetic Slope Factor	ug/dL per ug/day	0.4
GSD_i	X	Geometric standard deviation PbB	--	2.04
PbB_0	X	Baseline PbB	ug/dL	1.38
IR_S	X	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050
$AF_{S,\ D}$	X	Absorption fraction (same for soil and dust)	--	0.12
C_w	X	Concentration of lead in ground water (average for site)	ug/L	4
IR_w[2]	X	Intake rate of water from on-site ground water	L/day	1
AF_w	X	Absolute gastrointestinal absorption fraction for lead in GW		0.2
EF	X	Exposure frequency (same for soil and dust and water)	days/yr	219
AT	X	Averaging Time	days/yr	365
PRG		**Preliminary Remediation Goal**	**ppm**	**1,300**

Note:

Level in groundwater set to background default value.

(a) Assumptions for the Adult Lead Model for EPA were updated in June 2009. Soil ingestion rate and frequency of exposure based on Frequent Questions from Risk Assessors on the ALM (www.epa.gov/superfund/health/contaminants/lead/almfaq.htm).

***Equation based on Georgia Adult Lead Model (November, 1999).**

$$\mathbf{PRG} = \frac{[([PbB_{fetal,0.95}/(R*(GSD_i^{1.645})])-PbB_0) - (C_w*I_w*A_w)] * (IR_S*AF_S)^{-1}}{BKSF*(EF/AT)}$$

Prepared by: LMS 3/13/2013

Checked by: MKB 3/14/13

Sources:

U.S. EPA (1996). Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil.
Georgia EPD HSRA: Appendix IV.

LEAD MODEL FOR WINDOWS Version 1.1

==========

Model Version: 1.1 Build11
User Name:
Date:
Site Name:
Operable Unit:
Run Mode: Research

==========

******** Air ********

Indoor Air Pb Concentration: 30.000 percent of outdoor.
Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m^3/day)	Lung Absorption (%)	Outdoor Air Pb Conc (µg Pb/m^3)
.5-1	1.000	2.000	32.000	0.100
1-2	2.000	3.000	32.000	0.100
2-3	3.000	5.000	32.000	0.100
3-4	4.000	5.000	32.000	0.100
4-5	4.000	5.000	32.000	0.100
5-6	4.000	7.000	32.000	0.100
6-7	4.000	7.000	32.000	0.100

******** Diet ********

Age	Diet Intake(µg/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

******** Drinking Water ********

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 5.000 µg Pb/L

******** Soil & Dust ********

Multiple Source Analysis Used
Average multiple source concentration: 296.300 µg/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (µg Pb/g)
.5-1	409.000	296.300
1-2	409.000	296.300
2-3	409.000	296.300
3-4	409.000	296.300
4-5	409.000	296.300
5-6	409.000	296.300
6-7	409.000	296.300

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

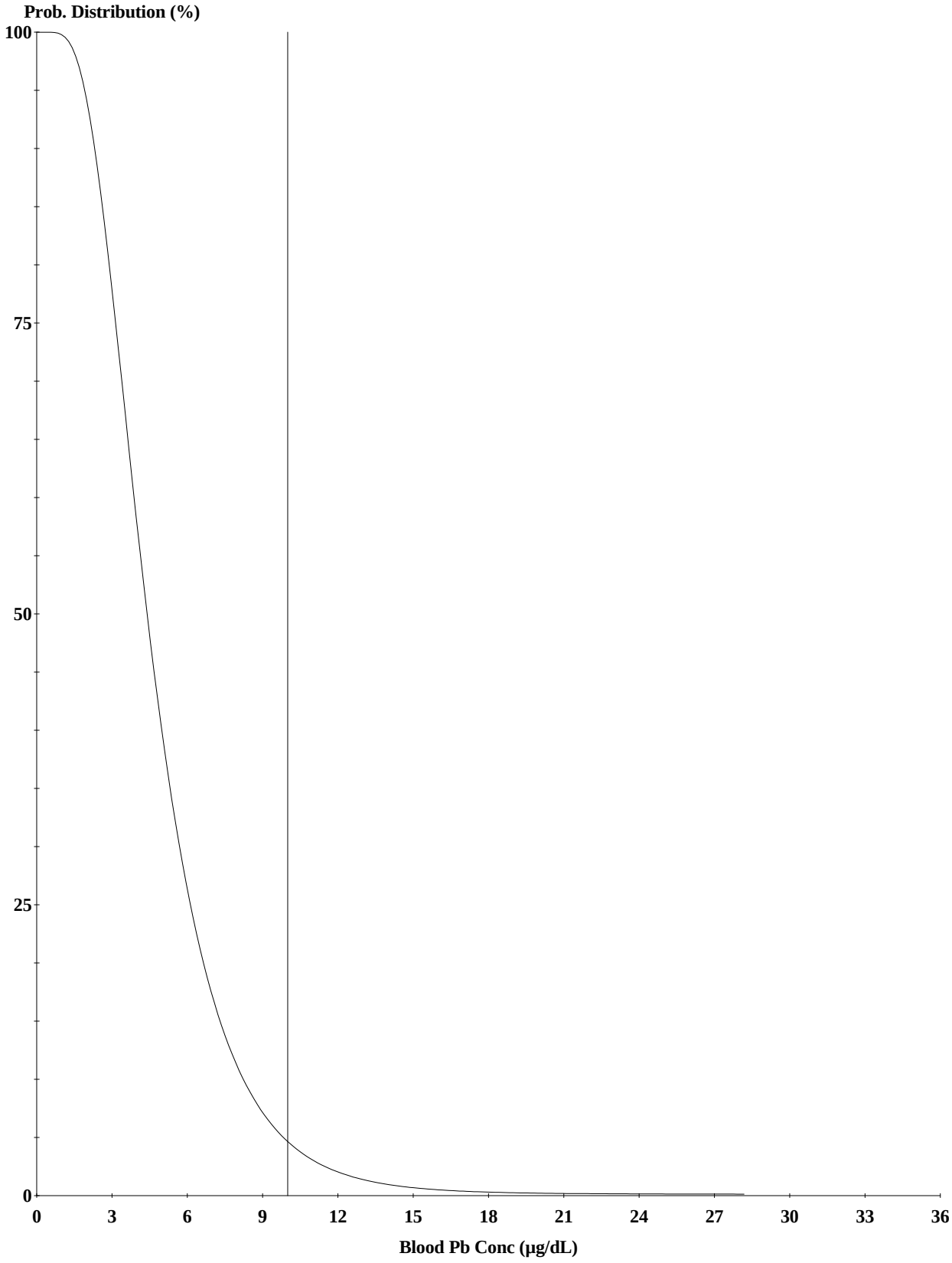
****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

****
CALCULATED BLOOD LEAD AND LEAD UPTAKES:
****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.021	1.014	0.000	0.449
1-2	0.034	0.863	0.000	1.101
2-3	0.062	0.953	0.000	1.164
3-4	0.067	0.927	0.000	1.204
4-5	0.067	0.913	0.000	1.288
5-6	0.093	0.971	0.000	1.373
6-7	0.093	1.057	0.000	1.405

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	7.942	9.426	5.1
1-2	12.374	14.372	5.9
2-3	12.582	14.761	5.5
3-4	12.773	14.971	5.2
4-5	9.748	12.015	4.3
5-6	8.871	11.308	3.6
6-7	8.429	10.985	3.2



Cutoff = 10.000 µg/dl
Geo Mean = 4.610
GSD = 1.600
% Above = 4.973

Age Range = 0 to 84 months

Run Mode = Research

Table 10
Lead Data from Norfolk Southern Property

Sample ID	Lead	D_Lead
SL-43-2	29	1
SL-41-2	30	1
SL-40-2	13	1
HA-NS-02-1	13.5	1
SL-39-2	460	1
SL-39-3	17	1
HA-NS-01-1	10.5	1
SL-38-3	31	1
	75.5	

Table 11
Norfolk-Southern Tract Lead Summary Statistics

	Frequency of Detection	Units	Minimum Detected Concentration	Maximum Detected Concentration	Arithmetic Mean
Lead	8/8	mg/kg	10.5	460	75.5

Notes:
mg/kg = milligrams per kilogram

PREPARED BY/DATE: SAG 02/25/16
CHECKED BY/DATE: LMS 2/29/16

Table 12
Lead Soil Data
McDonald Ventures Site

Sample ID	Sample Dept	SS Lead	D_SS Lead
SL-44	0.5	310	1
SL-45	0.5	150	1
SL-49	0.5	490	1
SL-50	0.5	280	1
GP-27	1	17.8	1
GP-28	1	71	1
GP-29	1	41.6	1
GP-30	1	5.23	0
SL-44	1	420	1
SL-45	1	18	1
SL-49	1	160	1
SL-50	1	120	1
SL-44	1.5	180	1
SL-50	1.5	110	1
SL-44	2	300	1

Table 13: UCL Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation	2/22/2016 11:51
From File	Table E-1A Off-site McDonald Ventures Lead Soils.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operation	2000

SS Lead Off-Site Brampton Road

General Statistics

Total Number of Observations	15	Number of Distinct Observations	15
Number of Detects	14	Number of Non-Detects	1
Number of Distinct Detects	14	Number of Distinct Non-Detects	1
Minimum Detect	17.8	Minimum Non-Detect	5.23
Maximum Detect	490	Maximum Non-Detect	5.23
Variance Detects	22063	Percent Non-Detects	6.67%
Mean Detects	190.6	SD Detects	148.5
Median Detects	155	CV Detects	0.779
Skewness Detects	0.721	Kurtosis Detects	-0.381
Mean of Logged Detects	4.845	SD of Logged Detects	1.071

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.922	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.874	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.171	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.237	Detected Data appear Normal at 5% Significance Level	

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	178.2	Standard Error of Mean	39.07
SD	145.8	95% KM (BCA) UCL	241.4
95% KM (t) UCL	247.1	95% KM (Percentile Bootstrap) UCL	243.7
95% KM (z) UCL	242.5	95% KM Bootstrap t UCL	257.6
90% KM Chebyshev UCL	295.4	95% KM Chebyshev UCL	348.5
97.5% KM Chebyshev UCL	422.2	99% KM Chebyshev UCL	567

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.253	Anderson-Darling GOF Test	
5% A-D Critical Value	0.753	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.134	Kolmogrov-Smirnoff GOF	
5% K-S Critical Value	0.233	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.378	k star (bias corrected MLE)	1.131
Theta hat (MLE)	138.3	Theta star (bias corrected MLE)	168.6
nu hat (MLE)	38.6	nu star (bias corrected)	31.66
MLE Mean (bias corrected)	190.6	MLE Sd (bias corrected)	179.2

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	1.494	nu hat (KM)	44.83
Approximate Chi Square Value (44.83, α)	30.47	Adjusted Chi Square Value (44.83, β)	29.02
95% Gamma Approximate KM-UCL (use when n>=	262.2	95% Gamma Adjusted KM-UCL (use when n<50)	275.4

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	177.9
Maximum	490	Median	150
SD	151.4	CV	0.851

Prepared/Date: LMS 2/22/2016
Checked/Date: MKB 2/23/2016

k hat (MLE)	0.635	k star (bias corrected MLE)	0.552
Theta hat (MLE)	280.3	Theta star (bias corrected MLE)	322.2
nu hat (MLE)	19.04	nu star (bias corrected)	16.56
MLE Mean (bias corrected)	177.9	MLE Sd (bias corrected)	239.4
		Adjusted Level of Significance (β)	0.0324
Approximate Chi Square Value (16.56, α)	8.361	Adjusted Chi Square Value (16.56, β)	7.652
95% Gamma Approximate UCL (use when n>=50)	352.4	95% Gamma Adjusted UCL (use when n<50)	385.1

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.912	Shapiro Wilk GOF Test	
5% Shapiro Wilk Critical Value	0.874	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.16	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.237	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	178.6	Mean in Log Scale	4.676
SD in Original Scale	150.5	SD in Log Scale	1.223
95% t UCL (assumes normality of ROS data)	247	95% Percentile Bootstrap UCL	244
95% BCA Bootstrap UCL	245.9	95% Bootstrap t UCL	261.7
95% H-UCL (Log ROS)	627.4		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed

KM Mean (logged)	4.633	95% H-UCL (KM -Log)	692.2
KM SD (logged)	1.276	95% Critical H Value (KM-Log)	3.208
KM Standard Error of Mean (logged)	0.342		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	**178.1**	Mean in Log Scale	4.587
SD in Original Scale	151.1	SD in Log Scale	1.439
95% t UCL (Assumes normality)	246.8	95% H-Stat UCL	1061

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics
Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	247.1	95% KM (Percentile Bootstrap) UCL	243.7

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Prepared/Date: LMS 2/22/2016
Checked/Date: MKB 2/23/2016

F-2

RISK REDUCTION STANDARD CALCULATION 2012

Table 1
Toxicity Values for Soil and Groundwater Constituents

PARAMETER	Chronic Reference Dose: Oral (RfDo) (mg/kg/day)	Chronic Reference Dose: Inhalation (RfDi) (mg/kg/day)	Cancer Slope Factor: Oral (SFo) (mg/kg/day)-1	Cancer Slope Factor: Inhalation (SFi) (mg/kg/day)-1	Weight of Evidence	Source for Chronic RfDs and SFs
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	2.0E+00	1.4E+00	ND	ND	D	IRIS
1,1,2-Trichloroethane	4.0E-03	5.7E-05	5.7E-02	5.6E-02	C	IRIS, PPRTV
1,1-Dichloroethane	2.0E-01	ND	5.7E-03	5.6E-03	C	PPRTV, CALEPA
1,1-Dichloroethene	5.0E-02	5.7E-02	ND	ND	C	IRIS
1,2-Dichlorobenzene	9.0E-02	5.7E-02	ND	ND	D	IRIS, HEAST
1,2-Dichloroethane	6.0E-03	2.0E-03	9.1E-02	9.1E-02	B2	IRIS, PPRTV
1,3-Dichlorobenzene	ND	ND	ND	ND	D	ND
1,4-Dichlorobenzene	7.0E-02	2.3E-01	5.4E-03	3.9E-02	NA	IRIS, ATSDR, CALEPD
1,4-Dioxane	3.0E-02	8.6E-01	1.0E-01	2.7E-02	B2	IRIS, CALEPA
2-Butanone	6.0E-01	1.4E+00	ND	ND	NA	IRIS
Acetone	9.0E-01	8.9E+00	ND	ND	NA	IRIS, ATSDR
Benzene	4.0E-03	8.6E-03	5.5E-02	2.7E-02	A	IRIS
Carbon Disulfide	1.0E-01	2.0E-01	ND	ND	NA	IRIS
Carbon Tetrachloride	4.0E-03	2.9E-02	7.0E-02	4.2E-07	B2	IRIS
Chlorobenzene	2.0E-02	1.4E-02	ND	ND	D	IRIS, PPRTV
Chloroethane	ND	2.9E+00	ND	ND	NA	IRIS
Chloroform	1.0E-02	2.8E-02	3.1E-02	8.1E-02	B2	IRIS, CALEPA, ATSDR
cis-1,2-Dichloroethene	2.0E-03	ND	ND	ND	D	IRIS
Cyclohexane	ND	1.7E+00	ND	ND	NA	IRIS
Ethylbenzene	1.0E-01	2.9E-01	1.1E-02	8.8E-03	D	CALEPA, IRIS
Isopropylbenzene	1.0E-01	1.1E-01	ND	ND	D	ND
Methylene Chloride	6.0E-03	1.7E-01	2.0E-03	3.5E-05	B2	IRIS
Styrene	2.0E-01	2.9E-01	ND	ND	NA	IRIS
Tetrachloroethene	6.0E-03	1.1E-02	2.1E-03	9.1E-04	NA	IRIS
Toluene	8.0E-02	1.4E+00	ND	ND	D	IRIS
trans-1,2-Dichloroethene	2.0E-02	1.7E-02	ND	ND	NA	IRIS,PPRTV
Trichloroethene	5.0E-04	5.7E-04	4.6E-02	1.4E-02	NA	IRIS
Vinyl chloride (lifetime)	3.0E-03	2.9E-02	1.5E+00	3.1E-02	A	IRIS
Xylenes, mixture	2.0E-01	2.9E-02	ND	ND	NA	IRIS
Semi-volatile Organic Compounds						
Acenaphthene	6.0E-02	ND	ND	ND	NA	IRIS
Acenaphthylene	ND	ND	ND	ND	D	NA
Fluoranthene	4.0E-02	ND	ND	ND	D	IRIS
Fluorene	4.0E-02	ND	ND	ND	D	IRIS
Naphthalene	2.0E-02	8.6E-04	ND	1.2E-01	C	IRIS, CALEPA
Metals						
Arsenic	3.0E-04	4.3E-06	1.5E+00	1.5E+01	A	IRIS, CALEPA
Barium	2.0E-01	1.4E-04	ND	ND	D	IRIS, HEAST
Beryllium	2.0E-03	2.9E-01	ND	8.4E+00		IRIS
Cadmium (Diet)	1.0E-03	2.9E-01	ND	6.3E+00	B1	IRIS, CALEPA
Chromium, total	1.5E+00	ND	ND	ND	D	IRIS
Cobalt	3.0E-03	2.9E-05	5.0E-01	2.9E+02	A/D	IRIS, NJ
Mercury (Inorganic Salts)	ND	ND	ND	ND	B2	IRIS, NCEA
Nickel Soluble Salts	3.0E-04	ND	ND	ND	C	IRIS

SOURCES: EPA Regional Screening Level Table, November 2011.
IRIS Integrated Risk Information System
PPRTV Provisional Peer Reviewed Toxicity Values
CALEPA California Environmental Protection Agency
HEAST Health Exposure Assessment Summary Tables
ATSDR Agency for Toxic Substances and Disease Registry
NCEA National Center for Environmental Assessment
NJ New Jersey Department of Environmental Protection
ND No Data
NA Not Available

Revised/Date: LWC 3/28/12
Checked/Date: LMS 3/30/12

Table 2
Type 1 through Type 4 Ground Water RRS, mg/L

Parameter	Chronic Reference Dose Oral (mg/kg/day)	Chronic Reference Dose Inhalation (mg/kg/day)	Cancer Slope Factor Oral (mg/kg/day)-1	Cancer Slope Factor Inhalation (mg/kg/day)-1	Source for Chronic Rfds and CSFs	Volatile? (a)	Type 1/ Type 3 (mg/L)		Type 2 Standard (mg/L) Adult Noncarcinogenic	Type 2 Standard (mg/L) Adult Carcinogenic	Type 2 Standard (mg/L) Child Noncarcinogenic	Type 2 Standard (mg/L) Child Carcinogenic	Type 2 Overall	Overall Residential	Type 4 (mg/L) Industrial Worker Noncarcinogenic	Type 4 (mg/L) Industrial Worker Carcinogenic	Type 4 Overall IW	Overall Nonresidential IW
Volatile Organic Compounds (VOCs)																		
1,1,1-Trichloroethane	2.0E+00	1.4E+00	ND	ND	IRIS	v	2.0E-01		1.1E+01	ND	2.7E+00	ND	2.7E+00	2.7E+00	1.3E+01	ND	1.3E+01	1.3E+01
1,1,2-Trichloroethane	4.0E-03	5.7E-05	5.7E-02	5.6E-02	IRIS, PPRTV	v	5.0E-03		5.5E-04	3.2E-03	1.2E-04	3.8E-03	1.2E-04	5.0E-03	5.8E-04	4.6E-03	5.8E-04	5.0E-03
1,1-Dichloroethane	2.0E-01	ND	5.7E-03	5.6E-03	PPRTV, CALEPA	v	4.0E+00		7.3E+00	3.2E-02	3.1E+00	3.8E-02	3.2E-02	4.0E+00	2.0E+01	4.6E-02	4.6E-02	4.0E+00
1,1-Dichloroethene	5.0E-02	5.7E-02	ND	ND	IRIS	v	7.0E-03		4.3E-01	ND	1.0E-01	ND	1.0E-01	1.0E-01	5.2E-01	ND	5.2E-01	5.2E-01
1,2-Dichlorobenzene	9.0E-02	5.7E-02	ND	ND	IRIS, HEAST	v	6.0E-01		4.8E-01	ND	1.1E-01	ND	1.1E-01	6.0E-01	5.5E-01	ND	5.5E-01	6.0E-01
1,2-Dichloroethane	6.0E-03	2.0E-03	9.1E-02	9.1E-02	IRIS, PPRTV	v	5.0E-03		1.8E-02	2.0E-03	4.0E-03	2.4E-03	2.0E-03	5.0E-03	2.0E-02	2.9E-03	2.9E-03	5.0E-03
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	v	6.0E-01		ND	ND	ND	ND	ND	6.0E-01	ND	ND	ND	6.0E-01
1,4-Dichlorobenzene	7.0E-02	2.3E-01	5.4E-03	3.9E-02	IRIS, ATSDR, CALEPD	v	7.5E-02		1.2E+00	5.7E-03	3.3E-01	6.2E-03	5.7E-03	7.5E-02	1.8E+00	7.3E-03	7.3E-03	7.5E-02
1,4-Dioxane	3.0E-02	8.6E-01	1.0E-01	2.7E-02	IRIS, CALEPA	v	2.0E-02	DL	9.7E-01	4.2E-03	3.7E-01	6.0E-03	4.2E-03	2.0E-02	2.3E+00	7.7E-03	7.7E-03	2.0E-02
2-Butanone	6.0E-01	1.4E+00	ND	ND	IRIS	v	2.0E+00		8.4E+00	ND	2.2E+00	ND	2.2E+00	2.2E+00	1.2E+01	ND	1.2E+01	1.2E+01
Acetone	9.0E-01	8.9E+00	ND	ND	IRIS, ATSDR	v	4.0E+00		2.4E+01	ND	8.0E+00	ND	8.0E+00	8.0E+00	4.6E+01	ND	4.6E+01	4.6E+01
Benzene	4.0E-03	8.6E-03	5.5E-02	2.7E-02	IRIS	v	5.0E-03		5.3E-02	5.5E-03	1.4E-02	7.1E-03	5.5E-03	5.5E-03	7.2E-02	8.8E-03	8.8E-03	8.8E-03
Carbon Disulfide	1.0E-01	2.0E-01	ND	ND	IRIS	v	4.0E+00		1.3E+00	ND	3.3E-01	ND	3.3E-01	4.0E+00	1.7E+00	ND	1.7E+00	4.0E+00
Carbon Tetrachloride	4.0E-03	2.9E-02	7.0E-02	4.2E-07	IRIS	v	5.0E-03		9.6E-02	1.2E-02	3.1E-02	2.6E-02	1.2E-02	1.2E-02	1.7E-01	4.1E-02	4.1E-02	4.1E-02
Chlorobenzene	2.0E-02	1.4E-02	ND	ND	IRIS, PPRTV	v	1.0E-01		1.1E-01	ND	2.7E-02	ND	2.7E-02	1.0E-01	1.3E-01	ND	1.3E-01	1.3E-01
Chloroethane	ND	2.9E+00	ND	ND	IRIS	v	1.0E-02	DL	2.8E+01	ND	6.0E+00	ND	6.0E+00	6.0E+00	3.0E+01	ND	3.0E+01	3.0E+01
Chloroform	1.0E-02	2.8E-02	3.1E-02	8.1E-02	IRIS, CALEPA, ATSDR	v	8.0E-02		1.6E-01	2.5E-03	4.3E-02	2.9E-03	2.5E-03	8.0E-02	2.2E-01	3.4E-03	3.4E-03	8.0E-02
cis-1,2-Dichloroethene	2.0E-03	ND	ND	ND	IRIS	v	7.0E-02		7.3E-02	ND	3.1E-02	ND	3.1E-02	7.0E-02	2.0E-01	ND	2.0E-01	2.0E-01
Cyclohexane	ND	1.7E+00	ND	ND	IRIS	v	5.0E-03	DL	1.7E+01	ND	3.5E+00	ND	3.5E+00	3.5E+00	1.7E+01	ND	1.7E+01	1.7E+01
Ethylbenzene	1.0E-01	2.9E-01	1.1E-02	8.8E-03	CALEPA, IRIS	v	7.0E-01		1.6E+00	1.9E-02	4.4E-01	2.4E-02	1.9E-02	7.0E-01	2.3E+00	2.9E-02	2.9E-02	7.0E-01
Isopropylbenzene	1.0E-01	1.1E-01	ND	ND	ND	v	5.0E-03	DL	8.3E-01	ND	2.0E-01	ND	2.0E-01	2.0E-01	1.0E+00	ND	1.0E+00	1.0E+00
Methylene Chloride	6.0E-03	1.7E-01	2.0E-03	3.5E-05	IRIS	v	5.0E-03		1.9E-01	4.0E-01	7.4E-02	8.1E-01	7.4E-02	7.4E-02	4.5E-01	1.2E+00	4.5E-01	4.5E-01
Styrene	2.0E-01	2.9E-01	ND	ND	IRIS	v	1.0E-01		2.0E+00	ND	5.1E-01	ND	5.1E-01	5.1E-01	2.6E+00	ND	2.6E+00	2.6E+00
Tetrachloroethene	6.0E-03	1.1E-02	2.1E-03	9.1E-04	IRIS	v	5.0E-03		7.4E-02	1.5E-01	1.9E-02	2.0E-01	1.9E-02	1.9E-02	9.8E-02	2.6E-01	9.8E-02	9.8E-02
Toluene	8.0E-02	1.4E+00	ND	ND	IRIS	v	1.0E+00		2.4E+00	ND	8.8E-01	ND	8.8E-01	1.0E+00	5.2E+00	ND	5.2E+00	5.2E+00
trans-1,2-Dichloroethene	2.0E-02	1.7E-02	ND	ND	IRIS,PPRTV	v	1.0E-01		1.3E-01	ND	3.2E-02	ND	3.2E-02	1.0E-01	1.6E-01	ND	1.6E-01	1.6E-01
Trichloroethene	5.0E-04	5.7E-04	4.6E-02	1.4E-02	IRIS	v	5.0E-03		4.3E-03	8.5E-03	1.0E-03	1.2E-02	1.0E-03	5.0E-03	5.2E-03	1.5E-02	5.2E-03	5.2E-03
Vinyl chloride (lifetime)	3.0E-03	2.9E-02	1.5E+00	3.1E-02	IRIS	v	2.0E-03		7.9E-02	5.3E-04	2.6E-02	1.1E-03	5.3E-04	2.0E-03	1.5E-01	1.6E-03	1.6E-03	2.0E-03
Xylenes, mixture	2.0E-01	2.9E-02	ND	ND	IRIS	v	1.0E+01		2.7E-01	ND	5.9E-02	ND	5.9E-02	1.0E+01	2.9E-01	ND	2.9E-01	1.0E+01
Semi-volatile Organic Compounds																		
Acenaphthene	6.0E-02	ND	ND	ND	IRIS	v	2.0E+00		2.2E+00	ND	9.4E-01	ND	9.4E-01	2.0E+00	6.1E+00	ND	6.1E+00	6.1E+00
Acenaphthylene	ND	ND	ND	ND	NA		5.0E-03	DL	ND	ND	ND	ND	ND	5.0E-03	ND	ND	ND	5.0E-03
Fluoranthene	4.0E-02	ND	ND	ND	IRIS		1.0E+00		1.5E+00	ND	6.3E-01	ND	6.3E-01	1.0E+00	4.1E+00	ND	4.1E+00	4.1E+00
Fluorene	4.0E-02	ND	ND	ND	IRIS	v	1.0E+00		1.5E+00	ND	6.3E-01	ND	6.3E-01	1.0E+00	4.1E+00	ND	4.1E+00	4.1E+00
Naphthalene	2.0E-02	8.6E-04	ND	1.2E-01	IRIS, CALEPA	v	2.0E-02		8.3E-03	1.9E-03	1.8E-03	2.0E-03	1.8E-03	2.0E-02	8.8E-03	2.4E-03	2.4E-03	2.0E-02
Metals																		
Arsenic	3.0E-04	(a)	1.5E+00	(a)	IRIS, CALEPA		1.0E-02		1.1E-02	5.7E-04	4.7E-03	1.2E-03	5.7E-04	1.0E-02	3.1E-02	1.9E-03	1.9E-03	1.0E-02
Barium	2.0E-01	(a)	ND	ND	IRIS, HEAST		2.0E+00		7.3E+00	ND	3.1E+00	ND	3.1E+00	3.1E+00	2.0E+01	ND	2.0E+01	2.0E+01
Beryllium	2.0E-03	(a)	ND	(a)	IRIS		4.0E-03		7.3E-02	ND	3.1E-02	ND	3.1E-02	3.1E-02	2.0E-01	ND	2.0E-01	2.0E-01
Cadmium (Water)	5.0E-04	(a)	ND	(a)	IRIS		5.0E-03		1.8E-02	ND	7.8E-03	ND	7.8E-03	7.8E-03	5.1E-02	ND	5.1E-02	5.1E-02
Chromium, total	3.0E-03	(a)	5.0E-01	(a)	IRIS, NJ		1.0E-01		1.1E-01	1.7E-03	4.7E-02	3.7E-03	1.7E-03	1.0E-01	3.1E-01	5.7E-03	5.7E-03	1.0E-01
Lead	ND	ND	ND	ND	IRIS, NCEA		1.5E-02		ND	ND	ND	ND	ND	1.5E-02	ND	ND	ND	1.5E-02
Mercury (Inorganic Salts)	3.0E-04	ND	ND	ND	IRIS		2.0E-03		1.1E-02	ND	4.7E-03	ND	4.7E-03	4.7E-03	3.1E-02	ND	3.1E-02	3.1E-02
Nickel Soluble Salts	2.0E-02	(a)	ND	(a)	IRIS, ATSDR, CALEPA		1.0E-01		7.3E-01	ND	3.1E-01	ND	3.1E-01	3.1E-01	2.0E+00	ND	2.0E+00	2.0E+00

IRIS Integrated Risk Information System
HEAST - Health Effects Assessment Summary Table FY1997, USEPA.
NCEA - National Center for Exposure Assessment, USEPA.
PPRTV - Provisional Peer Reviewed Toxicity Values, USEPA.
Cal EPA - California Environmental Protection Agency
ND Toxicity values not available
DL Detection limit
(a) Compound is not volatile in water.

Equation 2 (Noncarcinogens):

$$C = \frac{THI \times BW \times AT \times 365 days/year}{EF \times ED \times [(1/RfDi \times K \times IRa) + (1/RfDo \times IRw)]}$$

Equation 1 (Carcinogens):

$$C = \frac{TR \times BW \times AT \times 365 days/year}{EF \times ED \times [(SFi \times K \times IRa) + (SFo \times IRw)]}$$

Where:	Type 2 Adult	Type 2 Parameters Child	Type 4 Industrial Worker Parameters
THI = Target Hazard Index =	1	1	1
BW = Body Weight =	70 kg	15 kg	70 kg
AT = Averaging Time =	30 years (noncarc.); 70 (carc	6	25 years for noncarcinogens; 70 years for carc.
EF = Exposure Frequency =	350 days/year	350 days/year	250 day/year
ED = Exposure Duration =	30 years	6 years	25 year
RfDi = Inhalation Reference Dose =	Chemical Specific	Chemical Specific	Chemical Specific
K = Volatilization Factor = 0.0005 x 1000 L/m3 =	0.5 L/m3	0.5 L/m3	0.5 L/m3
IRa = Inhalation Rate for Air =	15 m3/day	15 m3/day	20 m3/day
RfDo = Oral Reference Dose =	Chemical Specific	Chemical Specific	Chemical Specific
IRw = Ingestion Rate for Water =	2 L/day	1 L/day	1 L/day
TR = Target Risk =	0.00001	0.00001	0.00001
SFo = Oral Cancer Slope Factor =	Chemical Specific	Chemical Specific	Chemical Specific
SFi = Inhalation Cancer Slope Factor =	Chemical Specific	Chemical Specific	Chemical Specific

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Table 3
Type 1 and Type 3 Soil RRS, mg/kg

PARAMETER	Volatilization Factor (m^3/kg)	HSRA Type 1 Soil Criteria (mg/kg) (a)	HSRA Appendix I Value (mg/kg) (b)	Type 1 Groundwater RRS (mg/L) (c)		Type 1 GW RRS x 100 (mg/kg)	Number 1 (mg/kg) (d)	Risk-Based Residential Type 1 Noncarcinogenic (mg/kg) (e)	Risk-Based Residential Type 1 Carcinogenic (mg/kg) (f)	Risk-Based Soil Type 1 RRS (mg/kg) (g)	Overall Type 1 RRS (mg/kg) (h)	Risk-Based Nonresidential Type 3 Noncarcinogenic (mg/kg) (e)	Risk-Based Nonresidential Type 3 Carcinogenic (mg/kg) (f)	Risk-Based Soil Type 3 RRS (mg/kg) (g)	Subsurface Soil Type 3 RRS (mg/kg) (i)	Surface Soil Type 3 RRS (mg/kg) (i)
Volatile Organic Compounds (VOCs)																
1,1,1-Trichloroethane	1.55E+03	ND	5.4E+00	2.0E-01		2.0E+01	2.0E+01	1.0E+04	ND	1.0E+04	2.0E+01	1.1E+04	ND	1.1E+04	2.0E+01	2.0E+01
1,2-Dichlorobenzene	1.59E+04	ND	2.5E+01	6.0E-01		6.0E+01	6.0E+01	4.1E+03	ND	4.1E+03	6.0E+01	4.5E+03	ND	4.5E+03	6.0E+01	6.0E+01
1,3-Dichlorobenzene	NA	ND	2.2E+00	6.0E-01		6.0E+01	6.0E+01	ND	ND	ND	6.0E+01	ND	ND	ND	6.0E+01	6.0E+01
1,4-Dichlorobenzene	1.42E+03	ND	6.8E+00	7.5E-02		7.5E+00	7.5E+00	1.5E+03	4.2E+01	4.2E+01	7.5E+00	1.6E+03	5.3E+01	5.3E+01	7.5E+00	7.5E+00
1,4-Dioxane	2.11E+04	ND	2.5E-01	2.0E-02	RL	2.0E+00	2.0E+00	1.6E+04	5.6E+02	5.6E+02	2.0E+00	3.7E+04	9.4E+02	9.4E+02	2.0E+00	2.0E+00
2-Butanone	7.34E+03	ND	7.9E-01	2.0E+00		2.0E+02	2.0E+02	4.7E+04	ND	4.7E+04	2.0E+02	5.4E+04	ND	5.4E+04	2.0E+02	2.0E+02
Acetone	6.72E+03	ND	2.7E+00	4.0E+00		4.0E+02	4.0E+02	1.9E+05	ND	1.9E+05	4.0E+02	2.6E+05	ND	2.6E+05	4.0E+02	4.0E+02
Benzene	4.53E+03	ND	2.0E-02	5.0E-03		5.0E-01	5.0E-01	1.8E+02	1.8E+01	1.8E+01	5.0E-01	1.9E+02	2.3E+01	2.3E+01	5.0E-01	5.0E-01
Carbon Disulfide	8.89E+02	ND	1.7E-02	4.0E+00		4.0E+02	4.0E+02	8.5E+02	ND	8.5E+02	4.0E+02	9.0E+02	ND	9.0E+02	4.0E+02	4.0E+02
Chlorobenzene	8.59E+03	ND	4.2E+00	1.0E-01		1.0E+01	1.0E+01	5.6E+02	ND	5.6E+02	1.0E+01	6.1E+02	ND	6.1E+02	1.0E+01	1.0E+01
Chloroethane (Ethyl chloride)	1.05E+03	ND	1.7E-01	1.0E-03	RL	1.0E-01	1.7E-01	1.5E+04	ND	1.5E+04	1.7E-01	1.6E+04	ND	1.6E+04	1.7E-01	1.7E-01
cis-1,2-Dichloroethene	2.74E+03	ND	5.3E-01	7.0E-02		7.0E+00	7.0E+00	1.3E+03	ND	1.3E+03	7.0E+00	4.1E+03	ND	4.1E+03	7.0E+00	7.0E+00
Cyclohexane	7.78E+02	ND	2.0E+01	5.0E-03	RL	5.0E-01	2.0E+01	6.4E+03	ND	6.4E+03	2.0E+01	6.8E+03	ND	6.8E+03	2.0E+01	2.0E+01
Ethylbenzene	7.64E+03	ND	2.0E+01	7.0E-01		7.0E+01	7.0E+01	9.2E+03	9.2E+01	9.2E+01	7.0E+01	1.1E+04	1.2E+02	1.2E+02	7.0E+01	7.0E+01
Isopropylbenzene	8.44E+03	ND	2.2E+01	5.0E-03	RL	5.0E-01	2.2E+01	4.2E+03	ND	4.2E+03	2.2E+01	4.6E+03	ND	4.6E+03	2.2E+01	2.2E+01
Styrene	1.27E+04	ND	1.4E+01	1.0E-01		1.0E+01	1.4E+01	1.6E+04	ND	1.6E+04	1.4E+01	1.8E+04	ND	1.8E+04	1.4E+01	1.4E+01
Tetrachloroethene	2.65E+03	ND	1.8E-01	5.0E-03		5.0E-01	5.0E-01	1.4E+02	3.2E+02	1.4E+02	5.0E-01	1.5E+02	4.1E+02	1.5E+02	5.0E-01	5.0E-01
Toluene	5.64E+03	ND	1.4E+01	1.0E+00		1.0E+02	1.0E+02	2.2E+04	ND	2.2E+04	1.0E+02	3.2E+04	ND	3.2E+04	1.0E+02	1.0E+02
trans-1,2-Dichloroethene	2.75E+03	ND	5.3E-01	1.0E-01		1.0E+01	1.0E+01	2.2E+02	ND	2.2E+02	1.0E+01	2.4E+02	ND	2.4E+02	1.0E+01	1.0E+01
Trichloroethene	2.45E+03	ND	1.3E-01	5.0E-03		5.0E-01	5.0E-01	6.7E+00	1.8E+01	6.7E+00	5.0E-01	ND	2.4E+01	2.4E+01	5.0E-01	5.0E-01
Xylenes, mixture	7.86E+03	ND	2.0E+01	1.0E+01		1.0E+03	1.0E+03	1.1E+03	ND	1.1E+03	1.0E+03	1.2E+03	ND	1.2E+03	1.0E+03	1.0E+03
SVOCS																
Acenaphthene	1.96E+05	ND	3.0E+02	2.0E+00		2.0E+02	3.0E+02	3.8E+04	ND	3.8E+04	3.0E+02	1.2E+05	ND	1.2E+05	3.0E+02	3.0E+02
Acenaphthylene	NA	ND	1.3E+02	5.0E-03	RL	5.0E-01	1.3E+02	ND	ND	ND	1.3E+02	ND	ND	ND	1.3E+02	1.3E+02
Fluoranthene	NA	ND	5.0E+02	1.0E+00		1.0E+02	5.0E+02	2.6E+04	ND	2.6E+04	5.0E+02	8.2E+04	ND	8.2E+04	5.0E+02	5.0E+02
Fluorene	3.93E+05	ND	3.6E+02	1.0E+00		1.0E+02	3.6E+02	2.6E+04	ND	2.6E+04	3.6E+02	8.2E+04	ND	8.2E+04	3.6E+02	3.6E+02
Naphthalene	6.43E+04	ND	1.0E+02	2.0E-02		2.0E+00	1.0E+02	2.6E+02	6.1E+02	2.6E+02	1.0E+02	2.8E+02	7.7E+02	2.8E+02	1.0E+02	1.0E+02
Metals																
Arsenic	NA	2.0E+01	4.1E+01	1.0E-02		1.0E+00	4.1E+01	1.9E+02	1.0E+01	1.0E+01	2.0E+01	6.1E+02	3.8E+01	3.8E+01	4.1E+01	3.8E+01
Barium	NA	1.0E+03	5.0E+02	2.0E+00		2.0E+02	5.0E+02	1.2E+05	ND	1.2E+05	1.0E+03	3.6E+05	ND	3.6E+05	1.0E+03	1.0E+03
Cadmium (Diet)	NA	2.0E+00	3.9E+01	5.0E-03		5.0E-01	3.9E+01	6.4E+02	8.3E+04	6.4E+02	2.0E+00	2.0E+03	1.1E+05	2.0E+03	3.9E+01	3.9E+01
Chromium, total	NA	1.0E+02	1.2E+03	1.0E-01		1.0E+01	1.2E+03	1.9E+03	2.9E+01	2.9E+01	1.0E+02	6.1E+03	1.1E+02	1.1E+02	1.2E+03	1.1E+02
Lead	NA	7.5E+01	4.0E+02	1.5E-02		1.5E+00	4.0E+02	ND	ND	ND	7.5E+01	ND	ND	4.0E+02	4.0E+02	4.0E+02
Mercury (Inorganic Salts)	NA	5.0E-01	1.7E+01	2.0E-03		2.0E-01	1.7E+01	1.9E+02	ND	1.9E+02	5.0E-01	6.1E+02	ND	6.1E+02	1.7E+01	1.7E+01
Nickel Soluble Salts	NA	5.0E+01	4.2E+02	1.0E-01		1.0E+01	4.2E+02	1.3E+04	5.8E+05	1.3E+04	5.0E+01	3.8E+04	7.3E+05	3.8E+04	4.2E+02	4.2E+02

Notes:

(a) Table 2, Appendix III of HSRA regulations
(b) Appendix I of HSRA regulations. Value is the soil concentration that triggers notification requirements.
(c) Table 1, Appendix III of HSRA regulations. For those substances not listed, reporting limit used as the Type I groundwater RRS.
(d) Value is the highest of the Appendix I value and the groundwater RRS x 100.

(e) $$\frac{THI \times BW \times ATn \times 365 days/year}{EF \times ED \times [(1/RfDi \times (1/VF + 1/PEF) \times InhR) + (1/RfDo \times Irs \times CF)]}$$

(f) $$\frac{TR \times BW \times ATc \times 365 days/year}{EF \times ED \times [(SFi \times (1/VF + 1/PEF) \times InhR) + (SFo \times Irs \times CF)]}$$

(g) Minimum of noncarcinogenic and carcinogenic concentrations.
(h) Minimum concentration of Number 1 and Type 1 RRS.
(i) Maximum concentration of Number 1 and HSRA Type 1 Soil Criteria.
(j) Minimum concentration of the risk-based soil Type 3 RRS and the subsurface soil Type 3 RRS.
RL Reporting Limit
RRS Risk Reduction Standard
GW Groundwater
ND Not Determined - Can not be calculated

Exposure Parameters	Residential Type 1	Nonresidential Type 3	Unit
Total Hazard Index (THI)	1	1	unitless
Target Risk (TR)	1.E-05	1.E-05	unitless
Body Weight (BW)	70	70	kg
Averaging Time, Carcinogen (ATc)	70	70	yrs
Averaging Time, Noncarcinogen (ATn)	30	25	yrs
Exposure Duration (ED)	30	25	yrs
Exposure Frequency (EF)	350	250	days/yr
Soil Ingestion Rate (IRs)	114	50	mg/day
Air Inhalation Rate (InhR)	15	20	m^3/day
Particulate Emission Factor (PEF)	4.63E+09	4.63E+09	m^3/kg
Conversion Factor (CF)	1.E-06	1.E-06	kg/mg
Volatilization Factor (VF)	Chemical-specific	Chemical-specific	m^3/kg

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Table 4
Soil to Ground water Leachability

	K_d (L/kg) (1)	K_{oc} (L/kg) (2)	Source	$Ø_w$	Øa	H' (unitless)	Øw+Øa*H'/Þb	Groundwater Type 1/3 RRS (C_w, mg/L)	C_w*1	Pathway Type 1/3 C_s (mg/kg) (3)	Groundwater Type 2 RRS (C_w, mg/L)	C_w*1	Pathway Type 2 C_s (mg/kg) (4)	Residential Soil Leaching Criteria (5)	Industrial Worker Groundwater Type 4 RRS (C_w, mg/L)	C_w*1	Pathway Type 4 C_s (mg/kg)	Industrial Worker Soil Leaching Criteria (6)
Volatile Organic Compounds (VOCs)																		
1,1,1-Trichloroethane	8.8E-02	4.4E+01	RSL	3.0E-01	1.3E-01	7.0E-01	2.6E-01	2.0E-01	2.0E-01	7.0E-02	2.7E+00	2.7E+00	9.3E-01	9.3E-01	1.3E+01	1.3E+01	4.7E+00	4.7E+00
1,2-Dichlorobenzene	7.7E-01	3.8E+02	RSL	3.0E-01	1.3E-01	7.8E-02	2.1E-01	6.0E-01	6.0E-01	5.8E-01	1.1E-01	1.1E-01	1.1E-01	5.8E-01	5.5E-01	5.5E-01	5.3E-01	5.8E-01
1,3-Dichlorobenzene	5.9E-01	3.0E+02	ATSDR	3.0E-01	1.3E-01	1.1E-01	2.1E-01	6.0E-01	6.0E-01	4.8E-01	6.0E-01	6.0E-01	4.8E-01	4.8E-01	6.0E-01	6.0E-01	4.8E-01	4.8E-01
1,4-Dichlorobenzene	7.5E-01	3.8E+02	RSL	3.0E-01	1.3E-01	9.9E-02	2.1E-01	7.5E-02	7.5E-02	7.2E-02	5.7E-03	5.7E-03	5.5E-03	7.2E-02	7.3E-03	7.3E-03	7.0E-03	7.2E-02
1,4-Dioxane	5.3E-03	2.6E+00	RSL	3.0E-01	1.3E-01	2.0E-04	2.0E-01	2.0E-02	2.0E-02	4.1E-03	4.2E-03	4.2E-03	8.7E-04	4.1E-03	7.7E-03	7.7E-03	1.6E-03	4.1E-03
2-Butanone	9.0E-03	4.5E+00	RSL	3.0E-01	1.3E-01	2.3E-03	2.0E-01	2.0E+00	2.0E+00	4.2E-01	2.2E+00	2.2E+00	4.7E-01	4.7E-01	1.2E+01	1.2E+01	2.4E+00	2.4E+00
Acetone	4.7E-03	2.4E+00	RSL	3.0E-01	1.3E-01	1.4E-03	2.0E-01	4.0E+00	4.0E+00	8.2E-01	8.0E+00	8.0E+00	1.6E+00	1.6E+00	4.6E+01	4.6E+01	9.4E+00	9.4E+00
Benzene	2.9E-01	1.5E+02	RSL	3.0E-01	1.3E-01	2.3E-01	2.2E-01	5.0E-03	5.0E-03	2.6E-03	5.5E-03	5.5E-03	2.8E-03	2.8E-03	8.8E-03	8.8E-03	4.5E-03	4.5E-03
Carbon Disulfide	4.3E-02	2.2E+01	RSL	3.0E-01	1.3E-01	5.9E-01	2.5E-01	4.0E+00	4.0E+00	1.2E+00	3.3E-01	3.3E-01	9.7E-02	1.2E+00	1.7E+00	1.7E+00	5.0E-01	1.2E+00
Chlorobenzene	4.7E-01	2.3E+02	RSL	3.0E-01	1.3E-01	1.3E-01	2.1E-01	1.0E-01	1.0E-01	6.8E-02	2.7E-02	2.7E-02	1.8E-02	6.8E-02	1.3E-01	1.3E-01	9.1E-02	9.1E-02
Chloroethane	4.3E-02	2.2E+01	RSL	3.0E-01	1.3E-01	4.5E-01	2.4E-01	1.0E-02	1.0E-02	2.8E-03	6.0E+00	6.0E+00	1.7E+00	1.7E+00	3.0E+01	3.0E+01	8.4E+00	8.4E+00
cis-1,2-Dichloroethene	7.9E-02	4.0E+01	RSL	3.0E-01	1.3E-01	1.7E-01	2.1E-01	7.0E-02	7.0E-02	2.1E-02	3.1E-02	3.1E-02	9.2E-03	2.1E-02	2.0E-01	2.0E-01	6.0E-02	6.0E-02
Cyclohexane	2.9E-01	1.5E+02	RSL	3.0E-01	1.3E-01	6.1E+00	7.3E-01	5.0E-03	5.0E-03	5.1E-03	3.5E+00	3.5E+00	3.6E+00	3.6E+00	1.7E+01	1.7E+01	1.8E+01	1.8E+01
Ethylbenzene	8.9E-01	4.5E+02	RSL	3.0E-01	1.3E-01	3.2E-01	2.3E-01	7.0E-01	7.0E-01	7.8E-01	1.9E-02	1.9E-02	2.2E-02	7.8E-01	2.9E-02	2.9E-02	3.2E-02	7.8E-01
Isopropylbenzene	1.4E+00	7.0E+02	RSL	3.0E-01	1.3E-01	4.7E-01	2.4E-01	5.0E-03	5.0E-03	8.2E-03	2.0E-01	2.0E-01	3.3E-01	3.3E-01	1.0E+00	1.0E+00	1.7E+00	1.7E+00
Styrene	8.9E-01	4.5E+02	RSL	3.0E-01	1.3E-01	1.1E-01	2.1E-01	1.0E-01	1.0E-01	1.1E-01	5.1E-01	5.1E-01	5.6E-01	5.6E-01	2.6E+00	2.6E+00	2.9E+00	2.9E+00
Tetrachloroethene	1.9E-01	9.5E+01	RSL	3.0E-01	1.3E-01	7.2E-01	2.6E-01	5.0E-03	5.0E-03	2.3E-03	1.9E-02	1.9E-02	8.6E-03	8.6E-03	9.8E-02	9.8E-02	4.4E-02	4.4E-02
Toluene	4.7E-01	2.3E+02	RSL	3.0E-01	1.3E-01	2.7E-01	2.2E-01	1.0E+00	1.0E+00	6.9E-01	8.8E-01	8.8E-01	6.1E-01	6.9E-01	5.2E+00	5.2E+00	3.6E+00	3.6E+00
trans-1,2-Dichloroethene	7.9E-02	4.0E+01	RSL	3.0E-01	1.3E-01	1.7E-01	2.1E-01	1.0E-01	1.0E-01	2.9E-02	3.2E-02	3.2E-02	9.4E-03	2.9E-02	1.6E-01	1.6E-01	4.7E-02	4.7E-02
Trichloroethene	1.2E-01	6.1E+01	RSL	3.0E-01	1.3E-01	4.0E-01	2.3E-01	5.0E-03	5.0E-03	1.8E-03	1.0E-03	1.0E-03	3.7E-04	1.8E-03	5.2E-03	5.2E-03	1.9E-03	1.9E-03
Xylenes, mixture	7.7E-01	3.8E+02	RSL	3.0E-01	1.3E-01	2.1E-01	2.2E-01	1.0E+01	1.0E+01	9.8E+00	5.9E-02	5.9E-02	5.8E-02	9.8E+00	2.9E-01	2.9E-01	2.9E-01	9.8E+00
Semi-volatile Organic Compounds																		
Acenaphthene	1.0E+01	5.0E+03	RSL	3.0E-01	1.3E-01	7.5E-03	2.0E-01	2.0E+00	2.0E+00	2.1E+01	9.4E-01	9.4E-01	9.6E+00	2.1E+01	6.1E+00	6.1E+00	6.3E+01	6.3E+01
Acenaphthylene	5.0E-02	2.5E+01	ATSDR	3.0E-01	1.3E-01	6.0E-02	2.1E-01	5.0E-03	5.0E-03	1.3E-03	ND	NA	NA	1.3E-03	ND	NA	NA	1.3E-03
Fluoranthene	1.1E+02	5.5E+04	RSL	3.0E-01	1.3E-01	3.6E-04	2.0E-01	1.0E+00	1.0E+00	1.1E+02	6.3E-01	6.3E-01	7.0E+01	1.1E+02	4.1E+00	4.1E+00	4.5E+02	4.5E+02
Fluorene	1.8E+01	9.2E+03	RSL	3.0E-01	1.3E-01	3.9E-03	2.0E-01	1.0E+00	1.0E+00	1.9E+01	6.3E-01	6.3E-01	1.2E+01	1.9E+01	4.1E+00	4.1E+00	7.6E+01	7.6E+01
Naphthalene	3.1E+00	1.5E+03	RSL	3.0E-01	1.3E-01	1.8E-02	2.0E-01	2.0E-02	2.0E-02	6.6E-02	1.8E-03	1.8E-03	5.9E-03	6.6E-02	2.4E-03	2.4E-03	7.8E-03	6.6E-02
Metals																		
Arsenic	2.9E+01	NA	RSL	3.0E-01	1.3E-01	0.0E+00	2.0E-01	1.0E-02	1.0E-02	2.9E-01	5.7E-04	5.7E-04	1.7E-02	2.9E-01	1.9E-03	1.9E-03	5.6E-02	2.9E-01
Barium	4.1E+01	NA	RSL	3.0E-01	1.3E-01	0.0E+00	2.0E-01	2.0E+00	2.0E+00	8.2E+01	3.1E+00	3.1E+00	1.3E+02	1.3E+02	2.0E+01	2.0E+01	8.4E+02	8.4E+02
Cadmium	7.5E+01	NA	RSL	3.0E-01	1.3E-01	0.0E+00	2.0E-01	5.0E-03	5.0E-03	3.8E-01	7.8E-03	7.8E-03	5.9E-01	5.9E-01	5.1E-02	5.1E-02	3.8E+00	3.8E+00
Chromium, total	1.9E+01	NA	RSL	3.0E-01	1.3E-01	0.0E+00	2.0E-01	1.0E-01	1.0E-01	1.9E+00	1.7E-03	1.7E-03	3.3E-02	1.9E+00	5.7E-03	5.7E-03	1.1E-01	1.9E+00
Lead	9.0E+02	NA	RSL	3.0E-01	1.3E-01	0.0E+00	2.0E-01	1.5E-02	1.5E-02	9.6E+02	ND	NA	NA	9.6E+02	1.5E-02	1.5E-02	9.6E+02	9.6E+02
Mercury (Inorganic Salts)	5.2E+01	NA	RSL	3.0E-01	1.3E-01	0.0E+00	2.0E-01	2.0E-03	2.0E-03	1.0E-01	4.7E-03	4.7E-03	2.4E-01	2.4E-01	3.1E-02	3.1E-02	1.6E+00	1.6E+00
Nickel Soluble Salts	6.5E+01	NA	RSL	3.0E-01	1.3E-01	0.0E+00	2.0E-01	1.0E-01	1.0E-01	6.5E+00	3.1E-01	3.1E-01	2.0E+01	2.0E+01	2.0E+00	2.0E+00	1.3E+02	1.3E+02

NA Not Available
ND No Data Available
RSL EPA Regional Screening Level
ATSDR Agency for Toxic Substances and Disease Registry
1. Kd values taken from USEPA Regional Screening Table User's Guide.
2. Koc values taken from the EPA RSL Chemical-specific Parameters Supporting Table May 2010 unless otherwise noted. $K_d = K_{oc} * f_{oc}$ where f_{oc} equals 0.002.
3. Pathway Type 1/3 C_s = (Kd + Øw+Øa*H'/Þb) x Type 1/3 Groundwater RRS.
4. Pathway Type 4 Cs = (Kd + Øw+Øa*H'/Þb) x Type 4 Groundwater RRS.
5. Residential leaching value is the higher of the values based on the Type 1 and Type 2 groundwater RRS.
6. Non-residential leaching value is the higher of the values based on Type 3 and Type 4 groundwater RRS.

SS Site-specific leaching value for lead based on leach test results, 1997:
$Ø_w$ Water-filled soil porosity = 0.3 (L/L)
$Ø_a$ Air-filled soil porosity = 0.13 (L/L)
H' Dimensionless Henry Law Constant (HLC x 41) (unitless)
Þb Dry soil bulk density = 1.5 kg/L
RRS Risk Reduction Standard
C_w Target Leachate Concentration (mg/L)
C_s Screening Level in soil (mg/kg)

Sample	(mg/kg)	Leached Lead (mg/l)
SL-12	4600	0.006
SL-20	390	0.01
SL-31	470	0.008
SL-35	**960**	**0.013**

Revised/Date: LWC 3/28/12
Checked/Date: LMS 3/30/12

Table 5
Type 2 Soil RRS, mg/kg

PARAMETER	Volatilization Factor (m^3/kg)	Residential Leaching DAF=1 (mg/kg)	Risk-Based Residential Child Noncarcinogenic (mg/kg) (a)	Risk-Based Residential Child Carcinogenic (mg/kg) (b)	Risk-Based Residential Adult Noncarcinogenic (mg/kg) (a)	Risk-Based Residential Adult Carcinogenic (mg/kg) (b)	Risk-Based Soil Type 2 RRS (mg/kg) (c)	Overall Type 2 RRS DAF=1 (mg/kg) (d)
Volatile Organic Compounds (VOCs)								
1,1,1-Trichloroethane	1.55E+03	9.3E-01	2.2E+03	ND	7.9E+03	ND	2.2E+03	9.3E-01
1,2-Dichlorobenzene	1.59E+04	5.8E-01	8.3E+02	ND	3.2E+03	ND	8.3E+02	5.8E-01
1,3-Dichlorobenzene	NA	4.8E-01	ND	ND	ND	ND	ND	4.8E-01
1,4-Dichlorobenzene	1.42E+03	7.2E-02	3.2E+02	4.5E+00	1.2E+03	3.1E+00	3.1E+00	7.2E-02
1,4-Dioxane	2.11E+04	4.1E-03	2.1E+03	4.7E+01	1.6E+04	4.8E+01	4.7E+01	4.1E-03
2-Butanone	7.84E+03	4.7E-01	9.2E+03	ND	3.7E+04	ND	9.2E+03	4.7E-01
Acetone	6.72E+03	1.6E+00	3.3E+04	ND	1.6E+05	ND	3.3E+04	1.6E+00
Benzene	4.53E+03	2.8E-03	3.6E+01	1.8E+01	1.4E+02	1.4E+01	1.4E+01	2.8E-03
Carbon Disulfide	8.89E+02	1.2E+00	1.8E+02	ND	6.4E+02	ND	1.8E+02	1.2E+00
Chlorobenzene	8.59E+03	6.8E-02	1.2E+02	ND	4.3E+02	ND	1.2E+02	6.8E-02
Chloroethane (Ethyl chloride)	1.05E+03	1.7E+00	3.2E+03	ND	1.1E+04	ND	3.2E+03	1.7E+00
cis-1,2-Dichloroethene	2.74E+03	2.1E-02	1.6E+02	ND	1.5E+03	ND	1.6E+02	2.1E-02
Cyclohexane	7.78E+02	3.6E+00	1.4E+03	ND	4.8E+03	ND	1.4E+03	3.6E+00
Ethylbenzene	7.64E+03	7.8E-01	1.8E+03	9.4E+01	7.3E+03	7.1E+01	7.1E+01	7.8E-01
Isopropylbenzene	8.44E+03	3.3E-01	8.6E+02	ND	3.2E+03	ND	8.6E+02	3.3E-01
Styrene	1.27E+04	5.6E-01	3.1E+03	ND	1.2E+04	ND	3.1E+03	5.6E-01
Tetrachloroethene	2.65E+03	8.6E-03	3.0E+01	3.3E+02	1.1E+02	2.4E+02	3.0E+01	8.6E-03
Toluene	5.64E+03	6.9E-01	3.6E+03	ND	1.9E+04	ND	3.6E+03	6.9E-01
trans-1,2-Dichloroethene	2.75E+03	2.9E-02	4.7E+01	ND	1.7E+02	ND	4.7E+01	2.9E-02
Trichloroethene	2.45E+03	1.8E-03	1.4E+00	1.9E+01	5.0E+00	1.4E+01	1.4E+00	1.8E-03
Xylenes, mixture	7.86E+03	9.8E+00	2.3E+02	ND	8.3E+02	ND	2.3E+02	9.8E+00
SVOCS								
Acenaphthene	1.96E+05	2.1E+01	4.7E+03	ND	4.4E+04	ND	4.7E+03	2.1E+01
Acenaphthylene	NA	1.3E-03	ND	ND	ND	ND	ND	1.3E-03
Fluoranthene	NA	1.1E+02	3.1E+03	ND	2.9E+04	ND	3.1E+03	1.1E+02
Fluorene	3.93E+05	1.9E+01	3.1E+03	ND	2.9E+04	ND	3.1E+03	1.9E+01
Naphthalene	6.43E+04	6.6E-02	5.6E+01	6.5E+02	2.0E+02	4.6E+02	5.6E+01	6.6E-02
Metals								
Arsenic	NA	2.9E-01	1.5E+04	6.1E+00	2.2E+02	1.1E+01	6.1E+00	2.9E-01
Barium	NA	1.3E+02	6.6E+05	ND	1.4E+05	ND	1.4E+05	1.3E+02
Cadmium (Diet)	NA	5.9E-01	1.6E+05	8.9E+04	7.3E+02	6.3E+04	7.3E+02	5.9E-01
Chromium, total	NA	1.9E+00	1.1E+05	1.8E+01	2.2E+03	3.3E+01	1.8E+01	1.9E+00
Lead	NA	9.6E+02	4.2E+02	ND	ND	ND	4.2E+02	4.2E+02
Mercury (Inorganic Salts)	NA	2.4E-01	2.3E+01	ND	2.2E+02	ND	2.3E+01	2.4E-01
Nickel Soluble Salts	NA	2.0E+01	1.5E+03	6.2E+05	1.4E+04	4.3E+05	1.5E+03	2.0E+01

Notes:
RRS Risk Reduction Standard
ND Not Determined - Can not be calculated

(a) $$\frac{THI \times BW \times ATn \times 365 days/year}{EF \times ED \times [(1/RfDi \times (1/VF + 1/PEF) \times InhR) + (1/RfDo \times Irs \times CF)]}$$

(b) $$\frac{TR \times BW \times ATc \times 365 days/year}{EF \times ED \times [(SFi \times (1/VF + 1/PEF) \times InhR) + (SFo \times Irs \times CF)]}$$

(c) Minimum of noncarcinogenic and carcinogenic concentrations.
(d) Minimum concentration of Leaching Value and Risk-based Value.

Exposure Parameters	Residential Child Type 2	Residential Adult Type 2
Total Hazard Index (THI)	1	1
Target Risk (TR)	1.E-05	1.E-05
Body Weight (BW)	15	70
Averaging Time, Carcinogen (ATc)	70	70
Averaging Time, Noncarcinogen (ATn)	6	30
Exposure Duration (ED)	6	30
Exposure Frequency (EF)	350	350
Soil Ingestion Rate (IRs)	200	100
Air Inhalation Rate (InhR)	15	20
Particulate Emission Factor (PEF)	4.63E+09	4.63E+09
Conversion Factor (CF)	1.E-06	1.E-06
Volatilization Factor (VF)	Chemical-specific	Chemical-specific

Revised/Date: LWC 3/28/12
Checked/Date: LMS 3/30/12

Table 6
Type 4 Soil RRS, mg/kg
Default Industrial Worker

PARAMETER	Volatilization Factor (m^3/kg)	Nonresidential Leaching DAF=1 (mg/kg)	Risk-Based Industrial Worker Noncarcinogenic (mg/kg) (a)	Risk-Based Industrial Worker Carcinogenic (mg/kg) (b)	Risk-Based Soil IW Type 4 RRS (mg/kg) (c)	Overall IW Type 4 RRS DAF=1 (mg/kg) (d)
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	1.55E+03	4.7E+00	1.1E+04	ND	1.1E+04	4.7E+00
1,2-Dichlorobenzene	1.59E+04	5.8E-01	4.5E+03	ND	4.5E+03	5.8E-01
1,3-Dichlorobenzene	NA	4.8E-01	ND	ND	ND	4.8E-01
1,4-Dichlorobenzene	1.42E+03	7.2E-02	1.6E+03	5.3E+00	5.3E+00	7.2E-02
1,4-Dioxane	2.11E+04	4.1E-03	3.7E+04	9.4E+01	9.4E+01	4.1E-03
2-Butanone	7.84E+03	2.4E+00	5.4E+04	ND	5.4E+04	2.4E+00
Acetone	6.72E+03	9.4E+00	2.6E+05	ND	2.6E+05	9.4E+00
Benzene	4.53E+03	4.5E-03	1.9E+02	2.3E+01	2.3E+01	4.5E-03
Carbon Disulfide	8.89E+02	1.2E+00	9.0E+02	ND	9.0E+02	1.2E+00
Chlorobenzene	8.59E+03	9.1E-02	6.1E+02	ND	6.1E+02	9.1E-02
Chloroethane (Ethyl chloride)	1.05E+03	8.4E+00	1.6E+04	ND	1.6E+04	8.4E+00
cis-1,2-Dichloroethene	2.74E+03	6.0E-02	4.1E+03	ND	4.1E+03	6.0E-02
Cyclohexane	7.78E+02	1.8E+01	6.8E+03	ND	6.8E+03	1.8E+01
Ethylbenzene	7.64E+03	7.8E-01	1.1E+04	1.2E+02	1.2E+02	7.8E-01
Isopropylbenzene	8.44E+03	1.7E+00	4.6E+03	ND	4.6E+03	1.7E+00
Styrene	1.27E+04	2.9E+00	1.8E+04	ND	1.8E+04	2.9E+00
Tetrachloroethene	2.65E+03	4.4E-02	1.5E+02	4.1E+02	1.5E+02	4.4E-02
Toluene	5.64E+03	3.6E+00	3.2E+04	ND	3.2E+04	3.6E+00
trans-1,2-Dichloroethene	2.75E+03	4.7E-02	2.4E+02	ND	2.4E+02	4.7E-02
Trichloroethene	2.45E+03	1.9E-03	ND	2.4E+01	2.4E+01	1.9E-03
Xylenes, mixture	7.86E+03	9.8E+00	1.2E+03	ND	1.2E+03	9.8E+00
SVOCS						
Acenaphthene	1.96E+05	6.3E+01	1.2E+05	ND	1.2E+05	6.3E+01
Acenaphthylene	NA	1.3E-03	ND	ND	ND	1.3E-03
Fluoranthene	NA	4.5E+02	8.2E+04	ND	8.2E+04	4.5E+02
Fluorene	3.93E+05	7.6E+01	8.2E+04	ND	8.2E+04	7.6E+01
Naphthalene	6.43E+04	6.6E-02	2.8E+02	1.3E+01	1.3E+01	6.6E-02
Metals						
Arsenic	NA	2.9E-01	6.1E+02	3.8E+01	3.8E+01	2.9E-01
Barium	NA	8.4E+02	3.6E+05	ND	3.6E+05	8.4E+02
Cadmium (Diet)	NA	3.8E+00	2.0E+03	1.1E+05	2.0E+03	3.8E+00
Chromium, total	NA	1.9E+00	6.1E+03	1.1E+02	1.1E+02	1.9E+00
Lead	NA	9.6E+02	1.3E+03	ND	1.3E+03	9.6E+02
Mercury (Inorganic Salts)	NA	1.6E+00	6.1E+02	ND	6.1E+02	1.6E+00
Nickel Soluble Salts	NA	1.3E+02	3.8E+04	7.3E+05	3.8E+04	1.3E+02

Notes:
RRS Risk Reduction Standard
ND Not Determined - Can not be calculated

(a) $$\frac{THI \times BW \times ATn \times 365days/year}{EF \times ED \times [(1/RfDi \times (1/VF + 1/PEF) \times InhR) + (1/RfDo \times Irs \times CF)]}$$

(b) $$\frac{TR \times BW \times ATc \times 365days/year}{EF \times ED \times [(SFi \times (1/VF + 1/PEF) \times InhR) + (SFo \times Irs \times CF)]}$$

(c) Minimum of noncarcinogenic and carcinogenic concentrations.
(d) Minimum concentration of Leaching Value and Risk-based Value.

Exposure Parameters	**Industrial Worker Type 4**	**Unit**
Total Hazard Index (THI)	1	unitless
Target Risk (TR)	1.E-05	unitless
Body Weight (BW)	70	kg
Averaging Time, Carcinogen (ATc)	70	yrs
Averaging Time, Noncarcinogen (ATn)	25	yrs
Exposure Duration (ED)	25	yrs
Exposure Frequency (EF)	250	days/yr
Soil Ingestion Rate (IRs)	50	mg/day
Air Inhalation Rate (InhR)	20	m3/day
Particulate Emission Factor (PEF)	4.63E+09	m3/kg
Conversion Factor (CF)	1.E-06	kg/mg
Volatilization Factor (VF)	Chemical-specific	m3/kg

Revised/Date: LWC 3/28/12
Checked/Date: LMS 3/30/12

Table 7
Summary of Soil RRS

PARAMETER	Type 1 RRS mg/kg	Type 2 RRS DAF of 1 mg/kg	Type 3 RRS Surface mg/kg	Type 3 RRS Subsurface mg/kg	Type 4 RRS IW DAF of 1 mg/kg
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	2.0E+01	9.3E-01	2.0E+01	2.0E+01	4.7E+00
1,2-Dichlorobenzene	6.0E+01	5.8E-01	6.0E+01	6.0E+01	5.8E-01
1,3-Dichlorobenzene	6.0E+01	4.8E-01	6.0E+01	6.0E+01	4.8E-01
1,4-Dichlorobenzene	7.5E+00	7.2E-02	7.5E+00	7.5E+00	7.2E-02
1,4-Dioxane	2.0E+00	4.1E-03	2.0E+00	2.0E+00	4.1E-03
2-Butanone	2.0E+02	4.7E-01	2.0E+02	2.0E+02	2.4E+00
Acetone	4.0E+02	1.6E+00	4.0E+02	4.0E+02	9.4E+00
Benzene	5.0E-01	2.8E-03	5.0E-01	5.0E-01	4.5E-03
Carbon Disulfide	4.0E+02	1.2E+00	4.0E+02	4.0E+02	1.2E+00
Chlorobenzene	1.0E+01	6.8E-02	1.0E+01	1.0E+01	9.1E-02
Chloroethane (Ethyl chloride)	1.7E-01	1.7E+00	1.7E-01	1.7E-01	8.4E+00
cis-1,2-Dichloroethene	7.0E+00	2.1E-02	7.0E+00	7.0E+00	6.0E-02
Cyclohexane	2.0E+01	3.6E+00	2.0E+01	2.0E+01	1.8E+01
Ethylbenzene	7.0E+01	7.8E-01	7.0E+01	7.0E+01	7.8E-01
Isopropylbenzene	2.2E+01	3.3E-01	2.2E+01	2.2E+01	1.7E+00
Styrene	1.4E+01	5.6E-01	1.4E+01	1.4E+01	2.9E+00
Tetrachloroethene	5.0E-01	8.6E-03	5.0E-01	5.0E-01	4.4E-02
Toluene	1.0E+02	6.9E-01	1.0E+02	1.0E+02	3.6E+00
trans-1,2-Dichloroethene	1.0E+01	2.9E-02	1.0E+01	1.0E+01	4.7E-02
Trichloroethene	5.0E-01	1.8E-03	5.0E-01	5.0E-01	1.9E-03
Xylenes, mixture	1.0E+03	9.8E+00	1.0E+03	1.0E+03	9.8E+00
SVOCS					
Acenaphthene	3.0E+02	2.1E+01	3.0E+02	3.0E+02	6.3E+01
Acenaphthylene	1.3E+02	1.3E-03	1.3E+02	1.3E+02	1.3E-03
Fluoranthene	5.0E+02	1.1E+02	5.0E+02	5.0E+02	4.5E+02
Fluorene	3.6E+02	1.9E+01	3.6E+02	3.6E+02	7.6E+01
Naphthalene	1.0E+02	6.6E-02	1.0E+02	1.0E+02	6.6E-02
Metals					
Arsenic	2.0E+01	2.9E-01	3.8E+01	4.1E+01	2.9E-01
Barium	1.0E+03	1.3E+02	1.0E+03	1.0E+03	8.4E+02
Cadmium (Diet)	2.0E+00	5.9E-01	3.9E+01	3.9E+01	3.8E+00
Chromium, total	1.0E+02	1.9E+00	1.1E+02	1.2E+03	1.9E+00
Lead	75.0	415.0	400.0	400.0	960.0
Mercury (Inorganic Salts)	5.0E-01	2.4E-01	1.7E+01	1.7E+01	1.6E+00
Nickel Soluble Salts	5.0E+01	2.0E+01	4.2E+02	4.2E+02	1.3E+02

Revised/Date: LWC 3/28/12
Checked/Date: LMS 3/30/12

Table 8

Derivation of VF Factors (Soil-to-Air Volatilization Factor)

Based on Regional Screening Level Chemical-specific Parameters Supporting Table November 2011

Analyte	CAS No.	MW	H' (unitless)	HLC (atm-m^3/mole)	Dia (cm^2/s)	Diw (cm^2/s)	Koc (L/kg)	Dei (cm^2/sec)	K_d (cm^3/g)	K_{as} (g/cm^3)	Y (cm^2/sec)	VF (m^3/kg)
Acetone	67-64-1	58.08	0.0014309	0.000035	0.1059228	0.0000115	2.364	7.46E-02	4.73E-02	3.04E-02	4.58E-04	6.72E+03
Benzene	71-43-2	78.11	0.2269011	0.00555	0.0895384	0.0000103	145.8	6.31E-02	2.92E+00	7.80E-02	9.85E-04	4.53E+03
Carbon Disulfide	75-15-0	76.13	0.5887163	0.0144	0.1064466	0.000013	21.73	7.50E-02	4.35E-01	1.36E+00	1.62E-02	8.89E+02
Chlorobenzene	108-90-7	112.56	0.1271464	0.00311	0.0721306	9.4765E-06	233.9	5.08E-02	4.68E+00	2.73E-02	2.80E-04	8.59E+03
Cumene (Isopropylbenzene)	98-82-8	120.2	0.4701554	0.0115	0.0603044	7.8566E-06	697.8	4.25E-02	1.40E+01	3.38E-02	2.90E-04	8.44E+03
Cyclohexane	110-82-7	84.16	6.1324612	0.15	0.0799752	9.1079E-06	145.8	5.64E-02	2.92E+00	2.11E+00	1.69E-02	7.78E+02
Dichlorobenzene, 1,2-	95-50-1	147	0.0784955	0.00192	0.0561703	8.9213E-06	382.9	3.96E-02	7.66E+00	1.03E-02	8.25E-05	1.59E+04
Dichlorobenzene, 1,4-	106-46-7	147	0.0985282	0.00241	0.0550429	8.6797E-06	375.3	3.88E-02	7.51E+00	1.32E-02	1.03E-04	1.42E+04
Dichloroethylene, 1,2-cis-	156-59-2	96.94	0.1668029	0.00408	0.0884088	0.0000113	39.6	6.23E-02	7.92E-01	2.11E-01	2.56E-03	2.74E+03
Dichloroethylene, 1,2-trans-	156-60-5	96.94	0.1668029	0.00408	0.0876126	0.0000112	39.6	6.17E-02	7.92E-01	2.11E-01	2.54E-03	2.75E+03
Dioxane, 1,4-	123-91-1	88.11	0.0001962	0.0000048	0.0873715	0.0000105	2.633	6.16E-02	5.27E-02	3.74E-03	4.67E-05	2.11E+04
Ethyl Chloride	75-00-3	64.52	0.4538021	0.0111	0.103754	0.0000116	21.73	7.31E-02	4.35E-01	1.05E+00	1.28E-02	1.05E+03
Ethylbenzene	100-41-4	106.17	0.3221586	0.00788	0.0684652	8.4558E-06	446.1	4.82E-02	8.92E+00	3.62E-02	3.52E-04	7.64E+03
Methyl Ethyl Ketone (2-Butanone)	78-93-3	72.11	0.0023262	0.0000569	0.0914443	0.0000102	4.51	6.44E-02	9.02E-02	2.59E-02	3.37E-04	7.84E+03
Acenaphthene	83-32-9	154.21	0.0075225	0.000184	0.0506143	0.00000833	5027	3.57E-02	1.01E+02	7.50E-05	5.44E-07	1.96E+05
Fluorene	86-73-7	166.22	0.003933	0.0000962	0.0439743	0.000007889	9160	3.10E-02	1.83E+02	2.15E-05	1.36E-07	3.93E+05
Naphthalene	91-20-3	128.18	0.0179886	0.00044	0.0604994	0.000008377	1544	4.26E-02	3.09E+01	5.84E-04	5.06E-06	6.43E+04
Styrene	100-42-5	104.15	0.1124285	0.00275	0.071114	8.7838E-06	446.1	5.01E-02	8.92E+00	1.26E-02	1.28E-04	1.27E+04
Tetrachloroethylene	127-18-4	165.83	0.7236304	0.0177	0.0504664	9.4551E-06	94.94	0.035565136	1.8988	3.82E-01	2.56E-03	2.65E+03
Toluene	108-88-3	92.14	0.2714636	0.00664	0.0778053	9.2045E-06	233.9	0.054831651	4.6780	5.82E-02	6.41E-04	5.64E+03
Trichloroethane, 1,1,1-	71-55-6	133.41	0.7031889	0.0172	0.0648174	0.000009599	43.89	0.045678701	0.8778	8.03E-01	6.41E-03	1.55E+03
Trichloroethylene	79-01-6	131.39	0.4026983	0.00985	0.0686618	0.0000102	60.7	0.048387962	1.2140	3.33E-01	3.06E-03	2.45E+03
Xylenes	1330-20-7	106.17	0.2117743	0.00518	0.0847395	9.9011E-06	382.9	0.059718383	7.6580	2.77E-02	3.35E-04	7.86E+03

Equation is from USEPA, 1991b.

VF = Volatilization Factor (m^3/kg)

$$VF = (LS \times V \times DH) / (A) * \frac{(3.14 \times Y \times T)^{1/2}}{(2 \times Dei \times P \times Kas \times 0.001)}$$

$$Y = \frac{Dei \times P}{P + (p(1-P)/Kas)}$$

LS = Length of side of contaminated area = 45 m (default)

V = wind speed in mixing zone = 2.25 m/s (default)

DH = diffusion height = 2 m

A = area of contamination = 20,250,000 cm^2 (default)

T = exposure interval = 790000000 s = 25 yrs

Dei = effective diffusivity (cm^2/s) = Chemical Specific

P = air filled soil porosity (unitless) = 0.35 (default)

Kas = soil/air partition coefficient (g soil/cm^3 air) = Chemical Specific

Conversion factor = 0.001 kg/g

p = True soil density or particulate density = 2.65 g/cm^3 (default)

Table 9
Calculation of Remediation Goal for Lead in Soil - Industrial Workers

Exposure Variable	PRG Equation[1]	Description of Exposure Variable	Units	Values for Industrial Worker Using Equation 1 GSDi = 2.04	Values for Industrial Worker Using Equation 1 GSDi = 1.8 (a)
$PbB_{fetal,\ 0.95}$	X	95th percentile PbB in fetus	ug/dL	10	10
$R_{fetal/maternal}$	X	Fetal/maternal PbB ratio	--	0.9	0.9
BKSF	X	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4
GSD_i	X	Geometric standard deviation PbB	--	2.04	1.8
PbB_0	X	Baseline PbB	ug/dL	1.38	1.00
IR_S	X	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050
$AF_{S,\ D}$	X	Absorption fraction (same for soil and dust)	--	0.12	0.12
C_w	X	Concentration of lead in ground water (average for site)	ug/L	4	4
IR_w[2]	X	Intake rate of water from on-site ground water	L/day	1	1
AF_w	X	Absolute gastrointestinal absorption fraction for lead in GW		0.2	0.2
EF	X	Exposure frequency (same for soil and dust and water)	days/yr	219	219
AT	X	Averaging Time	days/yr	365	365
PRG		**Preliminary Remediation Goal**	**ppm**	**1,300**	**2,100**

Note:

Level in groundwater set to background.

(a) Assumptions for the Adult Lead Model for EPA were updated in June 2009. Soil ingestion rate and frequency of exposure based on Frequent Questions from Risk Assessors on the ALM (www.epa.gov/superfund/health/contaminants/lead/almfaq.htm).

***Equation based on Georgia Adult Lead Model (November, 1999).**

$$\mathbf{PRG} = \frac{[([PbB_{fetal,0.95}/(R*(GSD_i^{1.645})])-PbB_0) - (C_w*I_w*A_w)] * (IR_S*AF_S)^{-1}}{BKSF*(EF/AT)}$$

Prepared by: LWC 3/28/2012

Checked by: LMS 3/30/2012

Sources:

U.S. EPA (1996). Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil.
Georgia EPD HSRA: Appendix IV.

LEAD MODEL FOR WINDOWS Version 1.1

==========

Model Version: 1.1 Build11
User Name:
Date:
Site Name:
Operable Unit:
Run Mode: Research

==========

****** Air ******

Indoor Air Pb Concentration: 30.000 percent of outdoor.
Other Air Parameters:

Age	Time Outdoors (hours)	Ventilation Rate (m^3/day)	Lung Absorption (%)	Outdoor Air Pb Conc (µg Pb/m^3)
.5-1	1.000	2.000	32.000	0.100
1-2	2.000	3.000	32.000	0.100
2-3	3.000	5.000	32.000	0.100
3-4	4.000	5.000	32.000	0.100
4-5	4.000	5.000	32.000	0.100
5-6	4.000	7.000	32.000	0.100
6-7	4.000	7.000	32.000	0.100

****** Diet ******

Age	Diet Intake(µg/day)
.5-1	2.260
1-2	1.960
2-3	2.130
3-4	2.040
4-5	1.950
5-6	2.050
6-7	2.220

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 4.000 µg Pb/L

****** Soil & Dust ******

Multiple Source Analysis Used
Average multiple source concentration: 302.600 µg/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700
Outdoor airborne lead to indoor household dust lead concentration: 100.000
Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (µg Pb/g)
.5-1	418.000	302.600
1-2	418.000	302.600
2-3	418.000	302.600
3-4	418.000	302.600
4-5	418.000	302.600
5-6	418.000	302.600
6-7	418.000	302.600

****** Alternate Intake ******

Age	Alternate (µg Pb/day)
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

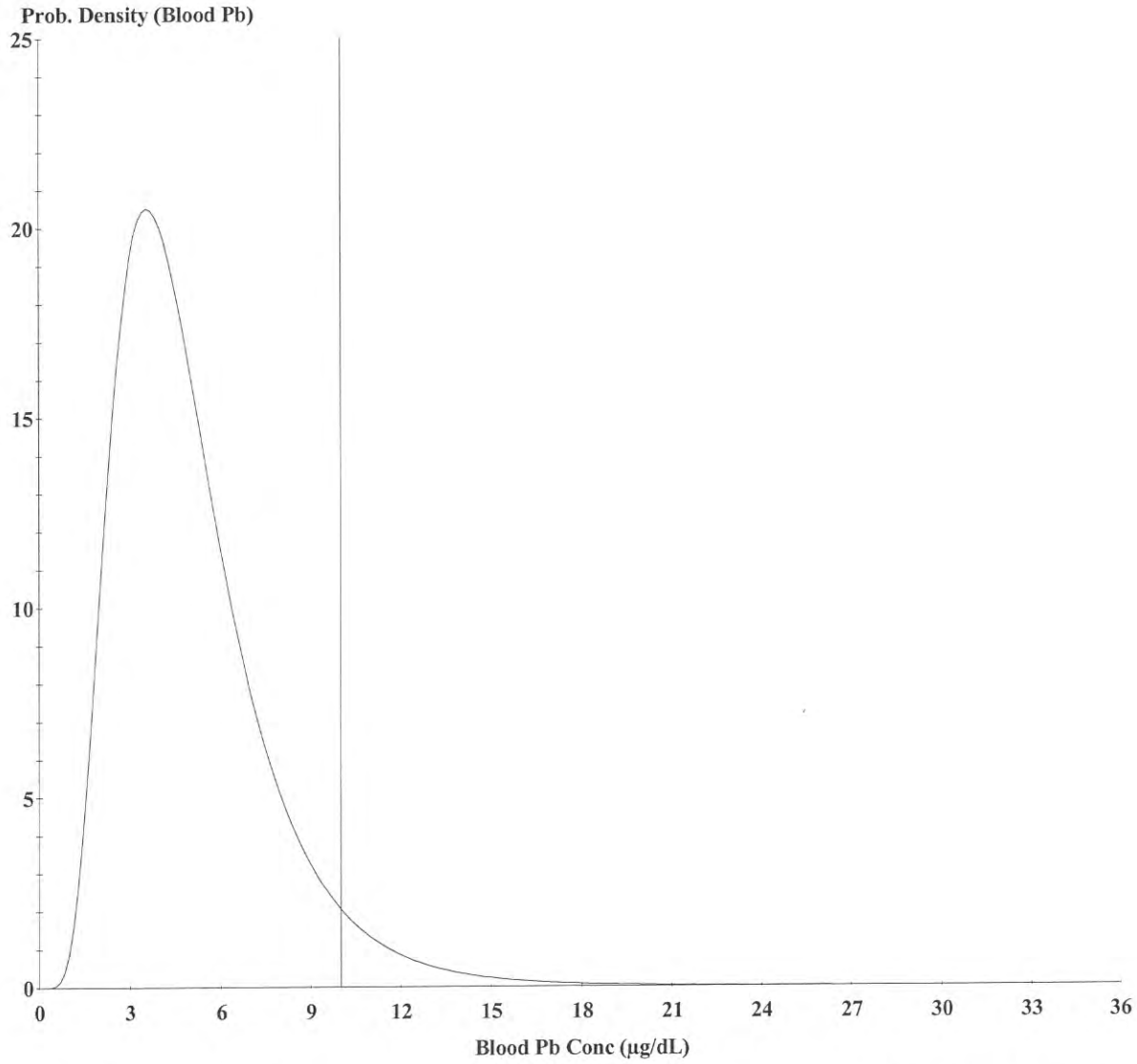
****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 µg Pb/dL

****
CALCULATED BLOOD LEAD AND LEAD UPTAKES:
****

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.021	1.013	0.000	0.359
1-2	0.034	0.863	0.000	0.880
2-3	0.062	0.953	0.000	0.931
3-4	0.067	0.927	0.000	0.963
4-5	0.067	0.913	0.000	1.030
5-6	0.093	0.971	0.000	1.099
6-7	0.093	1.058	0.000	1.124

Year	Soil+Dust (µg/day)	Total (µg/day)	Blood (µg/dL)
.5-1	8.107	9.500	5.1
1-2	12.637	14.414	5.9
2-3	12.851	14.797	5.5
3-4	13.047	15.004	5.2
4-5	9.962	11.972	4.3
5-6	9.067	11.230	3.6
6-7	8.615	10.891	3.2



Cutoff = 10.000 µg/dl
Geo Mean = 4.615
GSD = 1.600
% Above = 4.995
% Below = 95.005

Age Range = 0 to 84 months

Run Mode = Research

APPENDIX G
WASTE MANIFESTS

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC .
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943184

Michelle J.

12-09-2014 7:42 am

TB-001

2204058

DATE/TIME OUT
12-9-2014 7:42 am

CONTAINER

INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 49,980
TARE WEIGHT 21,720

NET TONS 14.13
NET WEIGHT 28,260

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
1.00	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
14.13	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F0.1[illegible]

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204058

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (as Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

TRUCK # TB01

c. Driver Name (Print)	d. Signature	e. Date
X NATHAN [illegible]	X [illegible]	X [illegible] 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 TICKET 943186
WEIGHT SITE Michelle J.
DATE/TIME IN 12-09-2014 7:47 am
VEHICLE BN-22
REFERENCE 2204059
BILL OF LADING

DATE/TIME OUT 12-9-2014 7:47 am
CONTAINER

INVOICE

SCALE IN GROSS WEIGHT 56,700 NET TONS 17.61
SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 35,220

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.61	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION				
17.61	TN	ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
1.00							

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned [illegible] knowledge that he or she has read and understands the terms and conditions on the reverse side [illegible] the [illegible] of the customer.

SIGNATURE [signature]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204059

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
TAL GAZZO	Paul Byrd (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

GN22

c. Driver Name (Print)	d. Signature	e. Date
[illegible]	[illegible]	12-9-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SCALE: 01 TICKET #: 943188 CELL:

WEIGHMASTER: Michelle J.

DATE/TIME IN: 12-09-2014 7:55 am DATE/TIME OUT: 12-9-2014 7:55 am

VEHICLE: BN-702 CONTAINER:

REFERENCE: 2204060 BILL OF LADING: INVOICE

SCALE IN GROSS WEIGHT 54,360 NET TONS 13.86
SCALE OUT TARE WEIGHT 26,640 NET WEIGHT 27,720 INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
13.86	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
13.86	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204060

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 702

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	K. Byrnes	12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943189 | CELL

WEIGHMASTER
Michelle J.

DATE/TIME IN
12-09-2014 7:58 am

DATE/TIME OUT
12-9-2014 7:58 am

VEHICLE
BN-32

CONTAINER

REFERENCE
2204061

BILL OF LADING

INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 58,460
TARE WEIGHT 24,000

NET TONS 17.23
NET WEIGHT 34,460

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.23	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
17.23	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

[illegible]

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204061

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	Paul Gazzo As Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
X Marcus Littles	X Marcus Littles	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

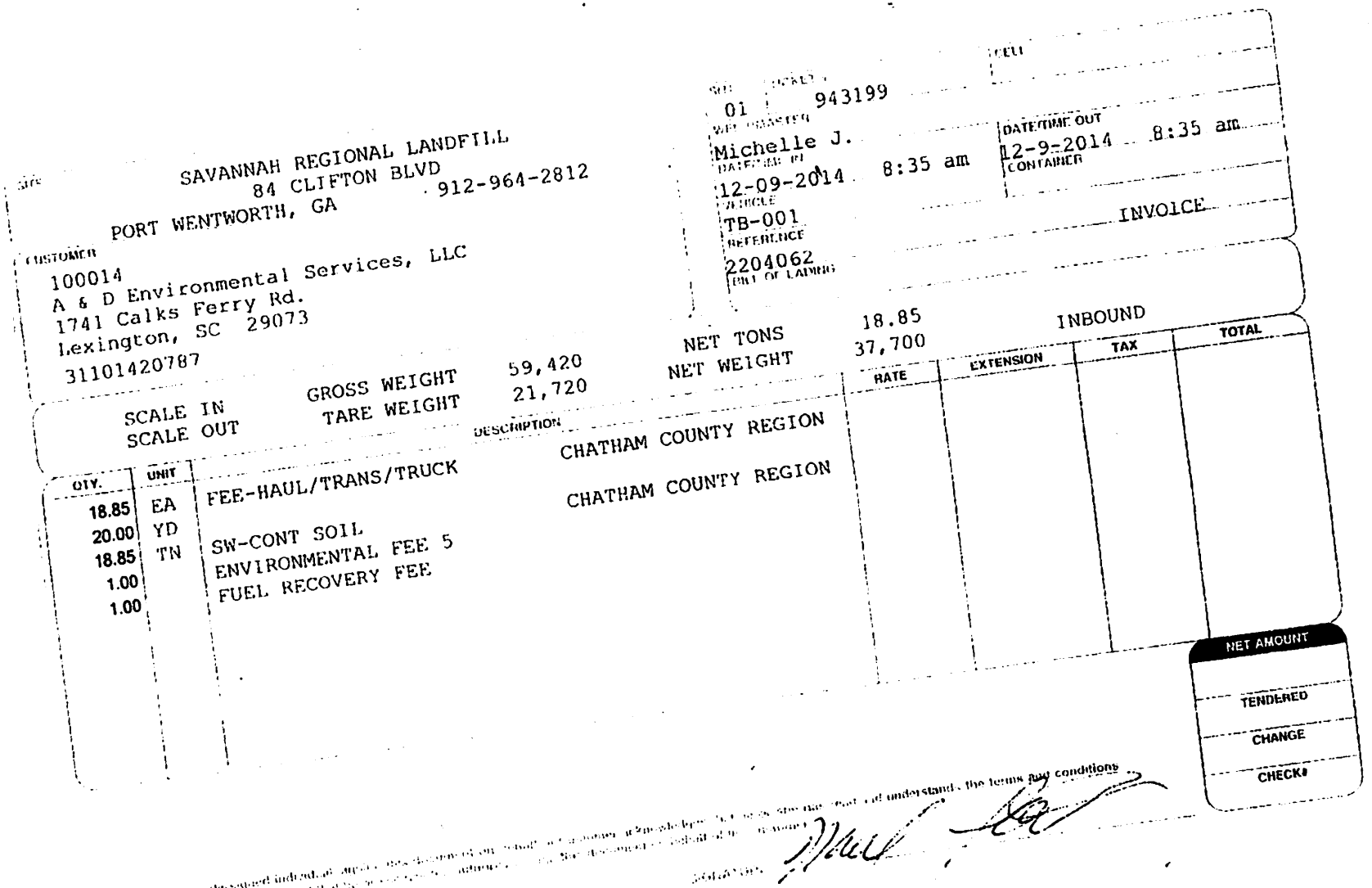
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET 943199

WEIGHMASTER
Michelle J.

DATE/TIME IN
12-09-2014 8:35 am

VEHICLE
TB-001

REFERENCE
2204062

BILL OF LADING

CELL

DATE/TIME OUT
12-9-2014 8:35 am

CONTAINER

INVOICE

SCALE IN GROSS WEIGHT 59,420 NET TONS 18.85
SCALE OUT TARE WEIGHT 21,720 NET WEIGHT 37,700

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.85	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
18.85	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual [illegible] understands the terms and conditions [illegible]

SIGNATURE

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204062

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS AGENT FOR GENERATOR)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
T&T Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
TBO1

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X JAMES PORTER	X	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M	M	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01 | TICKET #: 943203 | CELL:

WEIGHMASTER: Michelle J.

DATE/TIME IN: 12-09-2014 8:51 am | DATE/TIME OUT: 12-9-2014 8:51 am

VEHICLE: BN-32 | CONTAINER:

REFERENCE: 2204063 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	60,140	NET TONS	18.07	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	36,140	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.07	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
18.07	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing [illegible] the terms and conditions on the reverse side and that [illegible] customer.

[illegible]

[illegible]

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204063

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:

If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

#32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Clell		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 TICKET 943209
CELL
WEIGHMASTER Michelle J.
DATE/TIME IN 12-09-2014 9:07 am
DATE/TIME OUT 12-9-2014 9:07 am
VEHICLE BN-22
CONTAINER
REFERENCE 2204065
BILL OF LADING
INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 64,100
TARE WEIGHT 21,480
NET TONS 21.31
NET WEIGHT 42,620
INBOUND

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.31	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
21.31	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

[illegible] acknowledges that he or she has read and understands the terms and conditions [illegible] to sign this document on behalf of the customer.

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204065

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo AS Agent for Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

#72

c. Driver Name (Print)	d. Signature	e. Date
SHARELL LYLES		12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Cullen		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01 | TICKET #: 943204 | CELL:
WEIGHTMASTER: Michelle J.
DATE/TIME IN: 12-09-2014 8:54 am | DATE/TIME OUT: 12-9-2014 8:54 am
VEHICLE: BN-702 | CONTAINER:
REFERENCE: 2204064
BILL OF LADING: INVOICE

SCALE IN / SCALE OUT
GROSS WEIGHT 58,960 | TARE WEIGHT 26,640 | NET TONS 16.16 | NET WEIGHT 32,320

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
16.16	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
16.16	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE K Burns

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204064

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:
h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Dan Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

#702

c. Driver Name (Print)	d. Signature	e. Date
X Kevin Byrnes	X K. Byrnes	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:
Savannah Regional Industrial Landfill
84 Clifton Blvd
Port Wentworth, GA 31407 912.964.2812
b.

c. US EPA Number

d. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:

c. Responsible Agency Name and Address:
d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	

	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943215

Michelle J.

12-09-2014 9:24 am.

DATE/TIME OUT
12-9-2014 9:24 am

TB-001

REFERENCE
2204066

INVOICE

SCALE IN GROSS WEIGHT 59,800 NET TONS 19.04
SCALE OUT TARE WEIGHT 21,720 NET WEIGHT 38,080

INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.04	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
19.04	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204066

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo AS Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

TB-01

c. Driver Name (Print)	d. Signature	e. Date
X NATHAN PATTEN	X	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clinton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01
Michelle M.
12-09-2011
BN-707
22404068

INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 65,220
TARE WEIGHT 26,640
NET TONS 19.29
NET WEIGHT 38,580

QTY.	UOM	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.29	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
19.29	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE K Bynum

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204068

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN 702

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Kevin Byrnes	X K Byrnes	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER:
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01 TICKET #: 943223 CELL:
WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-09-2014 9:47 am DATE/TIME OUT: 12-9-2014 9:47 am
VEHICLE: BN-32 CONTAINER:
REFERENCE: 2204067
BILL OF LADING: INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 61,300
TARE WEIGHT 24,000
NET TONS 18.65
NET WEIGHT 37,300
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.65	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
18.65	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK #

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204067

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&J Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

37

c. Driver Name (Print)	d. Signature	e. Date
X Clarence L Hess	X Clarence Littles	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
PORT WENTWORTH, [illegible] 912-964-2812

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
4110142078?

SCALE IN
SCALE OUT

GROSS WEIGHT 60,980
TARE WEIGHT 21,480
NET TONS [illegible]
NET WEIGHT [illegible]

01 [illegible]
Michelle J.
12-09-2014 10:01 am
BN-22
2204069

CELL
DATE/TIME OUT
12-9-2014 10:03 am
CONTAINER

INVOICE

INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.75	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
19.75	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the said user.

SIGNATURE [signature]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204069

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:
h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 22

c. Driver Name (Print)	d. Signature	e. Date
X Shannon Littles	X Shannon Littles	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812		

b.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943233
Michelle J.
12-09-2014 10:10 am
TB-001
2204070

DATE/TIME OUT
12-9-2014 10:10 am
CONTAINER

INVOICE

SCALE IN GROSS WEIGHT 63,380 NET TONS 20.83
SCALE OUT TARE WEIGHT 21,720 NET WEIGHT 41,660

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.83	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD		CHATHAM COUNTY REGION				
20.83	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

[illegible] read and understands the terms and conditions [illegible]

[illegible]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204070

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&R Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

TB01

c. Driver Name (Print)	d. Signature	e. Date
X NATHAN RUTLEDGE	X [signature]	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[signature]	12-9-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

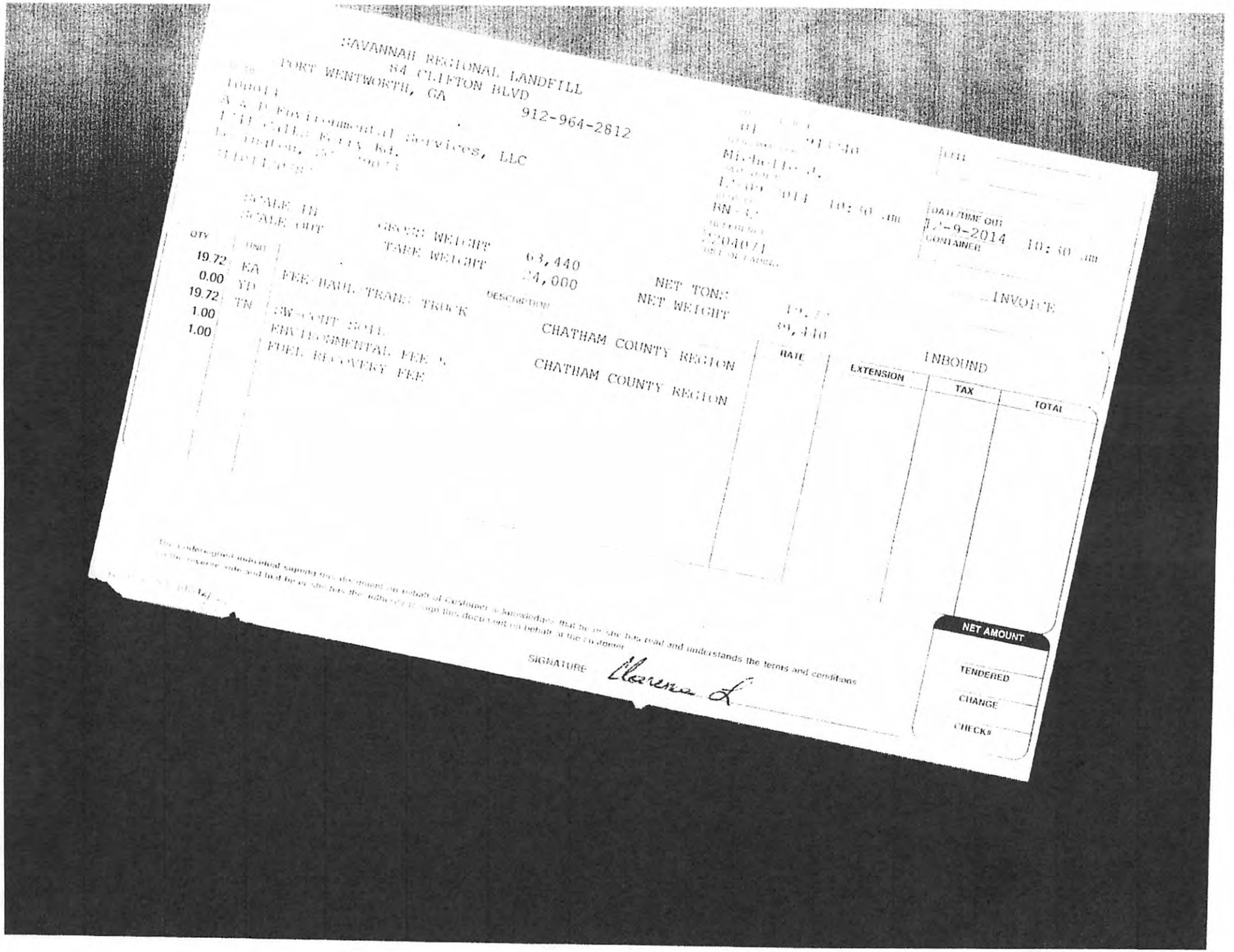
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA
912-964-2812

A & B Environmental Services, LLC

SCALE IN
SCALE OUT

GROSS WEIGHT 63,440
TARE WEIGHT 24,000
NET TONS
NET WEIGHT 19.72
39,440

DATE/TIME OUT
12-9-2014 10:50 AM
CONTAINER

INVOICE

INBOUND

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.72	EA	FEE-HAUL TRANS TRUCK				
0.00	YD					
19.72	TN	SW-CONT 2011	CHATHAM COUNTY REGION			
1.00		ENVIRONMENTAL FEE %				
1.00		FUEL RECOVERY FEE	CHATHAM COUNTY REGION			

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the Customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204071

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GA220	[signature] (AS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X [signature]	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[signature]	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
81 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943244

WEIGHMASTER
Michelle J.

DATE/TIME IN
12-09-2014 10:42 am

DATE/TIME OUT
12-9-2014 10:4[illegible] am

VEHICLE
BN-20

REFERENCE
2204072

BILL OF LADING

CONTAINER

INVOICE

SCALE IN	GROSS WEIGHT	63,080	NET TONS	20.50	
SCALE OUT	TARE WEIGHT	22,080	NET WEIGHT	41,000	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.50	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
20.50	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204072

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:

If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

DT -20

c. Driver Name (Print)	d. Signature	e. Date
X Brian Henderson	X [signature]	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

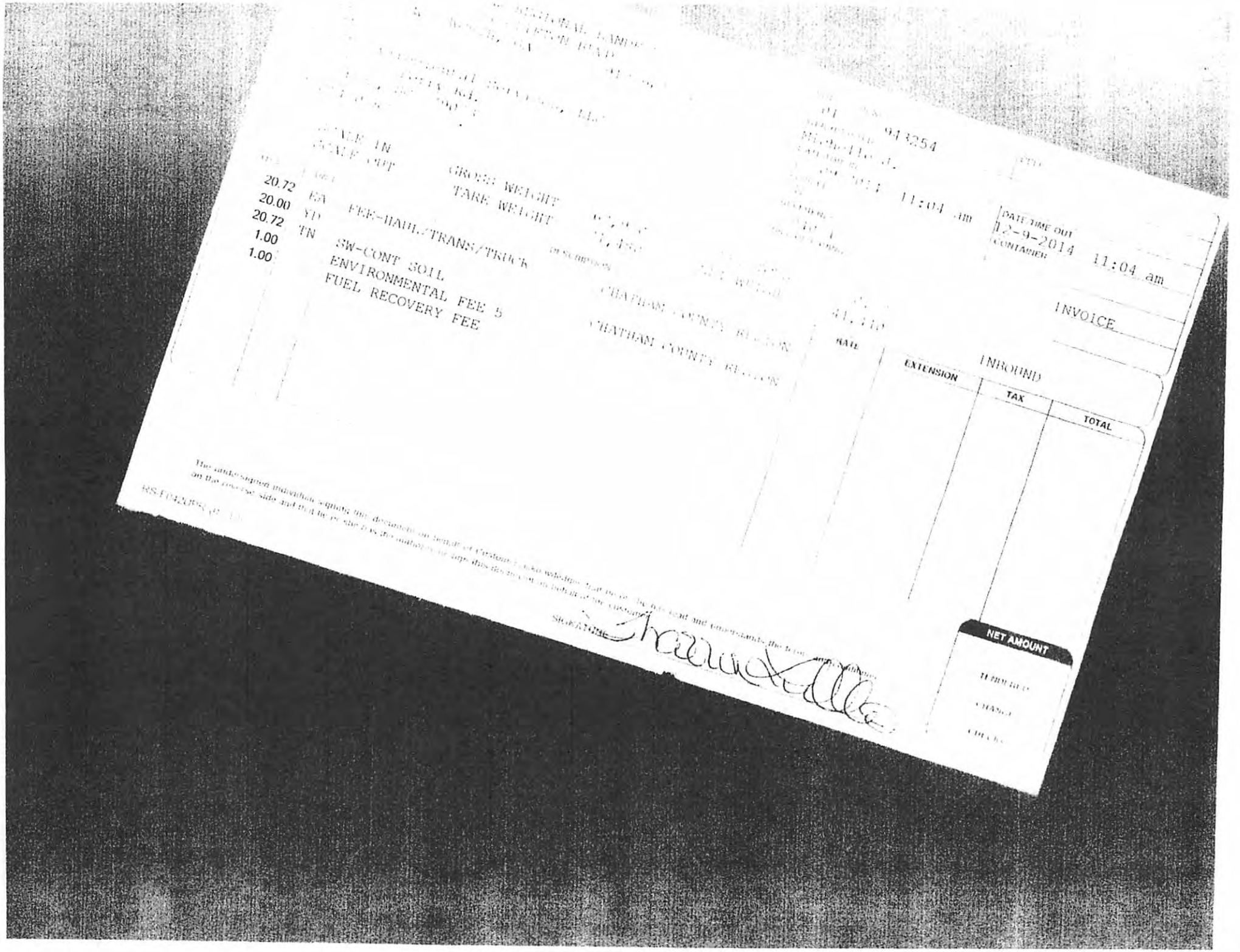
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



943254

11:04 AM

DATE/TIME OUT
12-9-2014 11:04 am

INVOICE

INBOUND

			EXTENSION	TAX	TOTAL
20.72	EA	FEE-HAUL/TRANS/TRUCK			
20.00	YD	SW-CONT 301L			
20.72	TN	ENVIRONMENTAL FEE 5			
1.00		FUEL RECOVERY FEE			
1.00					

NET AMOUNT

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204074

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 22

c. Driver Name (Print)	d. Signature	e. Date
K Shannon Lyles	K Shannon Lyles	K 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 TICKET 943255
CELL
WEIGHMASTER Michelle J.
DATE/TIME IN 12-09-2014 11:06 am
DATE/TIME OUT 12-9-2014 11:06 am
TRUCK BN-702
CONTAINER
REFERENCE 2204073
BILL OF LADING
INVOICE

SCALE IN GROSS WEIGHT 62,780
SCALE OUT TARE WEIGHT 26,640
NET TONS 18.07
NET WEIGHT 36,140
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.07	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL					
18.07	TN	ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					
1.00							

NET AMOUNT
TENDERED
CHANGE
CHECK#

K Bynum

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204073

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	As Agent for Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 702

c. Driver Name (Print)	d. Signature	e. Date
X Kevin Byrnes	X K. Byrnes	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Citron Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/12/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

[illegible]14
A & D Environmental Services, LLC
[illegible] Calks Ferry Rd.
Lexington, SC 29073
[illegible]1420787

SITE	TICKET #	CELL
01	943258	

WEIGHMASTER
Susan D.

DATE/TIME IN
12-09-2014 11:18 am

DATE/TIME OUT
12-[illegible]

VEHICLE
TB-001

CONTAINER

REFERENCE
2204075

BILL OF LADING

SCALE IN	GROSS WEIGHT	[illegible]	NET TONS	17.47
SCALE OUT	TARE WEIGHT	[illegible]	NET WEIGHT	34,940

UNIT		DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.47	EA	FEE-HAUL/TRANS TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
17.47	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

[illegible] and understands the terms and conditions [illegible] on behalf of the customer.

2/21

SIGNATURE [signature]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204075

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] AS Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

TB01

c. Driver Name (Print)	d. Signature	e. Date
X NATHAN PORTER	X [signature]	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
	[signature]	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
[illegible] CLIFTON BLVD
[illegible] 912-964-2812

[illegible] Services, LLC

SITE | TICKET # | DATE
[illegible] | 943261

ASSIGNMASTER
Susan D.

DATE TIME IN | DATE TIME OUT
12-09-2014 11:24 am [illegible]

VEHICLE
BN-32

REFERENCE
2204076

BILL OF LADING

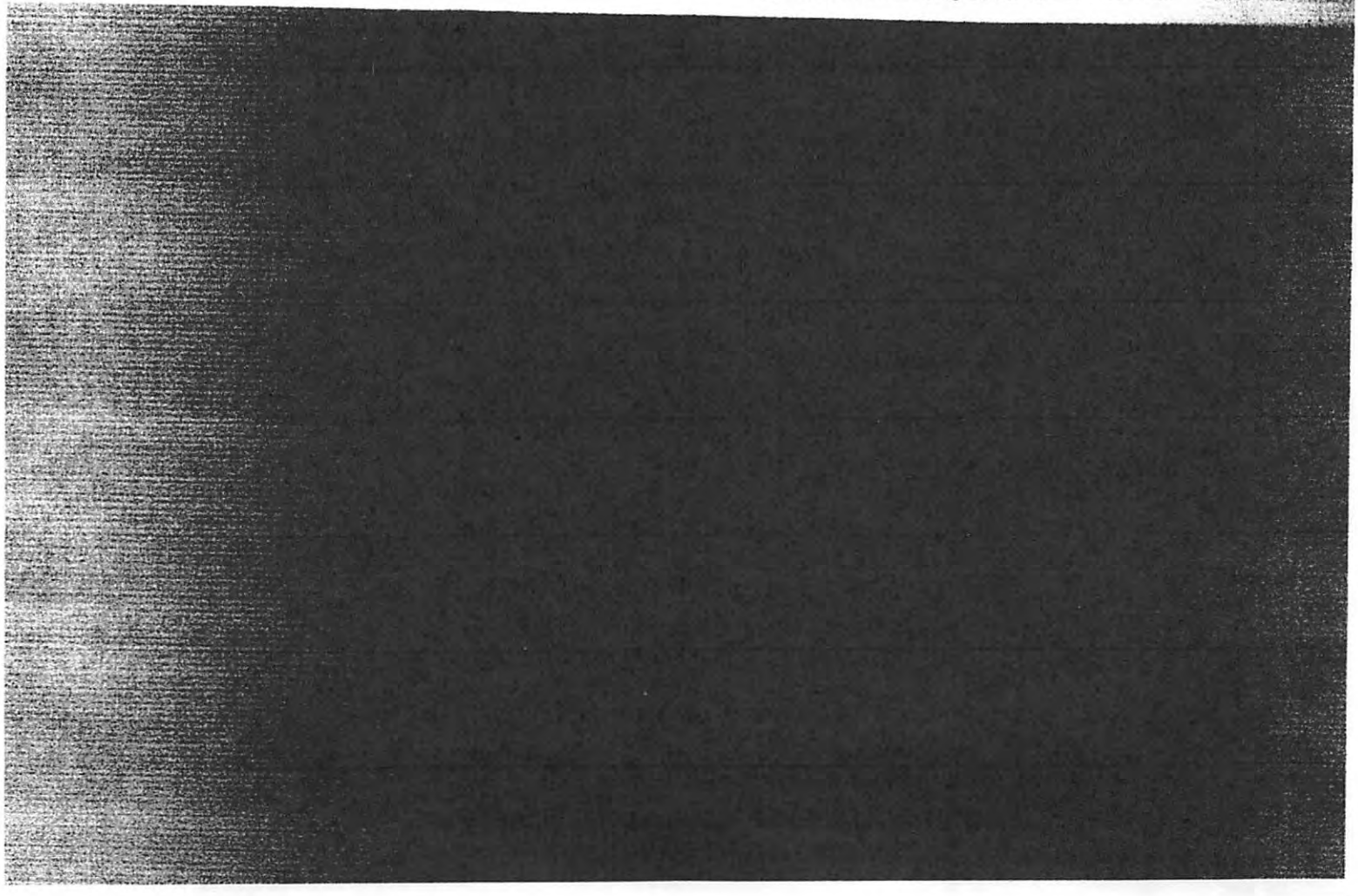
[illegible]	GROSS WEIGHT	58,960	NET TONS	17.48
[illegible]	TARE WEIGHT	24,000	NET WEIGHT	34,960

		DESCRIPTION	RATE	EXTENSION
[illegible]	[illegible]	CHATHAM COUNTY REGION		
[illegible]	[illegible]	CHATHAM COUNTY REGION		
[illegible]	ENVIRONMENTAL FEE [illegible]			
[illegible]	FUEL RECOVERY FEE			

[illegible] document on behalf of Customer acknowledges [illegible] the terms and [illegible] has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE Clarence L



REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204076

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:
h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b:		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
[illegible] CLIFTON BLVD
[illegible] GA [illegible]

SITE [illegible] TICKET # 943266 CELL

WEIGHMASTER
Susan D.

DATE/TIME OUT
[illegible] 11:33 am 12-9-[illegible] 11:33 am

CONTAINER

INVOICE

NET TONS 20.19
NET WEIGHT 40,380 INBOUND

DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
CHATHAM COUNTY REGION				
CHATHAM COUNTY REGION				

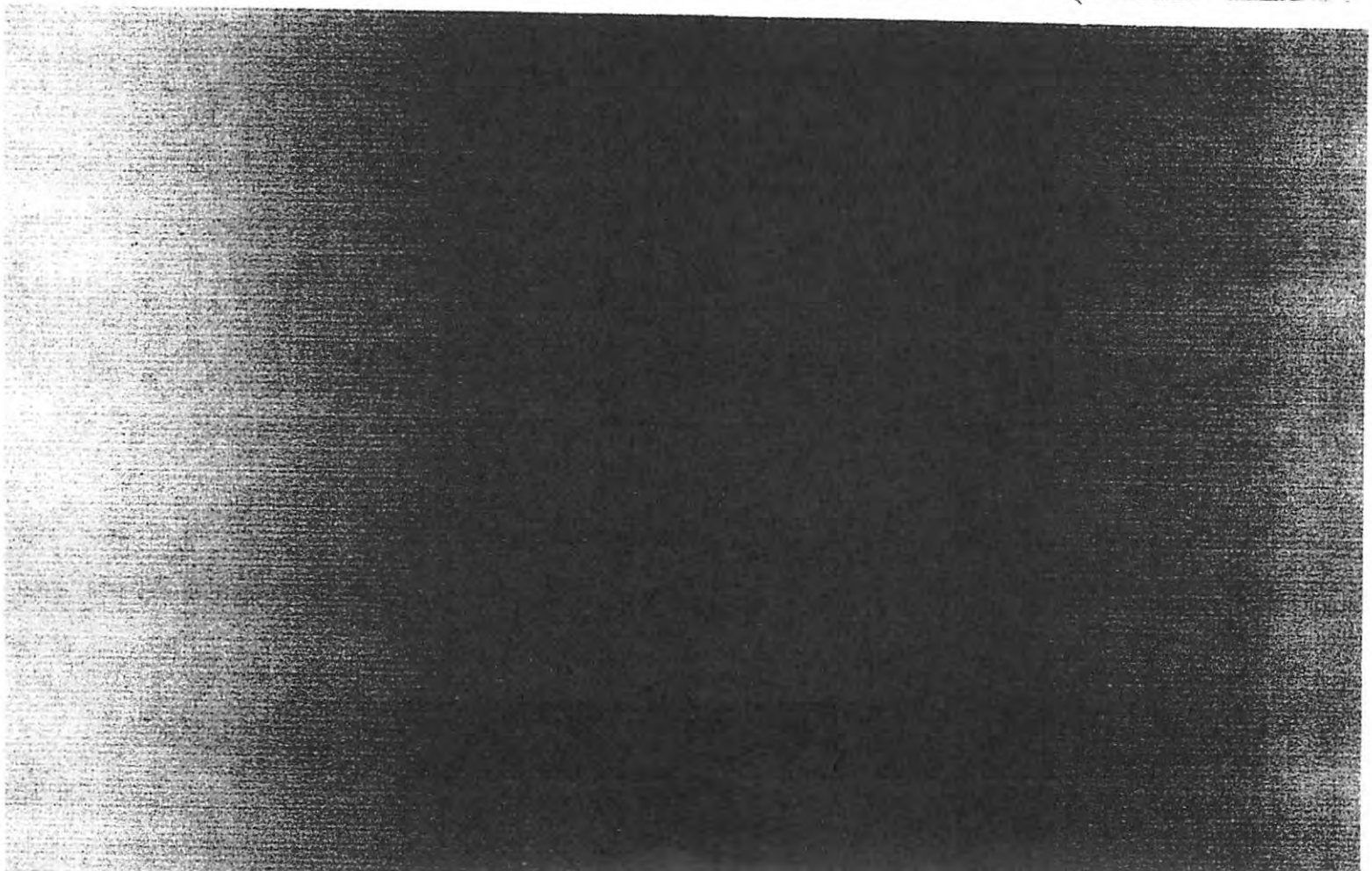
[illegible] FEE
[illegible] FEE

NET AMOUNT
TENDERED
CHANGE
CHECK

[illegible] Customer [illegible] Edges, not he or she has read and understands the terms and conditions [illegible] the authority to sign [illegible] on behalf of the customer.

2/21

SIGNATURE



REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204077

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GRAZIO	Paul Grazio AS Agent FOR Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 20

c. Driver Name (Print)	d. Signature	e. Date
[illegible]	[illegible]	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

01 943285

Michelle A.

12-9-2014 12:37 pm

Environmental Services, LLC
Sales Ferry Rd.
, SC 29073

INVOICE

SCALE IN GROSS WEIGHT 56,820
SCALE OUT TARE WEIGHT 26,640

QTY	UOM		
15.00	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION
20.00	TO		
15.00	TH	SW-CONT SOIL	CHATHAM COUNTY REGION
1.00		ENVIRONMENTAL FEE 5	
1.00		FUEL RECOVERY FEE	

NET AMOUNT

K Bond

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204078

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 702

c. Driver Name (Print)	d. Signature	e. Date
X Kevin Byrnes	X K Byrnes	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12.9.14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943286
Michelle J.
12-09-2014 12:40 pm
BN-20
2204079

DATE/TIME OUT
12-9-2014 12:40 pm
CONTAINER

INVOICE

SCALE IN GROSS WEIGHT 58,340 NET TONS 18.13
SCALE OUT TARE WEIGHT 22,080 NET WEIGHT 36,260 INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.13	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
18.13	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned [illegible] has read and understands the terms and conditions [illegible]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204079

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 20

c. Driver Name (Print)	d. Signature	e. Date
[illegible]	[illegible]	12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M Cull	[illegible]	12-9-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943288	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-09-2014 12:42 pm	12-9-2014 12:42 pm

VEHICLE: BN-22
CONTAINER:
REFERENCE: 2204080
BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	60,940	NET TONS	19.73	
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	39,460	INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.73	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
19.73	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943288 | CELL
WEIGHMASTER: Michelle J.
DATE/TIME IN 12-09-2014 12:42 pm | DATE/TIME OUT 12-9-2014 12:42 pm
VEHICLE: BN-22
CONTAINER:
REFERENCE: 2204080
BILL OF LADING: INVOICE

SCALE IN GROSS WEIGHT 60,940 NET TONS 19.73
SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 39,460 INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.73	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
19.73	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204080

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN-22

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Marcus Littles	X	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
Michelle Grace		12-9-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943289

WEIGHMASTER
Michelle J.

DATE/TIME IN
12-09-2014 12:46 pm

VEHICLE
BN-32

REFERENCE
2204081

DATE/TIME OUT
12-9-2014 12:46 pm

CONTAINER

INVOICE

SCALE IN	GROSS WEIGHT	58,840	NET TONS	17.42	INBOUND
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	34,840	

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.42	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
17.42	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned [illegible] the terms and conditions in the reverse side and that [illegible] of the customer.

SIGNATURE Clarence L

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204081

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
BN-32
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
Michelle		12-9-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

01 943300

Michelle J.
12-09-2014 1:26 PM
BH 701
0408

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
1101420787

SCALE IN	GROSS WEIGHT	55,880	NET TONS	15.94	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	31,[illegible]	

15.94	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION
20.00	TD		CHATHAM COUNTY REGION
15.94	TH	SW CONT SOIL	
1.00		ENVIRONMENTAL FEE 5	
1.00		FUEL RECOVERY FEE	

NET AMOUNT

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204082

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo AS Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
D&H Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

b. Phone:

D1

c. Driver Name (Print)	d. Signature	e. Date
X Ricky Parker	X Ricky Parker	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Cell		12-19-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | SCALE 943301 | CELL

WEIGHMASTER Michelle J.

DATE/TIME IN 12-09-2014 1:30 pm | DATE/TIME OUT 12-9-2014 1:30 pm

VEHICLE BN-702 | CONTAINER

REFERENCE 2204083 | INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	59,920	NET TONS	16.64	
SCALE OUT	TARE WEIGHT	26,640	NET WEIGHT	33,280	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
16.64	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
16.64	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signed this document [illegible] that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204083

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul G. (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

SN 707

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	K. Byrnes	12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
MICHELE		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01 | TICKET #: 943302 | CELL:

WEIGHMASTER: Michelle J.

DATE/TIME IN: 12-09-2014 1:32 pm | DATE/TIME OUT: 12-9-2014 1:32 pm

VEHICLE: BN-20 | CONTAINER:

REFERENCE: 2204084 | INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	59,760	NET TONS	18.84	
SCALE OUT	TARE WEIGHT	22,080	NET WEIGHT	37,680	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.84	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
18.84	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204084

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-20

c. Driver Name (Print)	d. Signature	e. Date
X Ben Underwood	X	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/09/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
1101420787

01 943304
Michelle J.
12-09-2014 1:36 PM
BN-32
2204085

DATE/TIME OUT
12-9-2014 1:36 PM

INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 59,720
TARE WEIGHT 24,000
NET TONS 17.86
NET WEIGHT 35,720

17.86	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION	
0.00	TN			
17.86	TN	SW-CONT SOIL	CHATHAM COUNTY REGION	
1.00		ENVIRONMENTAL FEE 5		
1.00		FUEL RECOVERY FEE		

NET AMOUNT

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204085

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Gowcantoe)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-

100014
A & D Environmental Services, LLC
131 Cilks Ferry Rd.
Lexington, SC 29073

SCALE IN
SCALE OUT GROSS WEIGHT
TARE WEIGHT

FEE HAUL TRANS/TRUCK
SW CNTY FULL
ENVIRONMENTAL FEE
FUEL RECOVERY FEE

CHATHAM

NET AMOUNT

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204086

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (Assistant Site Coordinator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN-22

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Shareal Lattes	X Shareal Lattes	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12-19-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET 943324 | CELL

WEIGHMASTER
Michelle J.

DATE/TIME IN
12-09-2014 2:32 pm

DATE/TIME OUT
12-9-2014 2:32 pm

VEHICLE
BN-20

CONTAINER

REFERENCE
2204087

BILL OF LADING

INVOICE

SCALE IN	GROSS WEIGHT	61,400	NET TONS	19.66
SCALE OUT	TARE WEIGHT	22,080	NET WEIGHT	39,320

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.66	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD		CHATHAM COUNTY REGION				
19.66	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

[illegible] and understands the terms and conditions

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204087

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
BN-20
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
X [illegible]	X [signature]	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[signature]	12-9-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943325 | CELL

WEIGHMASTER
Michelle J.

DATE/TIME IN
12-09-2014 2:36 pm

DATE/TIME OUT
12-9-2014 2:36 pm

VEHICLE
BN-701

CONTAINER

REFERENCE
2204088

INVOICE

BILL OF LADING

SCALE IN
SCALE OUT

GROSS WEIGHT 62,920
TARE WEIGHT 24,000

NET TONS 19.46
NET WEIGHT 38,920

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.46	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
19.46	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

Terms and conditions

Kelly P.

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204088

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo As Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 701

c. Driver Name (Print)	d. Signature	e. Date
X Ricky Parker	X Ricky Parker	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01
TICKET # 943326
CELL
WEIGHMASTER Michelle J.
DATE/TIME IN 12-09-2014 2:38 pm
DATE/TIME OUT 12-9-2014 2:38 pm
VEHICLE BN-702
CONTAINER
REFERENCE 2204089
BILL OF LADING

INVOICE

SCALE IN
TARE OUT

GROSS WEIGHT 63,800
TARE WEIGHT 26,640
NET TONS 18.58
NET WEIGHT 37,160

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	TRACKING QTY				
18.58	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

CHATHAM COUNTY REGION

NET AMOUNT
TENDERED
CHANGE
CHECK#

K Byrnes

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204089

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS AGENT FOR GENERATOR)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-702

c. Driver Name (Print)	d. Signature	e. Date
X Kevin Byrnes	X K Byrnes	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-09-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01
TICKET # 943329
CELL
WEIGHMASTER Michelle J.
DATE/TIME IN 12-09-2014 2:44 pm
DATE/TIME OUT 12-9-2014 2:44 pm
CONTAINER
VEHICLE BN-32
REFERENCE 2204091
BILL OF LADING
INVOICE

SCALE IN GROSS WEIGHT 64,040 NET TONS 20.02
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 40,040 INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.02	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD		CHATHAM COUNTY REGION				
20.02	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

Liberena L

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204091

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Little	X Clarence Little	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943328 | CELL

WEIGHMASTER
Michelle J.

DATE/TIME IN
12-09-2014 2:42 pm

DATE/TIME OUT
12-9-2014 2:42 pm

VEHICLE
BN-22

CONTAINER

REFERENCE
2204090

INVOICE

BILL OF LADING

SCALE IN
SCALE OUT

GROSS WEIGHT 65,940
TARE WEIGHT 21,480

NET TONS 22.23
NET WEIGHT 44,460

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
22.23	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD		CHATHAM COUNTY REGION				
22.23	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

...and conditions

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204090

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo As Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Bell Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN22

c. Driver Name (Print)	d. Signature	e. Date
X Darren Littles	X Darren Littles	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clinton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

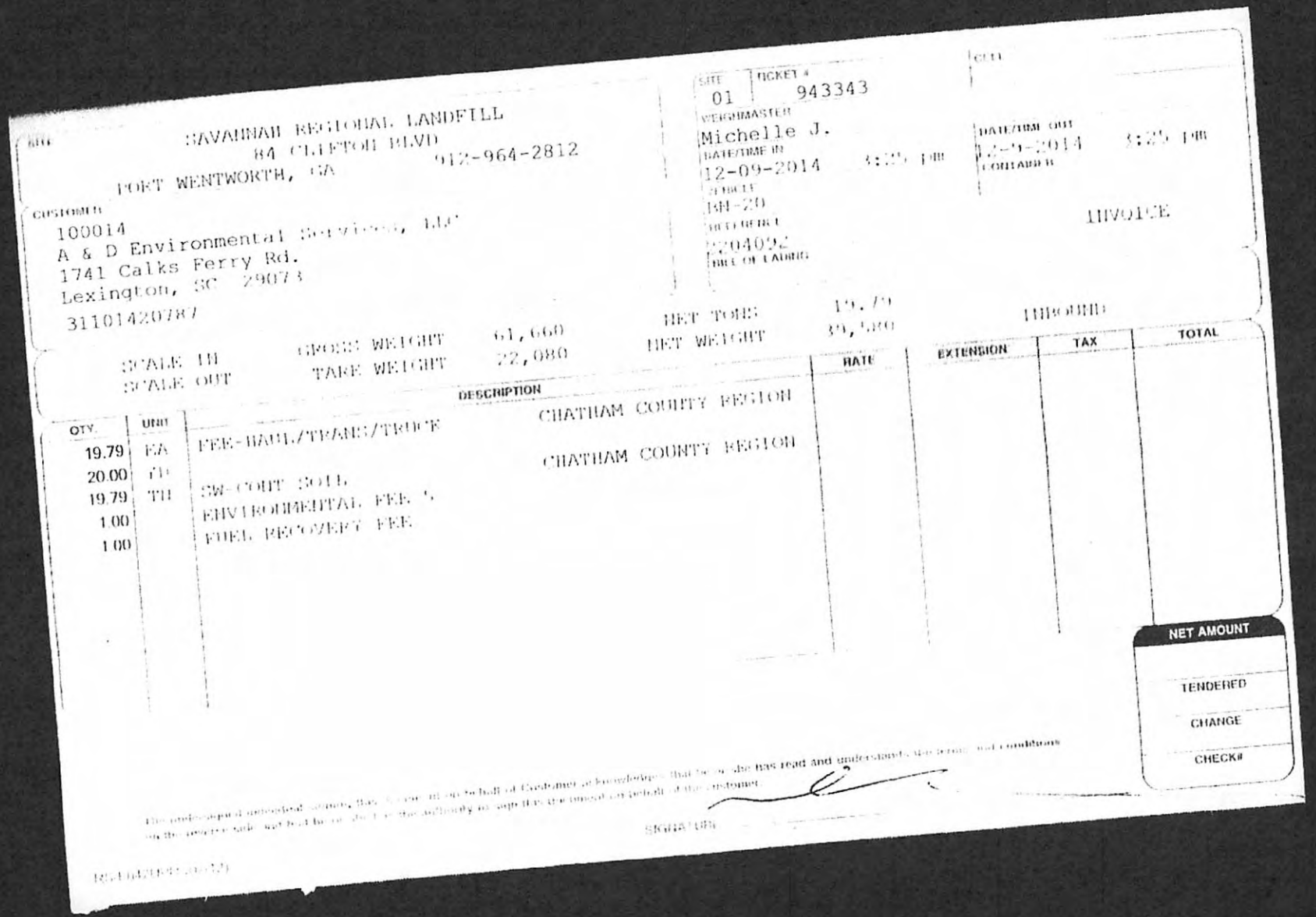
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943343

CELL

WEIGHMASTER
Michelle J.

DATE/TIME IN
12-09-2014 3:25 PM

DATE/TIME OUT
12-9-2014 3:25 PM

VEHICLE
BN-20

CONTAINER

REFERENCE
2204092

BILL OF LADING

INVOICE

SCALE IN GROSS WEIGHT 61,660 NET TONS 19.79 INBOUND
SCALE OUT TARE WEIGHT 22,080 NET WEIGHT 39,580

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.79	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD		CHATHAM COUNTY REGION				
19.79	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-EH42[illegible]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204092

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&J Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN -20

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Gene Anderson	X Gene Anderson	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
MICHAEL		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 TICKET # 943346
CELL
WEIGHMASTER Michelle J.
DATE/TIME IN 12-09-2014 3:31 pm
DATE/TIME OUT 12-9-2014 3:31 pm
CONTAINER
VEHICLE BN-701
REFERENCE 2204093
BILL OF LADING
INVOICE

SCALE IN GROSS WEIGHT 63,620
SCALE OUT TARE WEIGHT 24,000
NET TONS 19.81
NET WEIGHT 39,620
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.81	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
19.81	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

Rickie J.

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204093

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS AGENT FOR GENERATOR)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 701

c. Driver Name (Print)	d. Signature	e. Date
X Ricky Pardue	X Ricky Pardue	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
MICHAEL		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SCALE
01
TICKET #
943347
CELL
WEIGHMASTER
Michelle J.
DATE/TIME IN
12-09-2014 3:32 pm
DATE/TIME OUT
12-9-2014 3:32 pm
CONTAINER
VEHICLE
BN-702
REFERENCE
204094
BILL OF LADING
INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 64,180
TARE WEIGHT 26,640
NET TONS 18.77
NET WEIGHT 37,540
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.77	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	CHATHAM COUNTY REGION				
18.77	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

I understand its terms and conditions

K Bynum

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204094

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/5/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN702

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Kevin Byrnes	X K Byrnes	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
b. Savannah Regional Industrial Landfill 84 Dillon Blvd Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SCALE IN
SCALE OUT

GROSS WEIGHT 68,300
TARE WEIGHT 21,480
NET TONS 23.41
NET WEIGHT 46,820

SCALE ID 01
TICKET # 943349
ENTERMASTER Michelle J.
DATE/TIME IN 12-09-2014 3:42 pm
VEHICLE BN-22
REFERENCE 2204095
BILL OF LADING

CELL
DATE/TIME OUT 12-9-2014 3:42 pm
CONTAINER
INVOICE
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
23.41	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL					
23.41	TN	ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					
1.00							

NET AMOUNT
TENDERED
CHANGE
CHECK#

...and on receipts for terms and conditions

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204095

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/19/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-22

c. Driver Name (Print)	d. Signature	e. Date
X Shaeen Littles	X Shaeen Littles	X 12/19/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/19/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

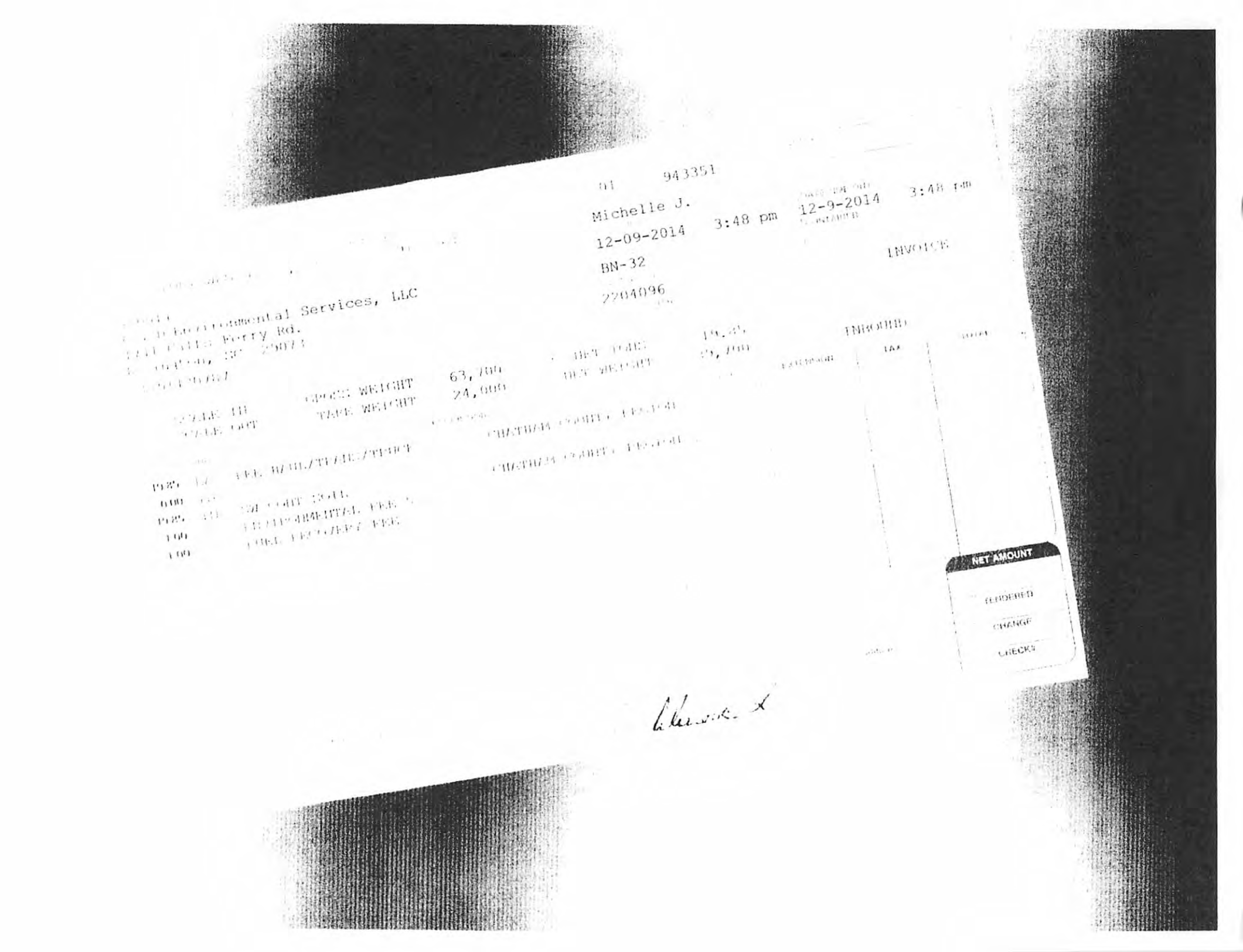
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



01 943351

Michelle J.

12-09-2014 3:48 pm 12-9-2014 3:48 PM

BN-32

2204096

INVOICE

Environmental Services, LLC

Ferry Rd.

GROSS WEIGHT 63,780

TARE WEIGHT 24,000

NET WEIGHT 39,780

INBOUND

NET AMOUNT

RENDERED

CHANGE

CHECK

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204096

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Dean Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN-32

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
K Lawrence Little	K Lawrence Little	K 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

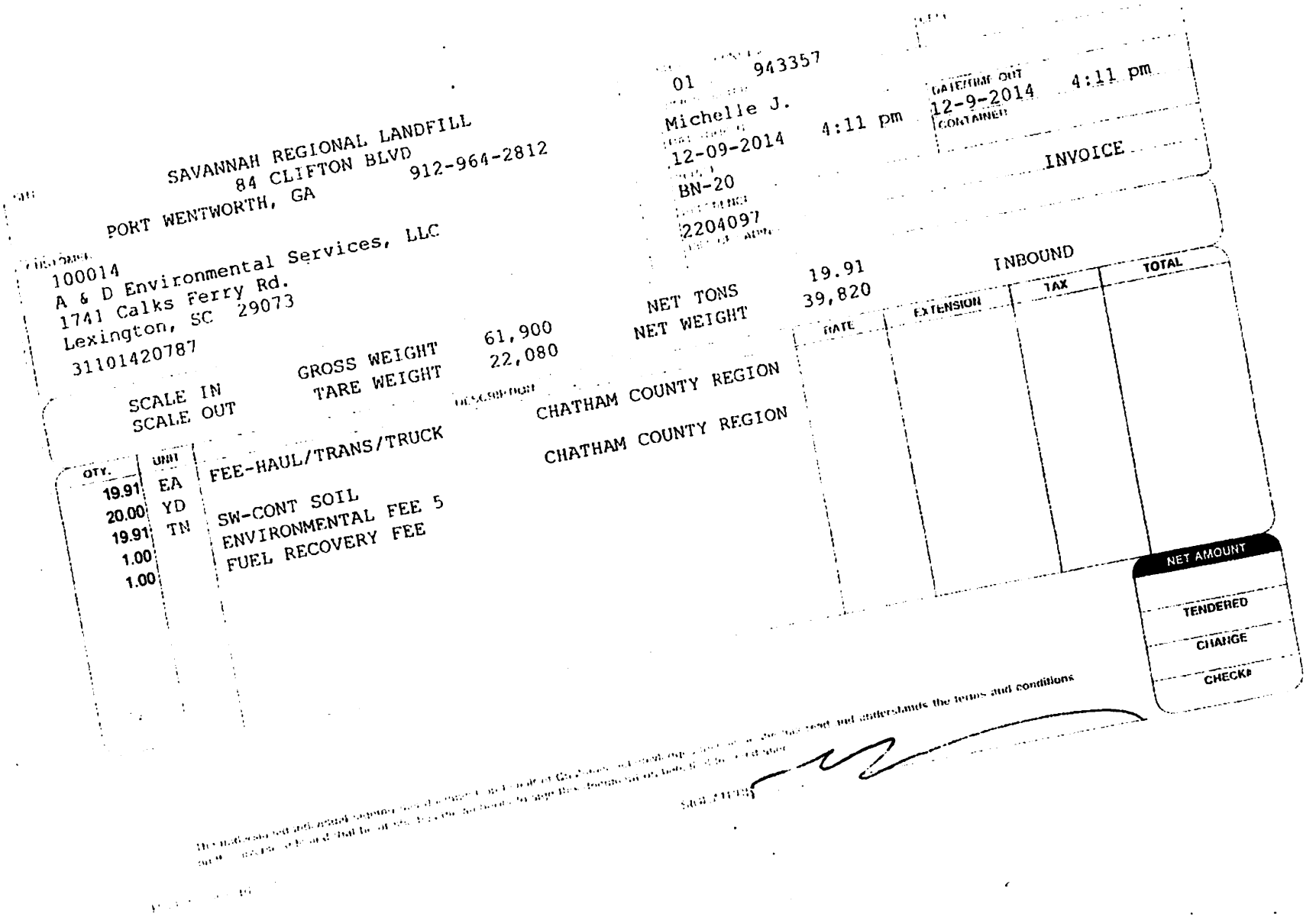
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943357
Michelle J.
12-09-2014 4:11 pm
BN-20
220409?

DATE/TIME OUT 12-9-2014 4:11 pm
CONTAINER

INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 61,900
TARE WEIGHT 22,080
NET TONS 19.91
NET WEIGHT 39,820

INBOUND

QTY.	UNIT	DESCRIPTION	DATE	EXTENSION	TAX	TOTAL
19.91	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION SW-CONT SOIL				
19.91	TN	CHATHAM COUNTY REGION ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

[illegible] understands the terms and conditions

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204097

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GIAZZO	Paul Giazzo As Agent for Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN - 20

c. Driver Name (Print)	d. Signature	e. Date
		12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

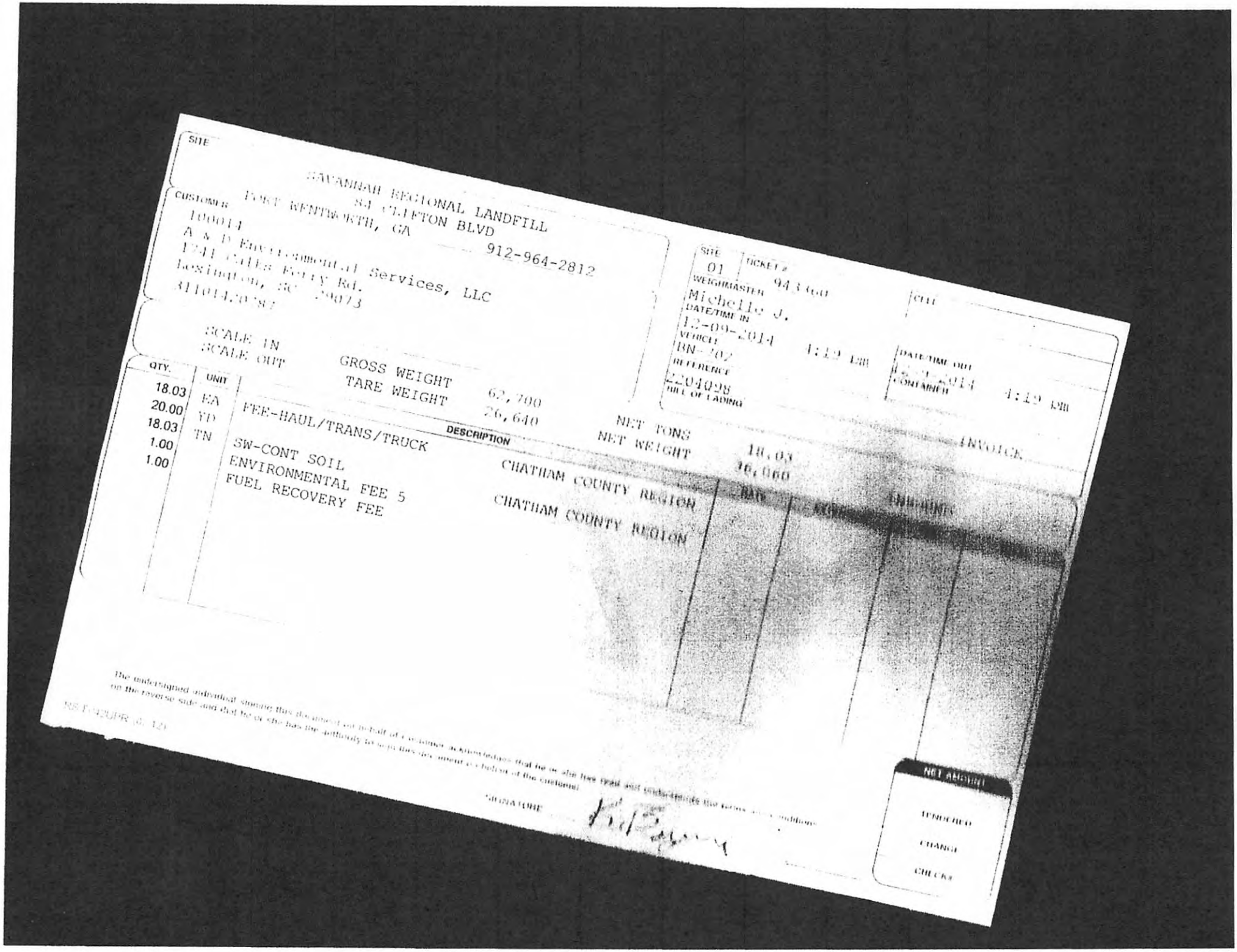
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1241 Celes Kelly Rd.
Lexington, SC 29073
8110142087

SCALE IN
SCALE OUT

GROSS WEIGHT 62,700
TARE WEIGHT 26,640

NET TONS 18.03
NET WEIGHT 36,060

SITE 01
TICKET # 943600
WEIGHMASTER Michelle J.
DATE/TIME IN 12-09-2014 4:19 PM
VEHICL BN-202
REFERENCE 220428
BILL OF LADING

DATE/TIME OUT 12-9-2014 4:19 PM
CONTAINER

INVOICE

QTY.	UNIT	DESCRIPTION	
18.03	EA	FEE-HAUL/TRANS/TRUCK	
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION
18.03	TN	ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION
1.00		FUEL RECOVERY FEE	
1.00			

RATE AMOUNT

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of a customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

MERCHANT COPY (R. 12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204098

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	(As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 707

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	K. Byrnes	12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-9-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110420787

01 943363
Michelle J.
12-09-2014 4:30 pm
BN-22
2204099

CELL

DATE/TIME OUT
12-9-2014 4:30 pm
CONTAINER

INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 66,600
TARE WEIGHT 21,480

NET TONS 22.56
NET WEIGHT 45,120

INBOUND

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.56	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	SW-CONT SOIL				
22.56	TN	ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION			
1.00		FUEL RECOVERY FEE	CHATHAM COUNTY REGION			
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document as Hauler or Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign the document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204099

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GRAVES	Paul Graves (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
K Sharron Hollis	K Sharron Hollis	K 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943364
Michelle J.
12-09-2014 4:32 pm
BN-32
2204100

DATE/TIME OUT
12-9-2014 4:32 pm
CONTAINER

INVOICE

SCALE IN GROSS WEIGHT 62,660 NET TONS 19.33
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 38,660 INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.33	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
19.33	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer warrants he/she has read and understands the terms and conditions on the reverse side and that he/she is authorized to sign this document on behalf of the Customer.

SIGNATURE Clarence L

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204100

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 37

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD 912-964-2812
PORT WENTWORTH, GA

PORT WENTWORTH, LLC

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142078?

SCALE IN 61,900
SCALE OUT GROSS WEIGHT
TARE WEIGHT 22,080

CHATHAM COUNTY REGI

CHATHAM COUNTY REGI

QTY.	UNIT	FEE-HAUL/TRANS/TRUCK
19.91	EA	
20.00	YD	SW-CONT SOIL FEE 5
19.91	TN	ENVIRONMENTAL FEE
1.00		FUEL RECOVERY FEE
1.00		

NET TONS
NET WEIGHT

01
Michelle
12-09-20
BN-20
2204097

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204097

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:

If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GIAZZO	Paul Giazzo As Agent for Generator	2/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-20

c. Driver Name (Print)	d. Signature	e. Date
		2/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		2/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

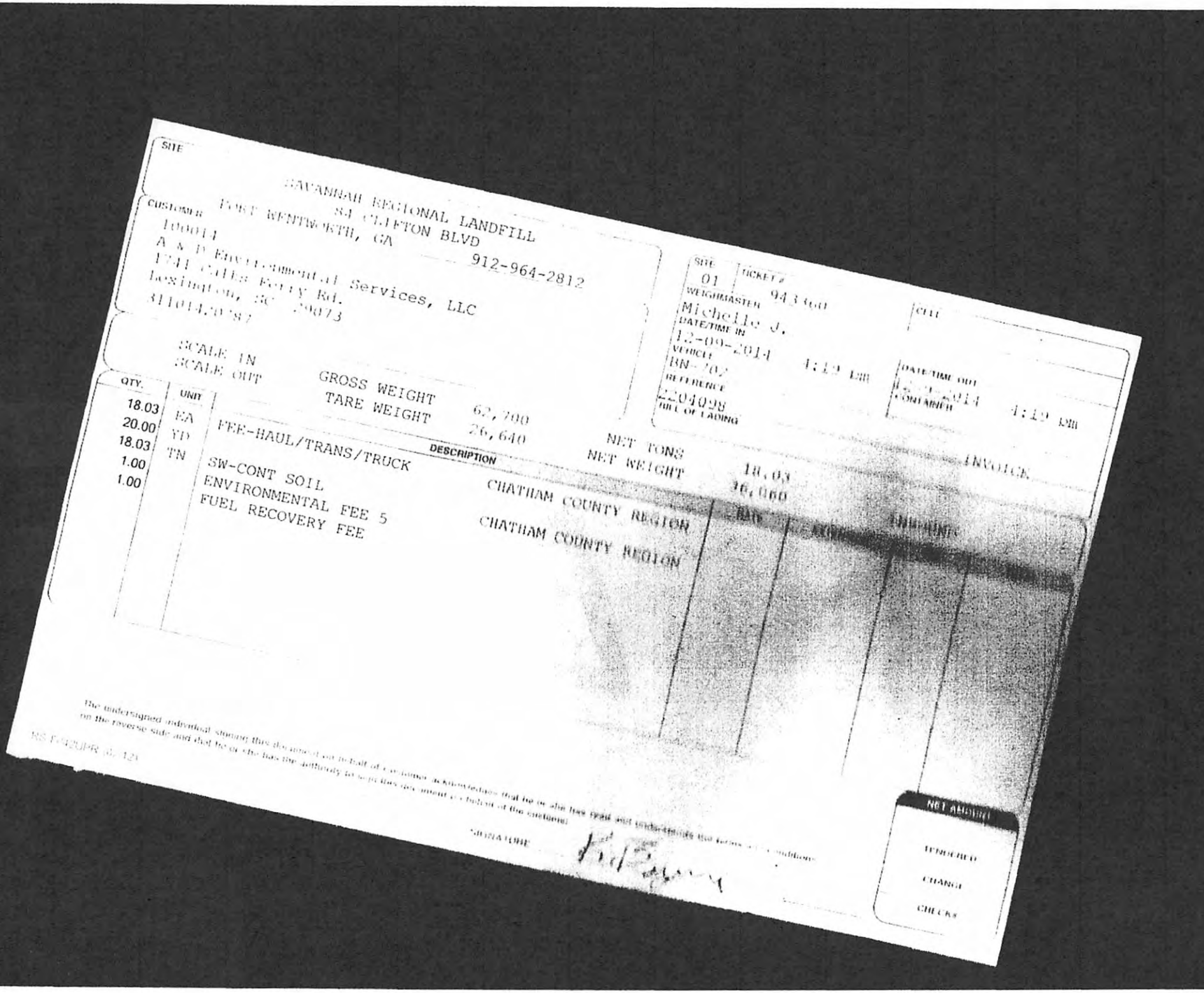
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA
912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
311014.0787

SCALE IN
SCALE OUT

GROSS WEIGHT 62,700
TARE WEIGHT 26,640

NET TONS 18.03
NET WEIGHT 36,060

SITE 01
TICKET # 943360
WEIGHMASTER Michelle J.
DATE/TIME IN 12-09-2014 4:19 pm
VEHICLE BN-702
REFERENCE 2204098
BILL OF LADING

CELL

DATE/TIME OUT 12-9-2014 4:19 pm
CONTAINER

INVOICE

QTY.	UNIT	DESCRIPTION		RATE	AMOUNT	ENDORSE	
18.03	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION				
18.03	TN	ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
1.00							

The undersigned individual signing this document on behalf of customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK#

RS F-42UPR (6/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204098

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul G (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&W Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BW 702

c. Driver Name (Print)	d. Signature	e. Date
X Kevin Byrnes	X K. Byrnes	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clinton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA
912-964-2812

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943363
Michelle J.
12-09-2014 4:30 pm
BN-22
2204099

CELL
DATE/TIME OUT 12-9-2014 4:30 pm
CONTAINER

SCALE IN
SCALE OUT

GROSS WEIGHT 66,600
TARE WEIGHT 21,480
NET TONS 22.56
NET WEIGHT 45,120

INVOICE

INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
22.56	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION				
22.56	TN	ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
1.00							

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK#

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204099

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GRAZIO	Paul Grazio AS AGENT FOR GENERATOR	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
K Marcel Hollis	K Marcel Hollis	12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clinton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943364

Michelle J.

DATE/TIME IN
12-09-2014 4:32 pm

DATE/TIME OUT
12-9-2014 4:32 pm

CONTAINER

BN-32

REFERENCE
2204100

INVOICE

SCALE IN GROSS WEIGHT 62,660 NET TONS 19.33
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 38,660 INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.33	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
19.33	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE Clarence L

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204100

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 37

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Little	X Clarence Little	X 12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

333336
NATIONAL SALVAGE & SERVICES CORP
PO BOX 300
CLEAR CREEK, IN 47426
3110413978

SCALE IN
TARE OUT

GROSS WEIGHT 58,580
TARE WEIGHT 42,720

NET TONS 7.93
NET WEIGHT 15,860

SITE	TICKET #
01	943371

WEIGHMASTER: Michelle J.
CELL:
DATE/TIME IN: 12-10-2014 7:16 am
DATE/TIME OUT: 12-10-2014 7:16 am
VEHICLE: CURTISTRUCKING-1
CONTAINER:
REFERENCE: 1760995
BILL OF LADING:

INVOICE

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	TRACKING QTY SAVANNAH				
7.93	TN	SW-TIMBER/TREATED/OLD				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

Richard Bartlett

The undersigned individual signing this document on behalf of [illegible] acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

[illegible]

NET AMOUNT
TENDERED
CHANGE
CHECK#

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

1764995

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

01

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Georgia Power Various Locations Georgia f. Phone:	National Salvage & Service Corporation PO Box 300 Clear Creek, IN 47426 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101413978	2/28/2015	Weathered Wood 1	DT		Approx. 22	Tons
Statesboro GA						

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Michael Bathazel	Michael Bathazel	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Curtis Ufert Trucking
143 Rose Drive
Granville, OH 43023
b. Phone: 614.312.3705

c. Driver Name (Print)	d. Signature	e. Date
Richard Bartlett	Richard Bartlett	12-10-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd. b. Port Wentworth, GA 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943374 | CELL

WEIGHMASTER Michelle J.

DATE/TIME IN 12-10-2014 7:29 am

DATE/TIME OUT 12-10-2014 7:29 am

VEHICLE BN-32

CONTAINER

REFERENCE 2204102

INVOICE

BILL OF LADING

SCALE IN GROSS WEIGHT 59,940 NET TONS 17.97 INBOUND
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 35,940

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.97	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD		CHATHAM COUNTY REGION				
17.97	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE Clarence L

RS F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204102

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	d. Signature	r. Date
Paul GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
Michelle	[signature]	12·10·14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE: SAVANNAH REGIONAL LANDFILL .
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01 TICKET #: 943375 CELL:

WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 7:30 am
DATE/TIME OUT: 12-10-2014 7:30 am
VEHICLE: BN-22
CONTAINER:
REFERENCE: INVOICE
BILL OF LADING: 2204103

SCALE IN
SCALE OUT
GROSS WEIGHT 63,220
TARE WEIGHT 21,480
NET TONS 20.87
NET WEIGHT 41,740
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.87	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
20.87	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F0420P47 (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204103

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313

BN22

b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
X Shannon Littles	X Shannon Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01
TICKET #: 943379
CELL:
WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 7:47 am
DATE/TIME OUT: 12-10-2014 7:47 am
VEHICLE: BN-28
CONTAINER:
REFERENCE: 2204104
BILL OF LADING: INVOICE

SCALE IN GROSS WEIGHT 56,340
SCALE OUT TARE WEIGHT 22,760
NET TONS 16.79
NET WEIGHT 33,580
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
16.79	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION				
16.79	TN	ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
1.00							

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204104

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
BN-28

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
J. C. Hall	J C Hall	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M Clette	M	12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142078?

SCALE IN
SCALE OUT

GROSS WEIGHT 65,080
TARE WEIGHT 21,480
NET TONS 21.80
NET WEIGHT 43,600

01 943391
Michelle J.
12-10-2014 8:33 am
BN-22
2204105

DATE/TIME OUT
12-10-2014. 8:33 am

INVOICE

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.80	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
21.80	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204105

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GA220	(As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
BN 22
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
Shamal Littles		12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943401
Michelle J.
12-10-2014 8:56 am
BN-32
DATE/TIME OUT 12-10-2014 8:56 am
BILL OF LADING INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 63,380
TARE WEIGHT 24,000
NET TONS 19.69
NET WEIGHT 39,380
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.69	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
19.69	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204106

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Bear Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943411

CELL

Michelle J.

DATE/TIME IN
12-10-2014 9:21 am

DATE/TIME OUT
12-10-2014 9:21 am

LEDGER
BN-22

CONTAINER

REFERENCE
2204107

BILL OF LADING
INVOICE

SCALE IN GROSS WEIGHT 63,700 NET TONS 21.11
SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 42,220 INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
21.11	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
21.11	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

PRINTED NAME

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204107

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
BN 22
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
X Sharron Littles	X Sharron Littles	X 10/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
MICHELE		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943417	

WEIGHMASTER: Michelle J.

DATE/TIME IN: 12-10-2014 9:51 AM

DATE/TIME OUT: 12-10-2014 9:51 AM

VEHICLE: BN-32

CONTAINER:

REFERENCE: 2204108

BILL OF LADING:

INVOICE

SCALE IN GROSS WEIGHT 61,620 NET TONS 18.81

SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 37,620 INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.81	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
18.81	TN	SW CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE %				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204108

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN - 32

c. Driver Name (Print)	d. Signature	e. Date
K Clarence Littles	K Clarence Littles	K 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
Michelle		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943422	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 10:06 am	12-10-2014 10:06 am

VEHICLE	CONTAINER
BN-22	

REFERENCE

BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	62,920	NET TONS	20.72	
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	41,440	INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.72	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
20.72	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204101

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-22

c. Driver Name (Print)	d. Signature	e. Date
X Sharrell Littles	X Sharrell Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
b. Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943419	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 9:56 am	12-10-2014 9:56 am

VEHICLE	CONTAINER
BN-28	

REFERENCE: 2204109
BILL OF LADING: INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 54,480
TARE WEIGHT 22,760
NET TONS 15.86
NET WEIGHT 31,720

INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
15.86	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
15.86	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

By signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204109

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	Paul Gazzo (Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

#28

c. Driver Name (Print)	d. Signature	e. Date
X J. C. Hall	X J. C. Hall	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Jones	M. Jones	12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator completes IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA

01 943426

Michelle J.

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142787

12-10-2014 10:19 am

12-10-2014 10:19 am

BN-20

2204110

INVOICE

SCALE IN GROSS WEIGHT 61,980 NET TONS 19.95
SCALE OUT TARE WEIGHT 22,080 NET WEIGHT 39,900

INBOUND

QTY	UNIT	DESCRIPTION		DATE	EXTENSION	TAX	TOTAL
19.95	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
19.95	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

See terms and conditions

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204110

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo VP & Cert For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&J Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-20

c. Driver Name (Print)	d. Signature	e. Date
X Gene Wingard	X [signature]	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[signature]	12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 TICKET 943440

CELL

WEIGHMASTER
Michelle J.

DATE/TIME IN
12-10-2014 11:01 am

DATE/TIME OUT
12-10-2014 11:01 am

CONTAINER

VEHICLE
BN-32

REFERENCE
2204111

INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	61,860	NET TONS	18.93	INBOUND
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	37,860	

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.93	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD		CHATHAM COUNTY REGION				
18.93	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document in behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has full authority to sign this document on behalf of the customer.

SIGNATURE [signature]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204111

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS AGENT FOR Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
[illegible]
[illegible] Environmental Services, LLC
[illegible] Talks Ferry Rd.
[illegible]

SITE	TICKET #	CELL
01	943441	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 11:05 am	12-10-2014 11:05 am

VEHICLE	CONTAINER
BN-28	

REFERENCE: 2204112

BILL OF LADING

INVOICE

SCALE IN	GROSS WEIGHT	56,460	NET TONS	16.85	
SCALE OUT	TARE WEIGHT	22,760	NET WEIGHT	33,700	INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
16.85	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
[illegible]	YD						
16.85	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
[illegible]		ENVIRONMENTAL FEE 5					
[illegible]		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

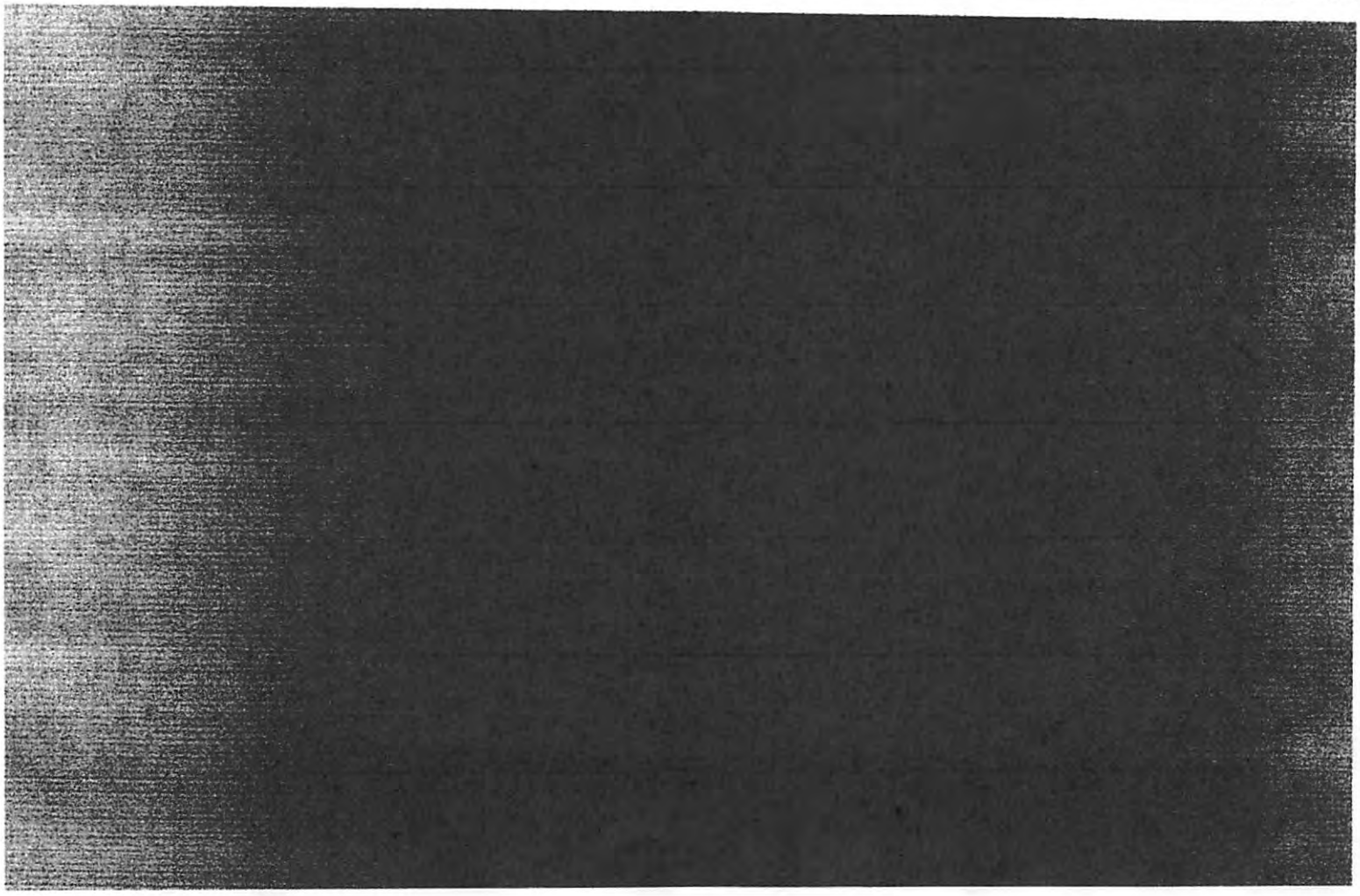
CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

[illegible] (07/12) 2/21

SIGNATURE J. C. Hall



REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204112

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (CAS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Bell Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-28

c. Driver Name (Print)	d. Signature	e. Date
K. J. C. Hall	K J. C. Hall	K 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943444	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 11:11 am	12-10-2014 11:11 am

VEHICLE	CONTAINER
BN-22	

REFERENCE: 2204113 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	58,580	NET TONS	18.55	
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	37,100	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.55	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
18.55	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204113

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:

If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (RS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
BN-22
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
X Darrell Letts	X	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

[illegible]
[illegible]
A & B Environmental Services, LLC
[illegible] Saltz Ferry Rd.
Lexington, SC [illegible]
[illegible]

SITE	TICKET #	CELL
01	943445	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 11:18 am	12-10-2014 11:18 am

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204114

BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	71,200	NET TONS	21.90
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	43,800

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.90	EA	FEE-HAUL TRANS TRUCK CHATHAM COUNTY REGION				
20.00	TN					
21.90	TN	SW-DUNE SAND CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

[illegible] 2/21

SIGNATURE

[redacted]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204114

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

PL
owner operator
5308

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Lastinger	X Jeff Lastinger	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/16/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943452	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 12:09 pm	12-10-2014 12:09 pm

VEHICLE	CONTAINER
BN-32	

REFERENCE: 2004115 INVOICE

BILL OF LADING:

SCALE IN GROSS WEIGHT 58,280 NET TONS 17.14
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 34,280 INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.14	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
17.14	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
AMOUNT

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204115

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Little	X Clarence Little	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Cline		2.10.14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943456	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 12:18 pm	12-10-2014 12:18 pm

VEHICLE	CONTAINER
BN-28	

REFERENCE: 2204116
BILL OF LADING: INVOICE

SCALE IN / SCALE OUT
GROSS WEIGHT 54,120
TARE WEIGHT 22,760
NET TONS 15.68
NET WEIGHT 31,360
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.68	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
15.68	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204116

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo AS Agent For Generator	12/5/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Ben Hocking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN -28

c. Driver Name (Print)	d. Signature	e. Date
X J. C. Hall	X J. C. Hall	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Miller		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943459	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 12:26 pm	12-10-2014 12:26 pm

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204117 INVOICE
BILL OF LADING:

SCALE IN	GROSS WEIGHT	68,060	NET TONS	20.33
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	40,660

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.33	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
20.33	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204117

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

5308

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Lastinger	X Jeff Lastinger	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Cole	M	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142078?

SITE	TICKET #
01	943460

CELL

WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 12:28 PM
DATE/TIME OUT: 12-10-2014 12:28 PM
VEHICLE: BN-22
CONTAINER
REFERENCE: 2204118
BILL OF LADING
INVOICE

SCALE IN — GROSS WEIGHT 62,640 — NET TONS 20.58
SCALE OUT — TARE WEIGHT 21,480 — NET WEIGHT 41,160
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.58	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	CHATHAM COUNTY REGION				
20.58	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE %				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204118

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:

If owner of the generating facility differs from the generator, provide:

h. Owner's Name: | i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
D&H Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Sharron Littles	X Sharron Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

333336
NATIONAL SALVAGE & SERVICES CORP
PO BOX 300
CLEAR CREEK, IN 47426
31101413978

SCALE IN
TARE OUT

GROSS WEIGHT 58,580
TARE WEIGHT 42,720
NET TONS 7.93
NET WEIGHT 15,860

SITE	TICKET #
01	943371

WEIGHMASTER: Michelle J.
CELL:
DATE/TIME IN: 12-10-2014 7:16 am
DATE/TIME OUT: 12-10-2014 7:16 am
VEHICLE: CURTISTRUCKING-1
CONTAINER:
REFERENCE: 1610225
BILL OF LADING:

INVOICE

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	TRACKING QTY				
7.93	TN	SW-TIMBER/TREATED/OLD				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		SAVANNAH				

Richard Bartlett

The undersigned individual signing this [illegible] acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority [illegible]

NET AMOUNT
TENDERED
CHANGE
CHECK#

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

1764995

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

01

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Georgia Power Various Locations Georgia f. Phone:	National Salvage & Service Corporation PO Box 300 Clear Creek, IN 47426 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101413978	2/28/2015	Weathered Wood 1	DT		Approx. 22	Tons
Statesboro GA						

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Michael Rathael	Michael Rathael	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Curtis Ufert Trucking
143 Rose Drive
Granville, OH 43023
b. Phone: 614.312.3705

c. Driver Name (Print)	d. Signature	e. Date
Richard Bartlett	Richard Bartlett	12-10-14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd. b. Port Wentworth, GA 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01 | TICKET #: 943374 | CELL:
WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 7:29 am | DATE/TIME OUT: 12-10-2014 7:29 am
VEHICLE: BN-32 | CONTAINER:
REFERENCE: 2204102 | INVOICE
BILL OF LADING:

SCALE IN
SCALE OUT
GROSS WEIGHT 59,940
TARE WEIGHT 24,000
NET TONS 17.97
NET WEIGHT 35,940
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.97	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD	CHATHAM COUNTY REGION				
17.97	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE Clarissa L

RS F0420R (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204102

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	l. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
Michelle	[signature]	12·10·14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL .
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142078?

SITE 01 | TICKET # 943375 | CELL

WEIGHMASTER: Michelle J.

DATE/TIME IN: 12-10-2014 7:30 am

DATE/TIME OUT: 12-10-2014 7:30 am

VEHICLE: BN-22

CONTAINER

REFERENCE: 2204103

BILL OF LADING

INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 63,220
TARE WEIGHT 21,480.

NET TONS 20.87
NET WEIGHT 41,740

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.87	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
20.87	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F6420UP2 (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204103

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN22

c. Driver Name (Print)	d. Signature	e. Date
X Shawn Lithes	X Shawn Lithes	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01
TICKET #: 943379
CELL:
WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 7:47 am
DATE/TIME OUT: 12-10-2014 7:47 am
VEHICLE: BN-28
CONTAINER:
REFERENCE: 2204104
BILL OF LADING:
INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 56,340
TARE WEIGHT 22,760
NET TONS 16.79
NET WEIGHT 33,580
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
16.79	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION				
16.79	TN	ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
1.00							

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign the document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204104

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	(As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
BN-28

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
C. J. Hall	C. J. Hall	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M McClellan		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943391

Michelle J.

12-10-2014 8:33 am

BN-22

2204105

DATE/TIME OUT 12-10-2014 8:33 am

INVOICE

INBOUND

SCALE IN
SCALE OUT

GROSS WEIGHT 65,080
TARE WEIGHT 21,480
NET TONS 21.80
NET WEIGHT 43,600

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.80	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
21.80	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204105

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	Paul Gazzo (Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
BN 22
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
X Sharral Littles	X Sharral Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2612		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943401
Michelle J.
12-10-2014 8:56 am
BN-32

DATE/TIME OUT
12-10-2014 8:56 am

INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 63,380
TARE WEIGHT 24,000
NET TONS 19.69
NET WEIGHT 39,380

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.69	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
19.69	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204106

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	Paul Gazzo (As agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943411

Michelle J.

DATE/TIME IN
12-10-2014 9:21 am

DATE/TIME OUT
12-10-2014 9:21 am

BN-22

REFERENCE
2204107

BILL OF LADING

INVOICE

SCALE IN GROSS WEIGHT 63,700 NET TONS 21.11
SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 42,220

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
21.11	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
21.11	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204107

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 22

c. Driver Name (Print)	d. Signature	e. Date
X Shallon Littles	X Shallon Littles	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Cullo		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET	CELL
01	943417	

WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 9:51 AM
DATE/TIME OUT: 12-10-2014 9:51 AM
VEHICLE: BN-32
CONTAINER:
REFERENCE: 2204108
BILL OF LADING:

INVOICE

SCALE IN GROSS WEIGHT 61,620 NET TONS 18.81
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 37,620 INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.81	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
18.81	TN	SW CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE %					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204108

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	(As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
East Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN-32

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
Michelle		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943422 | CELL

WEIGHMASTER: Michelle J.

DATE/TIME IN: 12-10-2014 10:06 am | DATE/TIME OUT: 12-10-2014 10:06 am

VEHICLE: BN-22 | CONTAINER

REFERENCE

BILL OF LADING: INVOICE

SCALE IN — GROSS WEIGHT 62,920 — NET TONS 20.72
SCALE OUT — TARE WEIGHT 21,480 — NET WEIGHT 41,440 — INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.72	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
20.72	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

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REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204101

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

SN-22

c. Driver Name (Print)	d. Signature	e. Date
X Sharrell Littles	X	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

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g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943419	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 9:56 am	12-10-2014 9:56 am

VEHICLE: BN-28

CONTAINER:

REFERENCE: 2204109

BILL OF LADING:

INVOICE

SCALE IN	GROSS WEIGHT	54,480	NET TONS	15.86	
SCALE OUT	TARE WEIGHT	22,760	NET WEIGHT	31,720	INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
15.86	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
15.86	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

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REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204109

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

#28

c. Driver Name (Print)	d. Signature	e. Date
J. C. Hall	J. C. Hall	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

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SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA

100014
A & D Environmental Services, LLC
1711 Calks Ferry Rd.
Lexington, SC 29073
(110140787

01 943426

Michelle J.

12-10-2014 10:19 am

BN-20

2204110

DATE/TIME OUT
12-10-2014 10:19 am

INVOICE

SCALE IN GROSS WEIGHT 61,080 NET TONS 19.95
SCALE OUT TARE WEIGHT 22,080 NET WEIGHT 39,900

INBOUND

QTY	UNIT	DESCRIPTION	DATE	EXTENSION	TAX	TOTAL
19.95	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	TO					
19.95	TH	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

the terms and conditions

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204110

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo HS & Cert For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-20

c. Driver Name (Print)	d. Signature	e. Date
X Gene Wildwood	X [signature]	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[signature]	12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET 943440
WEIGHMASTER Michelle J.
DATE/TIME IN 12-10-2014 11:01 am
VEHICLE BN-32
REFERENCE 2204111
BILL OF LADING

CELL
DATE/TIME OUT 12-10-2014 11:01 am
CONTAINER

INVOICE

SCALE IN GROSS WEIGHT 61,860 NET TONS 18.93
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 37,860 INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.93	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD		CHATHAM COUNTY REGION				
18.93	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document in behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has been authorized to sign this document on behalf of the customer.

SIGNATURE [signature]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204111

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS AGENT FOR Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

[illegible]
[illegible]
[illegible] Environmental Services, LLC
[illegible] Celtic Ferry Rd.
[illegible], SC 29[illegible]
[illegible]

SITE	TICKET #	CELL
01	943441	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 11:05 am	12-10-2014 11:05 am

VEHICLE	CONTAINER
RN-28	

REFERENCE: 2204112

BILL OF LADING: INVOICE

SCALE IN:	GROSS WEIGHT	56,460	NET TONS 16.85
SCALE OUT:	TARE WEIGHT	22,760	NET WEIGHT 33,700

INBOUND

ITEM	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.85	EA	FEE-HAUL/TRANS.TRUCK CHATHAM COUNTY REGION				
[illegible]	TO					
16.85	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
[illegible]		ENVIRONMENTAL FEE 5				
[illegible]		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

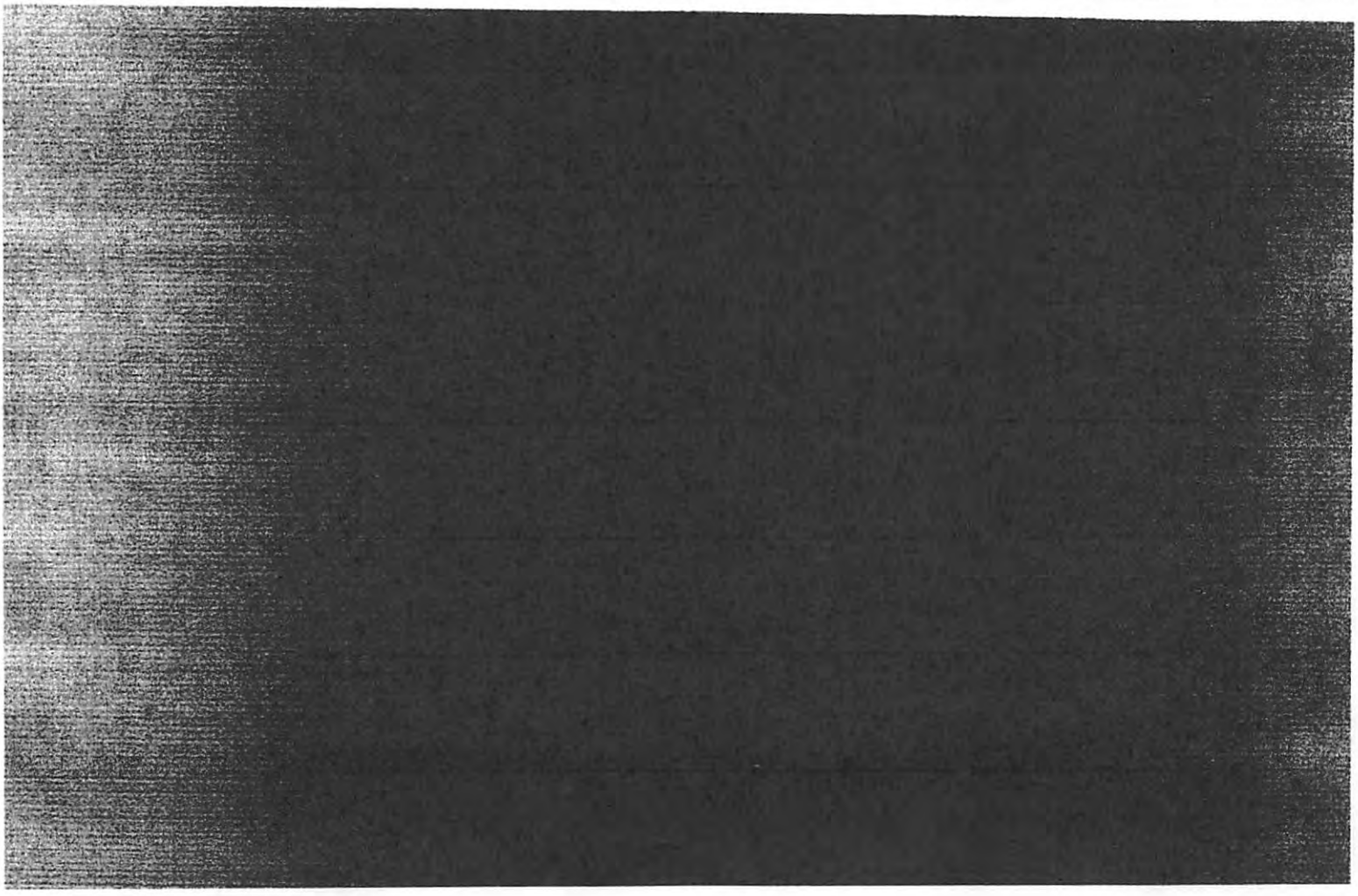
CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

[illegible]FR(07/12) 2/21

SIGNATURE J. C Hall



REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204112

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:
h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN-28

c. Driver Name (Print)	d. Signature	e. Date
X J. C. Hall	X J. C. Hall	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:

c. Responsible Agency Name and Address:
d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

SITE			
SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812			

SITE	TICKET #	CELL
01	943444	

WEIGHMASTER
Susan D.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 11:11 am	12-10-2014 11:11 am

VEHICLE	CONTAINER
BN-22	

REFERENCE
2204113 INVOICE

BILL OF LADING

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SCALE IN	GROSS WEIGHT	58,580	NET TONS	18.55	
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	37,100	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.55	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
18.55	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204113

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:

If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-22

c. Driver Name (Print)	d. Signature	e. Date
X [illegible]	X [illegible]	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
[illegible]
A & D Environmental Services, LLC
[illegible] Calks Ferry Rd.
Lexington, SC [illegible]
[illegible]

SITE	TICKET #	CELL
01	943445	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 11:18 am	12-10-2014 11:18 am

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204114

INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	71,200	NET TONS	21.90
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	43,800

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
21.90	EA	FEE-HAUL TRANS TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
21.90	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

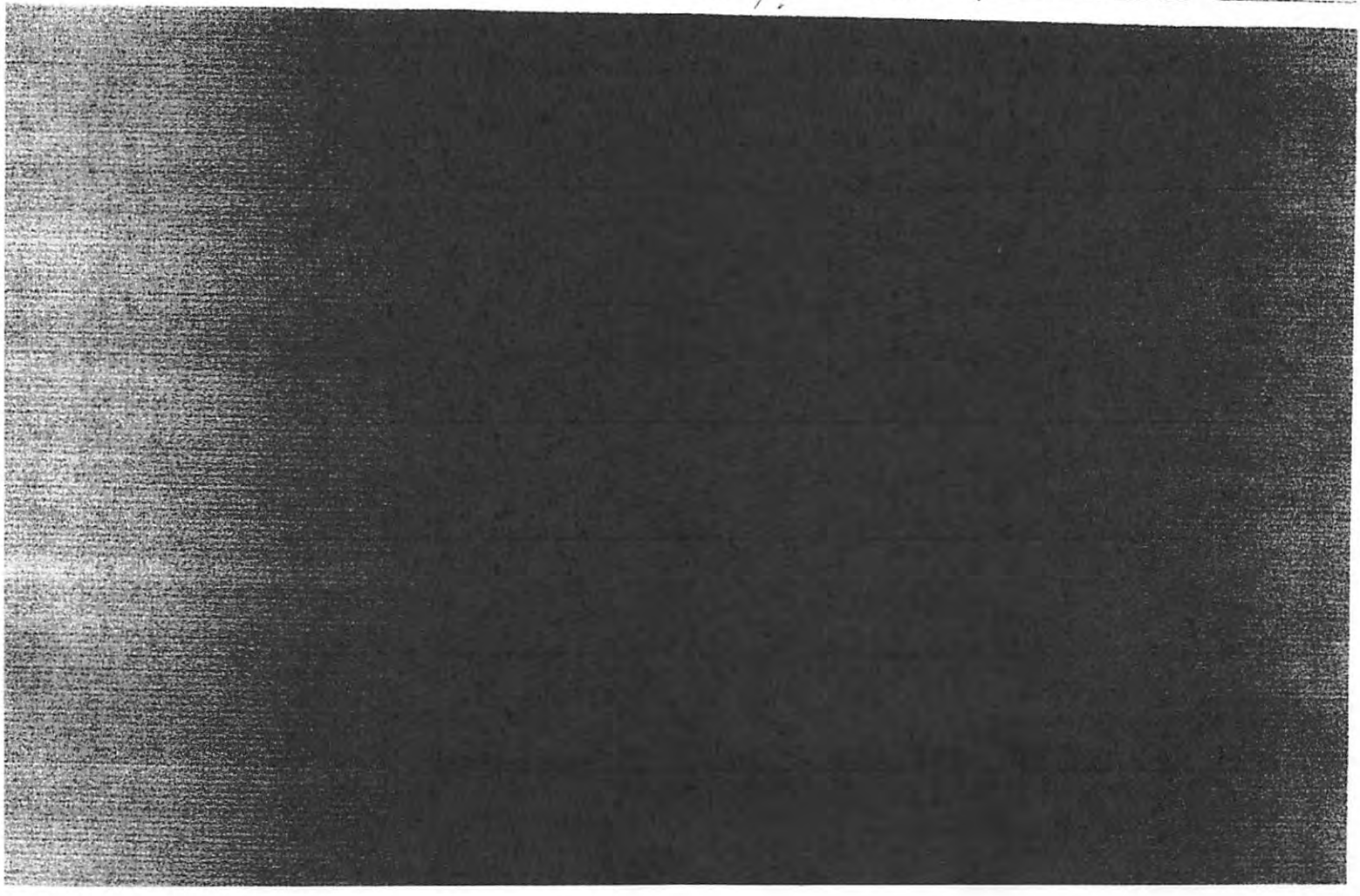
CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

[illegible] 2/21

SIGNATURE [signature]



REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204114

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Bell Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

PL OWNER OPERATOR 5308

c. Driver Name (Print)	d. Signature	e. Date
X JEFF LASTINGER	X Jeff Lastinger	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/16/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943452	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 12:09 pm	12-10-2014 12:09 pm

VEHICLE	CONTAINER
BN-32	

REFERENCE: 2004115 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	58,280	NET TONS	17.14	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	34,280	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.14	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
17.14	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

AMOUNT

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204115

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-32

c. Driver Name (Print)	d. Signature	e. Date
X Chavis Little	X Chavis Little	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Cline		2-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943456	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 12:18 pm	12-10-2014 12:18 pm

VEHICLE	CONTAINER
BN-28	

REFERENCE: 2204116
BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	54,120	NET TONS	15.68
SCALE OUT	TARE WEIGHT	22,760	NET WEIGHT	31,360

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.68	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
15.68	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204116

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo AS Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:	b. Phone:
Ball Trucking 1027 Bacon Road Hinesville, GA 31313	912.412.2402

BN - 28

c. Driver Name (Print)	d. Signature	e. Date
J. C. Ball	J. C. Ball	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	b.	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407	912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943459	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 12:26 pm	12-10-2014 12:26 pm

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204117 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	68,060	NET TONS	20.33
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	40,660

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.33	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
20.33	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204117

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GA220	Paul GA220 AS Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
5308
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Hastings JR	X Jeff Hastings JR	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Cull	M	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

SITE: 01 | TICKET #: 943460 | CELL:

WEIGHMASTER: Michelle J.

DATE/TIME IN: 12-10-2014 12:28 PM

DATE/TIME OUT: 12-10-2014 12:28 PM

VEHICLE: RN-22

CONTAINER:

REFERENCE: 220418

BILL OF LADING: INVOICE

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142078?

SCALE IN
SCALE OUT

GROSS WEIGHT 62,640
TARE WEIGHT 21,480

NET TONS 20.58
NET WEIGHT 41,160

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.58	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
20.58	TN	SW-COMM SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE %				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-1042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204118

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Sharron Littles	X Sharron Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

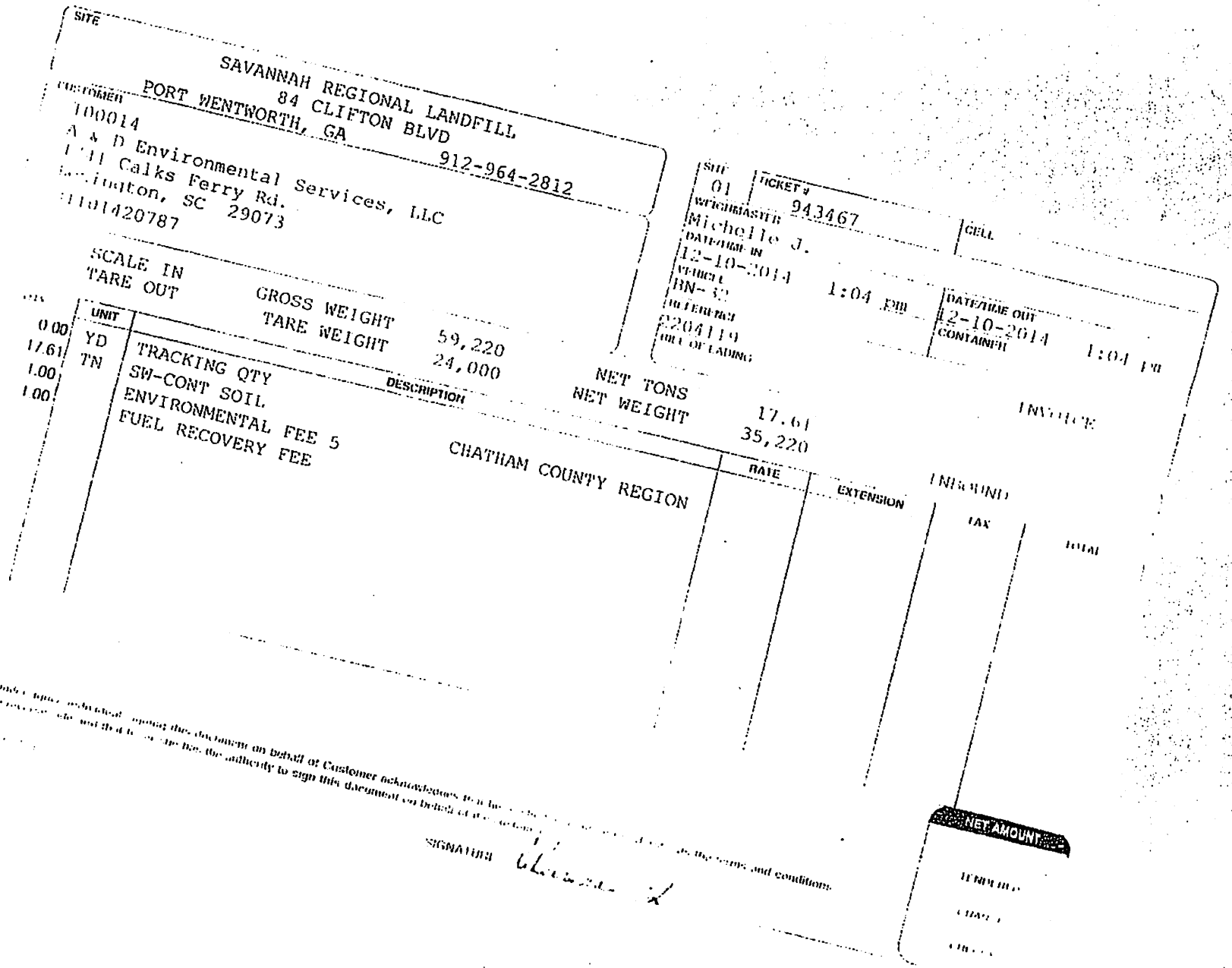
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
[illegible] Calks Ferry Rd.
[illegible]ington, SC 29073
[illegible]1101420787

SITE 01
TICKET # 943467
WEIGHMASTER Michelle J.
DATE/TIME IN 12-10-2014 1:04 pm
VEHICLE BN-32
REFERENCE 2204119
BILL OF LADING

CELL

DATE/TIME OUT 12-10-2014 1:04 pm
CONTAINER

SCALE IN
TARE OUT

GROSS WEIGHT 59,220
TARE WEIGHT 24,000

NET TONS 17.61
NET WEIGHT 35,220

INVOICE

INBOUND

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	TRACKING QTY				
17.61	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

CHATHAM COUNTY REGION

NET AMOUNT

TENDERED

CHANGE

CHECK

[illegible] the terms and conditions.

SIGNATURE [illegible]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204119

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01
TICKET #: 943468
WEIGHMASTER: Michelle J.
CELL:
DATE/TIME IN: 12-10-2014 1:05 pm
DATE/TIME OUT: 12-10-2014 1:05 pm
VEHICLE: BN-28
CONTAINER:
REFERENCE: 2204120
BILL OF LADING:

INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 55,100
TARE WEIGHT 22,760
NET TONS 16.17
NET WEIGHT 32,340

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
16.17	EA	FEE-HAUL/TRANS/TRUCK					
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION				
16.17	TN	ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					
1.00							

NET AMOUNT:
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE J C Dell

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204120

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN 28

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X J. C. Hall	X J. C. Hall	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943474	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 1:18 pm	12-10-2014 1:18 pm

VEHICLE	CONTAINER
BN-22	

REFERENCE: 2204122 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	63,900	NET TONS	21.21
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	42,420

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.21	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
21.21	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204122

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN-22

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
K. Shawn Littles	K. Shawn Littles	12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943473	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 1:15 pm	12-10-2014 1:15 pm

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204121

BILL OF LADING: INVOICE

SCALE IN — GROSS WEIGHT 68,420 — NET TONS 20.51
SCALE OUT — TARE WEIGHT 27,400 — NET WEIGHT 41,020

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.51	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
20.51	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204121

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

5308

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Lastinger	X [signature]	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
M. Clifton	[signature]	12/9/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

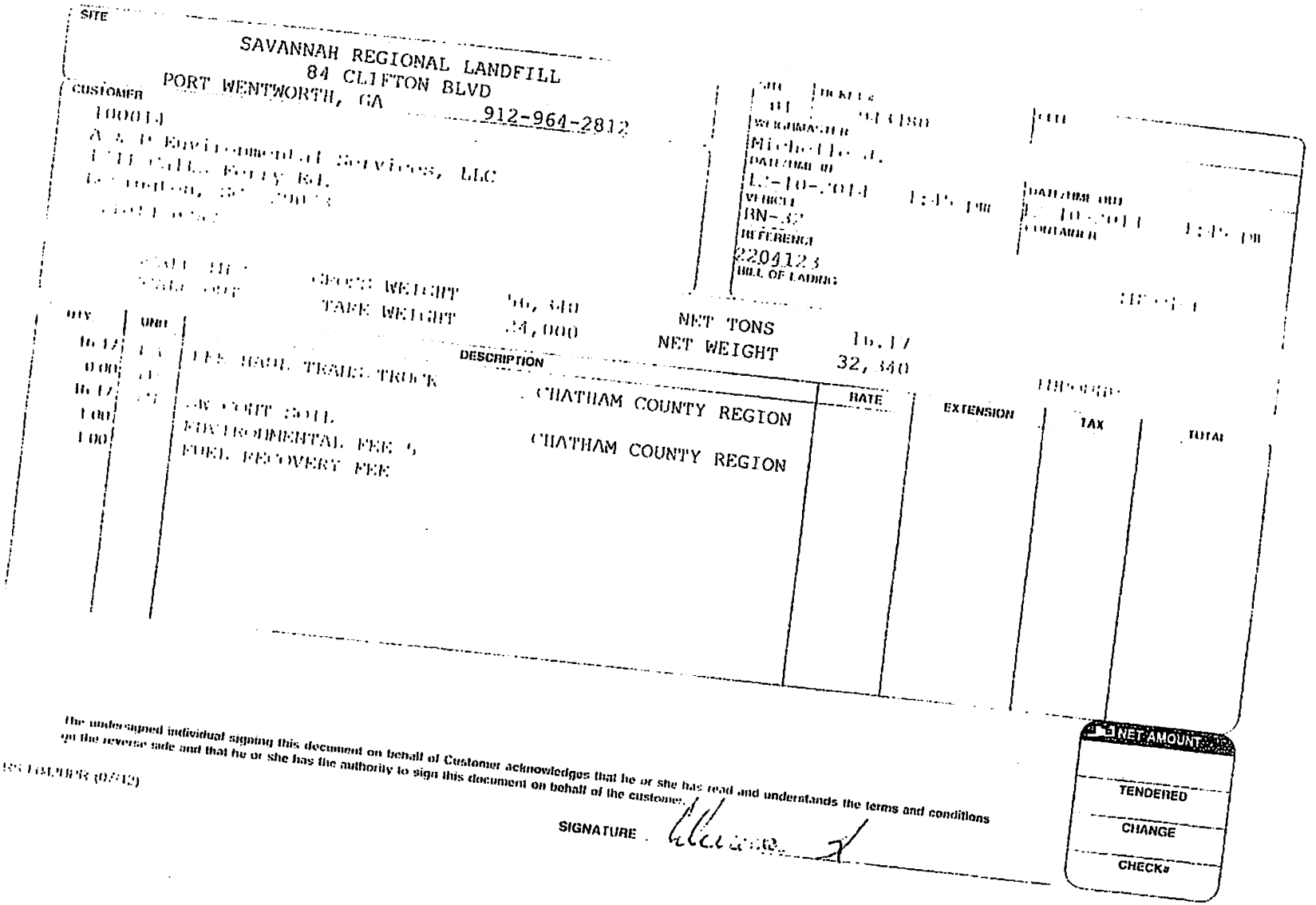
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
[illegible] Calls Ferry Rd.
[illegible]

SITE: 01
TICKET #: [illegible]
WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 1:45 pm
VEHICLE: BN-32
REFERENCE: 2204123
BILL OF LADING:

DATE/TIME OUT: 12-10-2014 1:45 pm
CONTAINER:

SCALE IN:
SCALE OUT:

GROSS WEIGHT 56,340
TARE WEIGHT 24,000
NET TONS 16.17
NET WEIGHT 32,340

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
16.17	[illegible]	FEE HAUL TRANS TRUCK	CHATHAM COUNTY REGION				
0.00	[illegible]						
16.17	[illegible]	SW CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE [signature]

RS [illegible] (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204123

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	Paul Gazzo AS Agent For (Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-16-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
[illegible]

SITE 01
TICKET # 943481
CELL
WEIGHMASTER Michelle J.
DATE/TIME IN 12-10-2014 1:47 pm
DATE/TIME OUT 12-10-2014 1:47 pm
VEHICLE BN-28
CONTAINER
REFERENCE 2204124
BILL OF LADING

INVOICE

SCALE IN GROSS WEIGHT 52,860 NET TONS 15.05
SCALE OUT TARE WEIGHT 22,760 NET WEIGHT 30,100 INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
15.05	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	TD		CHATHAM COUNTY REGION				
15.05	TH	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE T. G. Nell

[illegible]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204124

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Bell Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN28

c. Driver Name (Print)	d. Signature	e. Date
J C. Hall	J C Hall	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943482	

WEIGHMASTER: Michelle J.

DATE/TIME IN: 12-10-2014 2:04 PM

DATE/TIME OUT: 12-10-2014 2:04 PM

VEHICLE: NE-5308

CONTAINER:

REFERENCE: 2204125

BILL OF LADING: INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 65,940
TARE WEIGHT 27,400

NET TONS 19.27
NET WEIGHT 38,540

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.27	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
19.27	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204125

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (HS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

5308

c. Driver Name (Print)	d. Signature	e. Date
[illegible]	X Jeff Lasington X	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clinton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-9-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

[illegible]
A & B Environmental Services, LLC
[illegible] Cobb Ferry Rd.
[illegible], SC 29073
[illegible]

SITE	TICKET #	CELL
01	943484	

WEIGHMASTER: Michelle J.

DATE/TIME IN: 12-10-2014 2:09 PM

DATE/TIME OUT: 12-10-2014

VEHICLE ID: RN [illegible]

DELIVERED BY: [illegible]

BILL OF LADING: [illegible]

SCALE ID: [illegible]
SCALE OPT: [illegible]

GROSS WEIGHT 65,140
TARE WEIGHT 21,480

NET TONS: [illegible]
NET WEIGHT: [illegible]

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
[illegible]	EA	FEE HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
[illegible]	EA	[illegible]					
[illegible]	TN	SW COURT 2011					
1.00		ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE [signature]

RS-F0420PR (07/12)

NET AMOUNT

TENDERED

CHANGE

CHECK#

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204126

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GRAZIO	Paul Grazio (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN 22

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
CARROLL LITTLES		12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12.10.14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142078?

SITE: 01 | TICKET #: 943489 | CELL:
WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 2:34 pm
DATE/TIME OUT: 12-10-2014 2:34 pm
VEHICLE: BN-32
CONTAINER:
REFERENCE: 2204127
BILL OF LADING:

INVOICE

INBOUND

SCALE IN — GROSS WEIGHT 59,380
SCALE OUT — TARE WEIGHT 24,000
NET TONS 17.69
NET WEIGHT 35,380

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.69	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
17.69	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-FM2UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204127

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	01
TICKET #	943494
CELL	
WEIGHMASTER	Michelle J.
DATE/TIME IN	12-10-2014 2:47 pm
DATE/TIME OUT	12-10-2014 2:47 pm
VEHICLE	BN-31
CONTAINER	
REFERENCE	2204128
BILL OF LADING	INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 61,600
TARE WEIGHT 23,540
NET TONS 19.03
NET WEIGHT 38,060
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.03	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
30.00	YD					
19.03	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE _____

RS-FM2UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204128

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN 31

c. Driver Name (Print)	d. Signature	e. Date
X RN GRIFFITH	X RN Griffith	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	01
TICKET #	943495
CELL	
WEIGHMASTER	Michelle J.
DATE/TIME IN	12-10-2014 2:49 pm
DATE/TIME OUT	12-10-2014 2:49 pm
VEHICLE	BN-702
CONTAINER	
REFERENCE	2204129
	INVOICE
BILL OF LADING	

SCALE IN
SCALE OUT

GROSS WEIGHT 60,320
TARE WEIGHT 26,640
NET TONS 16.84
NET WEIGHT 33,680

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.84	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
16.84	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204129

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
BN 702
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	K Byrnes	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12.10.14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110420787

SITE 01 | TICKET # 943499 | CELL
WEIGHMASTER Michelle J.
DATE/TIME IN 12-10-2014 2:59 pm
DATE/TIME OUT 12-10-2014 2:59 pm
VEHICLE NE-5308
CONTAINER
REFERENCE 220413
BILL OF LADING

INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 70,760
TARE WEIGHT 27,400
NET TONS 21.68
NET WEIGHT 43,360

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
21.68	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL					
21.68	TN	ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					
1.00							

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204130

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

b. Phone: 5308

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Lastinger	X Jeff Lastinger	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

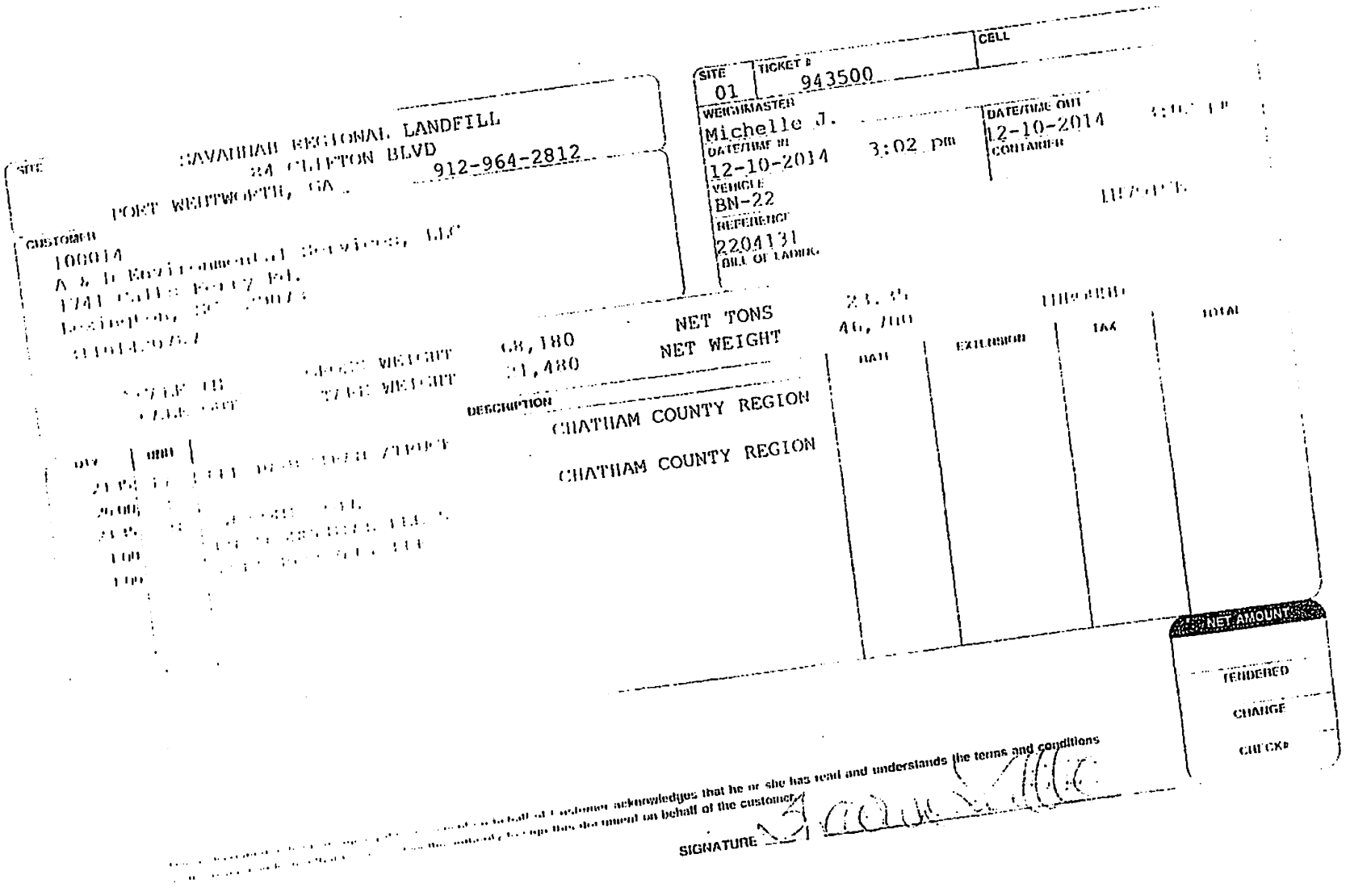
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SITE: SAVANNAH REGIONAL LANDFILL
24 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & B Environmental Services, LLC
1741 Calls Ferry Rd.
Lexington, SC [illegible]
[illegible]

SITE	TICKET #	CELL
01	943500	

WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 3:02 pm
DATE/TIME OUT: 12-10-2014 [illegible]
VEHICLE: BN-22
CONTAINER:
REFERENCE: 2204131
BILL OF LADING:

[illegible]	GROSS WEIGHT	68,180	NET TONS	23.[illegible]	[illegible]
[illegible]	TARE WEIGHT	21,480	NET WEIGHT	46,700	

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
[illegible]	[illegible]	CHATHAM COUNTY REGION				
[illegible]	[illegible]	CHATHAM COUNTY REGION				
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]	[illegible]					
[illegible]	[illegible]					

NET AMOUNT
TENDERED
CHANGE
CHECK#

[illegible] behalf of customer acknowledges that he or she has read and understands the terms and conditions [illegible] this document on behalf of the customer.

SIGNATURE [signature]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204131

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 22

c. Driver Name (Print)	d. Signature	e. Date
K Shadrael Littles	K Shadrael Littles	12/9/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	01
TICKET #	943504
CELL	
WEIGHMASTER	Michelle J.
DATE/TIME IN	12-10-2014 3:22 pm
DATE/TIME OUT	12-10-2014 3:22 pm
VEHICLE	BN-32
CONTAINER	
REFERENCE	2204132
BILL OF LADING	INVOICE

SCALE IN GROSS WEIGHT 60,120 NET TONS 18.06
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 36,120 INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.06	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
18.06	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204132

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent for Generator Store)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SCALE IN	GROSS WEIGHT	63,120	NET TONS 18.40
SCALE OUT	TARE WEIGHT	26,320	NET WEIGHT 36,800

SITE	TICKET #	CELL
01	943505	

WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 3:24 pm
DATE/TIME OUT: 12-10-2014 3:24 pm
CONTAINER:
VEHICLE: BN-30
REFERENCE: 2204133
BILL OF LADING:

INVOICE

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.40	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
18.40	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS 1042PR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204133

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo AS Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN30

c. Driver Name (Print)	d. Signature	e. Date
Willie Lamar K		12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943505	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 3:24 pm	12-10-2014 3:24 pm

VEHICLE	CONTAINER
BN-30	

REFERENCE: 2204133 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	63,120	NET TONS	18.40
SCALE OUT	TARE WEIGHT	26,320	NET WEIGHT	36,800

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.40	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
18.40	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204134

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN 28

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
K J. C. Hall	K J. C. Hall	K 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943507	

WEIGHMASTER
Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 3:32 pm	12-10-2014 3:32 pm

VEHICLE	CONTAINER
BN-31	

REFERENCE
2204135 INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	63,160	NET TONS	19.81
SCALE OUT	TARE WEIGHT	23,540	NET WEIGHT	39,620

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.81	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
30.00	YD						
19.81	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE _____

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204135

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (BR Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BV 31

c. Driver Name (Print)	d. Signature	e. Date
X B.N GRIFFITH	X	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110420787

SCALE IN
SCALE OUT

GROSS WEIGHT 60,680
TARE WEIGHT 26,640
NET TONS 17.02
NET WEIGHT 34,040

SITE	TICKET #
01	943508

WEIGHMASTER: Michelle J.
CELL:
DATE/TIME IN: 12-10-2014 3:40 pm
DATE/TIME OUT: 12-10-2014 3:40 pm
VEHICLE: BN-702
CONTAINER:
REFERENCE: 2204136
BILL OF LADING:

INVOICE

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.02	EA	FEE-HAUL/TRANS/TRUCK					
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION				
17.02	TN	ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE	CHATHAM COUNTY REGION				
1.00							

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE K. Bryan

RS F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204136

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&B Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

RN 707-

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
Kevin Binns	Kevin Binns	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	01
TICKET #	943509
CELL	
WEIGHMASTER	Michelle J.
DATE/TIME IN	12-10-2014 3:43 PM
DATE/TIME OUT	12-10-2014 3:43 PM
VEHICLE	NE-5308
CONTAINER	
REFERENCE	2204137
BILL OF LADING	INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 70,980
TARE WEIGHT 27,400
NET TONS 21.79
NET WEIGHT 43,580
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.79	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
21.79	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE Jeff Lasher

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204137

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

15308

c. Driver Name (Print)	d. Signature	e. Date
[illegible] Washington	[illegible] Rawlins	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100033
EMD CHEMICALS, INC.
P.O. BOX 1206
PURCHASE ORDER# 4550153516
3110122443-1

SITE	TICKET #	CELL
01	943513	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 4:01 pm	12-10-2014 4:01 pm

VEHICLE	CONTAINER
RE-03-20	

REFERENCE: 332 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	39,860	NET TONS	2.92
TARE OUT	TARE WEIGHT	34,020	NET WEIGHT	5,840

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	TRACKING QTY				
2.92	TN	SW-FILTER CAKE SAVANNAH				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F0412UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204138

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN 22

c. Driver Name (Print)	d. Signature	e. Date
Sharron Littles	X Sharron Littles	X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943514	

WEIGHMASTER: Michelle J.
DATE/TIME IN: 12-10-2014 4:08 pm
DATE/TIME OUT: 12-10-2014 4:08 pm
VEHICLE: BN-32
CONTAINER:
REFERENCE: 2204139
BILL OF LADING: INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 60,620
TARE WEIGHT 24,000
NET TONS 18.31
NET WEIGHT 36,620
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.31	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
18.31	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F012UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204139

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo AS Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
Clarence Littles	Clarence Littles	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943515	

WEIGHMASTER: Michelle J.

DATE/TIME IN	DATE/TIME OUT
12-10-2014 4:10 pm	12-10-2014 4:10 pm

VEHICLE	CONTAINER
BN-30	

REFERENCE: 2204140

BILL OF LADING: INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 63,060
TARE WEIGHT 26,320
NET TONS 18.37
NET WEIGHT 36,740

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.37	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL					
18.37	TN	ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					
1.00							

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204140

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul G (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
x Orville Cannick	x BN 30	x 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and, to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SCALE IN
SCALE OUT

GROSS WEIGHT 56,240
TARE WEIGHT 22,760
NET TONS 16.74
NET WEIGHT 33,480

SITE	TICKET #
01	943516

WEIGHMASTER: Michelle J.
CELL:
DATE/TIME IN: 12-10-2014 4:12 pm
DATE/TIME OUT: 12-10-2014 4:12 pm
VEHICLE: BN-28
CONTAINER:
REFERENCE: 2204141
BILL OF LADING:

INVOICE

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
16.74	EA	FEE-HAUL/TRANS/TRUCK					
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION				
16.74	TN	ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					
1.00							

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE J. C. Hall

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204141

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-28

c. Driver Name (Print)	d. Signature	e. Date
J. C. Hall	J. C. Hall	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	01
TICKET #	943518
CELL	
WEIGHMASTER	Michelle J.
DATE/TIME IN	12-10-2014 4:17 pm
DATE/TIME OUT	12-10-2014 4:17 pm
CONTAINER	
VEHICLE	BN-31
REFERENCE	INVOICE
BILL OF LADING	2204142

SCALE IN
SCALE OUT
GROSS WEIGHT 60,880
TARE WEIGHT 23,540
NET TONS 18.67
NET WEIGHT 37,340
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.67	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
30.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
18.67	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204142

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:
h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZO	(As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN31

c. Driver Name (Print)	d. Signature	e. Date
X R N Griffith	X R N Griffith	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
& D Environmental Services, LLC
11 Calks Ferry Rd.
Lexington, SC 29073
1101420787

SITE 01
TICKET # 94[illegible]
WEIGHMASTER Michelle J.
DATE/TIME IN 12-10-2014 4:24 PM
VEHICLE BN-702
REFERENCE 2204143
BILL OF LADING

CELL

DATE/TIME OUT 12-10-2014 4:24 PM
CONTAINER

INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 61,840
TARE WEIGHT 26,640
NET TONS 17.60
NET WEIGHT 35,200

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.60	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION				
17.60	TN	ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
1.00							

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204143

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	(As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 70L

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	K Byrnes	12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clinton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/10/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943528	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 7:30 am	12-11-2014 7:30 am

VEHICLE: BN-32
CONTAINER:
REFERENCE: 2204144
INVOICE
BILL OF LADING:

SCALE IN	GROSS WEIGHT	58,820	NET TONS	17.41
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	34,820

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.41	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
17.41	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204144

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Bell Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
x Clarence Littles	x Clarence Littles	x 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/11/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
94 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
A & E Environmental Services, LLC
[illegible] Talks Ferry Rd.
Lexington, SC 29073
[illegible]

SITE	TICKET #	CELL
01	943529	

WEIGHTMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 7:38 am	12-11-2014 7:38 am

VEHICLE: NE-5308
CONTAINER:
REFERENCE: 2204146
BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	[illegible],820	NET TONS	22.21	
SCALE OUT	TARE WEIGHT	2[illegible],400	NET WEIGHT	44,420	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.21	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	[illegible]					
22.21	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
.00		ENVIRONMENTAL FEE S				
.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE _____

[redacted]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204146

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (AS Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter Name and Address:
D&H Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

5305

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
x [illegible] Lastinger	x [signature]	x 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/11/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943530	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 7:40 am	12-11-2014 7:40 am

VEHICLE	CONTAINER
BN-29	

REFERENCE: 2204145

INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	64,200	NET TONS	20.21
SCALE OUT	TARE WEIGHT	23,780	NET WEIGHT	40,420

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.21	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
25.00	YD						
20.21	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F043UPR (07.12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204145

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	(AS Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN29

c. Driver Name (Print)	d. Signature	e. Date
[illegible]	[signature]	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[signature]	12/11/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943533	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 7:45 am	12-11-2014 7:45 am

VEHICLE	CONTAINER
BN-22	

REFERENCE: 2204147 INVOICE

BILL OF LADING:

SCALE IN / SCALE OUT
GROSS WEIGHT 65,340
TARE WEIGHT 21,480
NET TONS 21.93
NET WEIGHT 43,860
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
21.93	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
21.93	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204147

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Grazio	Paul Grazio (As Agent For Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN - 22

c. Driver Name (Print)	d. Signature	e. Date
x Sharron Littles	x Sharron Littles	x 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/11/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #
01	943534

CELL

WEIGHMASTER: Susan D.
DATE/TIME IN: 12-11-2014 7:48 am
DATE/TIME OUT: 12-11-2014 7:48 am
VEHICLE: BN-702
CONTAINER
REFERENCE: 2204148
BILL OF LADING
INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 64,020
TARE WEIGHT 26,640
NET TONS 18.69
NET WEIGHT 37,380
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.69	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
18.69	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE K. Byrne

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204148

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	(AS AGENT FOR GENERATOR)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BW702

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	K Byrnes	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/11/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943541	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 8:21 am	12-11-2014 8:21 am

VEHICLE	CONTAINER
BN-32	

REFERENCE: 2204149 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	62,240	NET TONS	19.12	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	38,240	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.12	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
19.12	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

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SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIA_ WASTE & ASBESTOS MANIFEST

2204149

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gay 220	Paul Gay (As Agent for Generator)	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
x Clarence Littles	x Clarence Littles	x 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/11/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110420787

SITE	TICKET #	CELL
01	943545	

WEIGHMASTER: Susan D.
DATE/TIME IN: 12-11-2014 8:30 am
DATE/TIME OUT: 12-11-2014 8:30 am
VEHICLE: NE-5308
CONTAINER:
REFERENCE: 2204150
BILL OF LADING: INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 71,520
TARE WEIGHT 27,400
NET TONS 22.06
NET WEIGHT 44,120
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.06	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
22.06	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204150

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo AS Agent For Generator	12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

45308

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
x JEFF Lawton	x Jeff Lawton	x 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/11/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943547	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 8:35 am	12-11-2014 8:35 am

VEHICLE	CONTAINER
BN-22	

REFERENCE: 2204001 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	66,240	NET TONS	22.38
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	44,760

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.38	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
22.38	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SP CIAL WASTE & ASBESTOS MANIFEST

2204001

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN22

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Sharron Littles	X [signature]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812		
b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943550	

WEIGHMASTER: Susan D

DATE/TIME IN	DATE/TIME OUT
12-11-2014 8:41 am	12-11-2014 8:41 am

VEHICLE	CONTAINER
BN-29	

REFERENCE: 2204002 INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	63,920	NET TONS	20.07	
SCALE OUT	TARE WEIGHT	23,780	NET WEIGHT	40,140	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.07	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
25.00	YD					
20.07	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

REPUBLIC SERVICES

NON HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204002

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo Its Agent For Generator	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

b. Phone:

DN 29

c. Driver Name (Print)	d. Signature	e. Date
X Jim Owls	X	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943551	

WEIGHMASTER
Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 8:44 am	12-11-2014 8:44 am

VEHICLE	CONTAINER
BN-702	

REFERENCE
2204011 INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	61,480	NET TONS	17.42	
SCALE OUT	TARE WEIGHT	26,640	NET WEIGHT	34,840	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.42	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
17.42	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

K. Bryant

RS 5042UPR (07/12) 2/21 SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204011

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (as agent for generator)	12/13/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN702

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	X K Byrnes	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943559	

WEIGHMASTER: Susan D.
DATE/TIME IN: 12-11-2014 9:14 am
DATE/TIME OUT: 12-11-2014 9:14 am
VEHICLE: BN-32
CONTAINER:
REFERENCE: 2204003
BILL OF LADING:

INVOICE

SCALE IN GROSS WEIGHT 60,580 NET TONS 18.29
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 36,580

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.29	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
18.29	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204003

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gilpin	Paul Gilpin (as Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X. Clarence Littles	X Clarence Littles	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943561	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 9:18 am	12-11-2014 9:18 am

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204004 INVOICE

BILL OF LADING

SCALE IN / SCALE OUT
GROSS WEIGHT 72,900 NET TONS 22.75
TARE WEIGHT 27,400 NET WEIGHT 45,500
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
22.75	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
22.75	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/21) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204004

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
[illegible]	[illegible]	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:		
Bell Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402 b. Phone:	5305	
c. Driver Name (Print)	d. Signature	e. Date
[illegible]	[illegible]	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943562	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 9:20 am	12-11-2014 9:20 am

VEHICLE: BN-22
CONTAINER:
REFERENCE: 2204005
INVOICE
BILL OF LADING:

SCALE IN / SCALE OUT
GROSS WEIGHT 67,540 — TARE WEIGHT 21,480
NET TONS 23.03 — NET WEIGHT 46,060
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.03	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
23.03	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07-12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204005

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	Paul Gazzo (as agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 22

c. Driver Name (Print)	d. Signature	e. Date
Sharron Lattes	Sharron Lattes	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01 | TICKET #: 943568 | CELL:

WEIGHMASTER: Susan D.
DATE/TIME IN: 12-11-2014 9:38 am
DATE/TIME OUT: 12-11-2014 9:38 am
VEHICLE: BN-29
CONTAINER:
REFERENCE: 2204006
BILL OF LADING: INVOICE

SCALE IN — GROSS WEIGHT 66,460 — NET TONS 21.34 — INBOUND
SCALE OUT — TARE WEIGHT 23,780 — NET WEIGHT 42,680

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.34	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
25.00	YD	SW-CON'T SOIL CHATHAM COUNTY REGION				
21.34	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204006

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	(Without Forklift)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Dean Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 29

c. Driver Name (Print)	d. Signature	e. Date
Tim Davis		12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142078?

SITE	TICKET #	CELL
01	943571	

WEIGHMASTER: Susan D.
DATE/TIME IN: 12-11-2014 9:46 am
DATE/TIME OUT: 12-11-2014 9:46 am
VEHICLE: BN-702
CONTAINER:
REFERENCE: 2204007
BILL OF LADING:

INVOICE

SCALE IN GROSS WEIGHT 64,540 NET TONS 18.95 INBOUND
SCALE OUT TARE WEIGHT 26,640 NET WEIGHT 37,900

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.95	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
18.95	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE K. Bynum

2/21

RS-F042UPR (07/13)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204007

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	[signature] (As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 702

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	K. Byrnes	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943574	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 9:57 am	12-11-2014 9:57 am

VEHICLE: BN-32
CONTAINER:
REFERENCE: 2204008 INVOICE
BILL OF LADING:

SCALE IN	GROSS WEIGHT	64,080	NET TONS	20.04
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	40,080

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.04	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
20.04	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204008

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Phil Oatts	(As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.954.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943576	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 10:02 am	12-11-2014 10:02 am

VEHICLE	CONTAINER
BN-22	

REFERENCE: 2204009 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	68,480	NET TONS	23.50
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	47,000

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
23.50	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
23.50	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204009

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gatto	(Authorized Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN22

c. Driver Name (Print)	d. Signature	e. Date
Darrell Littles		12/4/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943583	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 10:20 am	12-11-2014 10:20 am

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204010 INVOICE

BILL OF LADING:

SCALE IN / SCALE OUT
GROSS WEIGHT 76,720 TARE WEIGHT 27,400 NET TONS 24.66 NET WEIGHT 49,320
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
24.66	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
24.66	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204010

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	[signature] (as agent for generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

b. Phone:

S308

d. Driver Name (Print)	d. Signature	e. Date
[signature]	[signature]	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812		

b.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943587	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 10:32 am	12-11-2014 10:32 am

VEHICLE	CONTAINER
BN-29	

REFERENCE: 2204012 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	68,820	NET TONS	22.52	
SCALE OUT	TARE WEIGHT	23,780	NET WEIGHT	45,040	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
22.52	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
25.00	YD						
22.52	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204012

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	[signature] (as agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN29

c. Driver Name (Print)	d. Signature	e. Date
X Jim Davis	X [signature]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943588	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 10:40 am	12-11-2014 10:40 am

VEHICLE	CONTAINER
BN-702	

REFERENCE: 2204013 INVOICE

BILL OF LADING

SCALE IN GROSS WEIGHT 62,960 NET TONS 18.16
SCALE OUT TARE WEIGHT 26,640 NET WEIGHT 36,320 INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.16	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
18.16	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

K. Byrnes

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204013

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Phil Gazzo	Phil Gazzo AS Agent for Generator	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN707

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	K. Byrnes	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE	TICKET #	CELL
SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812	01 943589	

WEIGHMASTER
Susan D.

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

DATE/TIME IN	DATE/TIME OUT
12-11-2014 10:42 am	12-11-2014 10:42 am

VEHICLE	CONTAINER
BN-32	

REFERENCE
2204014 INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	63,620	NET TONS	19.81	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	39,620	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.81	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
19.81	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE [signature]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204014

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (as agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14 DESTINATION RETURN RS-F11A

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943590	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 10:45 am	12-11-2014 10:45 am

VEHICLE	CONTAINER
BN-22	

REFERENCE: 2204015 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	64,980	NET TONS	21.75	
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	43,500	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.75	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
21.75	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204015

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Grant	Paul Grant (As Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

#72

c. Driver Name (Print)	d. Signature	e. Date
Nathaniel Littles	Nathaniel Littles	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943597 | CELL

WEIGHMASTER Susan D.

DATE/TIME IN 12-11-2014 11:06 am

VEHICLE NE-5308

REFERENCE 2204016

BILL OF LADING

DATE/TIME OUT 12-11-2014 11:06 am

CONTAINER

INVOICE

INBOUND

SCALE IN 69,960 GROSS WEIGHT
SCALE OUT 27,400 TARE WEIGHT
21.28 NET TONS
42,560 NET WEIGHT

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.28	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
21.28	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHARGE
CHECK #

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204016

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
[illegible]	[signature] (As Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&R Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

5308

c. Driver Name (Print)	d. Signature	e. Date
Jeff Lastinger	[signature]	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

SITE

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SCALE IN
SCALE OUT

GROSS WEIGHT 63,060
TARE WEIGHT 23,780

NET TONS 19.64
NET WEIGHT 39,280

SITE 01
TICKET # 943609
CELL
WEIGHMASTER Susan D.
DATE/TIME IN 12-11-2014 12:04 pm
DATE/TIME OUT 12-11-2014 12:04 pm
VEHICLE BN-29
CONTAINER
REFERENCE 220417
BILL OF LADING

INVOICE

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.64	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
25.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
19.64	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

...ized individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions ...e and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES — NON-HAZARD US SPECIAL WASTE & ASBESTOS MANIFEST

2204017

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Phil Gazzo	Phil Gazzo (Consultant for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN-29

c. Driver Name (Print)	d. Signature	e. Date
X Jim Davis	X	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943611 | CELL

WEIGHMASTER Susan D

DATE/TIME IN 12-11-2014 12:08 pm

DATE/TIME OUT 12-11-2014 12:08 pm

CONTAINER

VEHICLE NE-5308

REFERENCE 2204019

BILL OF LADING

INVOICE

SCALE IN GROSS WEIGHT 71,160 NET TONS 21.88 INBOUND
SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 43,760

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.88	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
21.88	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042CPR (9/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204019

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GUZZO	(Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

5308

c. Driver Name (Print)	d. Signature	e. Date
X JEFF Washington	X	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	01	TICKET #	943615
CELL			
WEIGHMASTER	Susan D.		
DATE/TIME IN	12-11-2014 12:20 pm	DATE/TIME OUT	12-11-2014 12:20 pm
VEHICLE	BN-22	CONTAINER	
REFERENCE	2204020		INVOICE
BILL OF LADING			

SCALE IN GROSS WEIGHT 61,480 NET TONS 20.00
SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 40,000 INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
20.00	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204020

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	[signature] (as Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN 22

c. Driver Name (Print)	d. Signature	e. Date
X. Sharron Littles	X [signature]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943616	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 12:23 pm	12-11-2014 12:23 pm

VEHICLE	CONTAINER
BN-32	

REFERENCE: 2204021

BILL OF LADING: INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 63,300
TARE WEIGHT 24,000
NET TONS 19.65
NET WEIGHT 39,300

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.65	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
19.65	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204021

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Phil Gill	(As Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Wayne Littles	X Wayne Littles	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 64 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

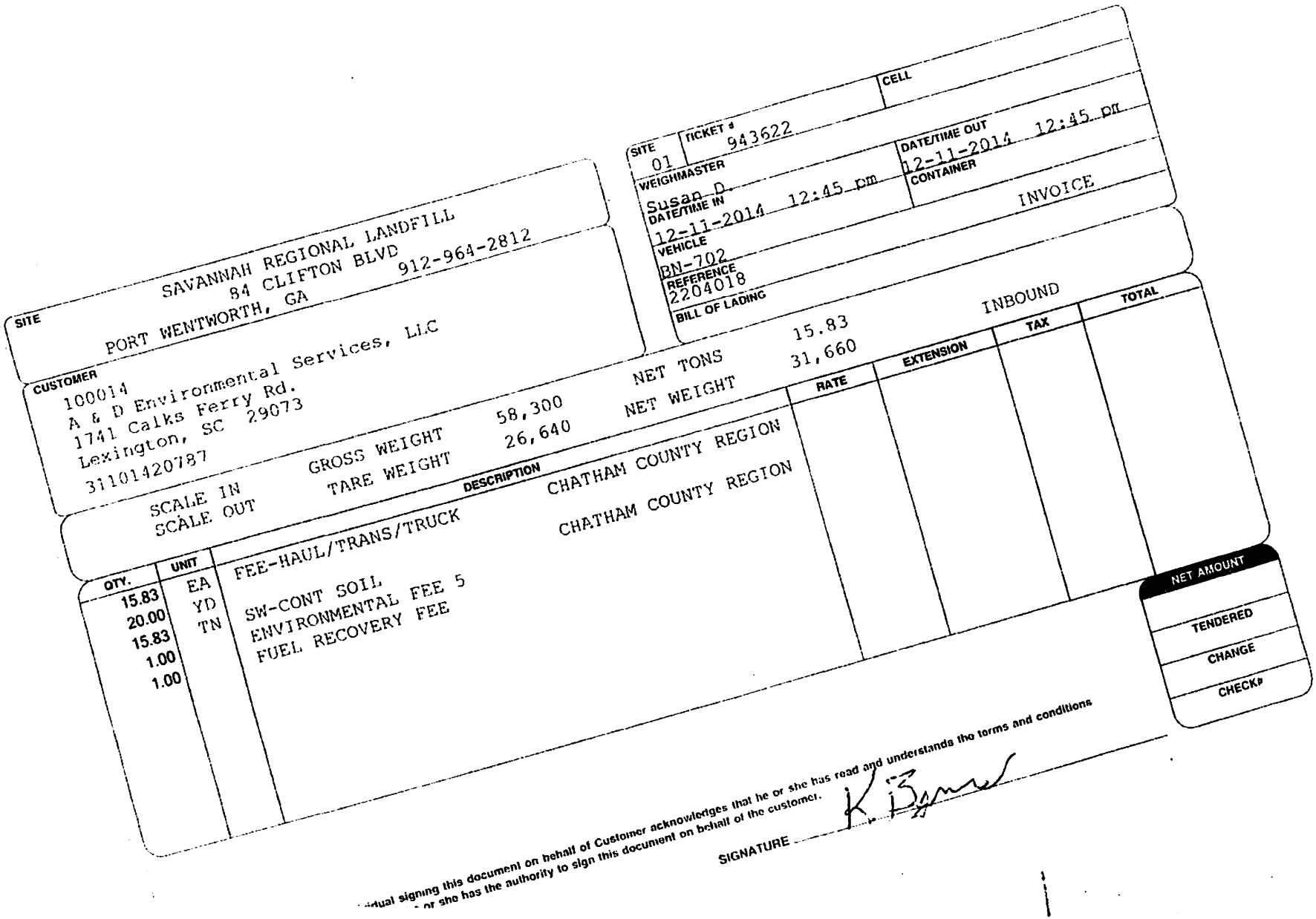
e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142078?

SITE: 01
TICKET #: 943622
CELL:
WEIGHMASTER: Susan D.
DATE/TIME IN: 12-11-2014 12:45 pm
DATE/TIME OUT: 12-11-2014 12:45 pm
VEHICLE: BN-702
CONTAINER:
REFERENCE: 2204018
BILL OF LADING:

INVOICE

SCALE IN — GROSS WEIGHT 58,300 — NET TONS 15.83
SCALE OUT — TARE WEIGHT 26,640 — NET WEIGHT 31,660

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.83	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
15.83	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

...idual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions ... or she has the authority to sign this document on behalf of the customer.

SIGNATURE K. Barnes

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204018

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] 12/10/14 as agent for generator	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN702

c. Driver Name (Print)	d. Signature	e. Date
Kevin Byrnes	[signature]	12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SITE: SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER: 100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01 | TICKET #: 943624 | CELL:
WEIGHMASTER: Susan D.
DATE/TIME IN: 12-11-2014 12:50 pm
DATE/TIME OUT: 12-11-2014 12:50 pm
VEHICLE: BN-29
CONTAINER:
REFERENCE: 2204022
BILL OF LADING:

INVOICE

SCALE IN — GROSS WEIGHT 63,800 — NET TONS 20.01
SCALE OUT — TARE WEIGHT 23,780 — NET WEIGHT 40,020

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.01	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
25.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
20.01	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS F/M2UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204022

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:

h. Owner's Name:

i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo PAUL GAZZO	(AS Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 29

c. Driver Name (Print)	d. Signature	e. Date
X Jim Davis	X	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943628	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 12:57 pm	12-11-2014 12:57 pm

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204023

BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	74,040	NET TONS	23.32
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	46,640

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.32	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
23.32	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204023

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL C. AZZO	(AS Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

c. Driver Name (Print)	d. Signature	e. Date
		12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943629	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 1:02 pm	12-11-2014 1:02 pm

VEHICLE: BN-22
CONTAINER:
REFERENCE: 2204024
BILL OF LADING: INVOICE

SCALE IN / SCALE OUT
GROSS WEIGHT 61,280 — TARE WEIGHT 21,480
NET TONS 19.90 — NET WEIGHT 39,800
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.90	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
19.90	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204024

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (AS Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN 22

c. Driver Name (Print)	d. Signature	e. Date
X Sharon Littles	X [signature]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943640	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 1:47 pm	12-11-2014 1:47 pm

VEHICLE: BN-29
CONTAINER:
REFERENCE: 2204025
INVOICE
BILL OF LADING:

SCALE IN / SCALE OUT
GROSS WEIGHT 64,100
TARE WEIGHT 23,780
NET WEIGHT 40,320
NET TONS 20.16
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.16	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
25.00	YD	CHATHAM COUNTY REGION				
20.16	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204025

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo AS Agent For Generator	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 29

c. Driver Name (Print)	d. Signature	e. Date
X Jim Carr	X	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12.11.14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943642	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 1:52 pm	12-11-2014 1:52 pm

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204026 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	72,220	NET TONS	22.41
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	44,820

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.41	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
22.41	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204026

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
DAVID AZZO	(As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Bell Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

5308

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Hastings	X Jeff Hastings	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943643	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 1:55 pm	12-11-2014 1:55 pm

VEHICLE	CONTAINER
BN-22	

REFERENCE: 2204027 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	65,020	NET TONS	21.77	
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	43,540	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.77	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
21.77	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204027

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	(AS Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN22

c. Driver Name (Print)	d. Signature	e. Date
X [illegible]	X [illegible]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943646	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 2:08 pm	12-11-2014 2:08 pm

VEHICLE	CONTAINER
BN-702	

REFERENCE: 2204028

BILL OF LADING: INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 62,120
TARE WEIGHT 26,640
NET TONS 17.74
NET WEIGHT 35,480

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.74	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
17.74	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE K. Bunn

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204028

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
[illegible] GA 220	[illegible] (as Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN 702

c. Driver Name (Print)	d. Signature	e. Date
X Kevin Byrnes	X [illegible]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[illegible]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943652	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 2:34 pm	12-11-2014 2:34 pm

VEHICLE	CONTAINER
BN-29	

REFERENCE: 2204030 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	65,160	NET TONS	20.69
SCALE OUT	TARE WEIGHT	23,780	NET WEIGHT	41,380

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.69	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
25.00	YD	CHATHAM COUNTY REGION				
20.69	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES — NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204030

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	Paul Gazzo (As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN 29

c. Driver Name (Print)	d. Signature	e. Date
X Jim Davis	X	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943659	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 3:02 pm	12-11-2014 3:02 pm

VEHICLE	CONTAINER
BN-32	

REFERENCE: 2204033 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	63,420	NET TONS	19.71	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	39,420	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.71	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
19.71	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-5642UDR (07 '2)

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204033

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (AS Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32-

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Little	X Clarence Little	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110420787

SITE	TICKET #	CELL	
01	943654		
WEIGHMASTER		DATE/TIME OUT	
Susan D.		12-11-2014 2:46 PM	
DATE/TIME IN		CONTAINER	
12-11-2014 2:46 pm			
VEHICLE			
NE-5308			
REFERENCE			
2204032			
BILL OF LADING			

INVOICE

SCALE IN GROSS WEIGHT 71,760 NET TONS 22.18
SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 44,360

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.18	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
22.18	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204032

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazzo	[signature] (As Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

5308

c. Driver Name (Print)	d. Signature	e. Date
X [signature]	X [signature]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SEMANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

Environmental Services, LLC
Alms Ferry Rd.
Tom, SC 29173

SITE	TICKET #	CELL
01	943657	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 2:53 pm	12-11-2014 2:53 pm

VEHICLE: BN-22

CONTAINER:

REFERENCE: 2204031

BILL OF LADING:

INVOICE

[illegible]	GROSS WEIGHT	62,840	NET TONS	20.68
[illegible]	TARE WEIGHT	21,480	NET WEIGHT	41,360

INBOUND

DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
[illegible] FEE-HAUL TRANS TRUCK	CHATHAM COUNTY REGION				
[illegible]	CHATHAM COUNTY REGION				
[illegible]					
[illegible]					
[illegible]					
[illegible]					
[illegible]					

NET AMOUNT

TENDERED

CHANGE

CHECK

[illegible] individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions [illegible] side and that he or she has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE [signature]

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204031

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
[illegible]	[signature] (As Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

~~5305~~ Pt BN22

c. Driver Name (Print)	d. Signature	e. Date
X [illegible]	X [signature]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943661	

WEIGHMASTER: Susan D

DATE/TIME IN	DATE/TIME OUT
12-11-2014 3:22 pm	12-11-2014 3:22 pm

VEHICLE: BN-29
CONTAINER:
REFERENCE: 2204034
BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	63,960	NET TONS	20.09
SCALE OUT	TARE WEIGHT	23,780	NET WEIGHT	40,180

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.09	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
25.00	YD					
20.09	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07.12)

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204034

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31406 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gatto	Paul Gatto (As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN29

c. Driver Name (Print)	d. Signature	e. Date
Tim Rowe		12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943665	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 3:34 pm	12-11-2014 3:34 pm

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204035 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	73,660	NET TONS	23.13	
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	46,260	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.13	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
23.13	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
h. If the generating facility differs from the generator, provide:	
j. Owner's Name	i. Owner's Phone No.:

k. Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420737		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
[illegible]	[signature]	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:		
B&N Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone 912.412.2402	5305	
c. Driver Name (Print)	d. Signature	e. Date
[illegible]	[signature]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 54 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

There is certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943666	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 3:42 pm	12-11-2014 3:42 pm

VEHICLE	CONTAINER
BN-22	

REFERENCE: 2204036 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	64,720	NET TONS	21.62	
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	43,240	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.62	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
21.62	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204036

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN22

c. Driver Name (Print)	d. Signature	e. Date
X. Sharron Littles	X Sharron Littles	X [signature] 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943667	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 3:46 pm	12-11-2014 3:46 pm

VEHICLE	CONTAINER
BN-32	

REFERENCE: 2204037 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	62,340	NET TONS	19.17	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	38,340	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.17	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
19.17	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL ~~WASTE~~ & ASBESTOS MANIFEST

2204037

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GATES	(As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Warren Littles	X Warren Littles	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
DD	DD	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943647	

WEIGHMASTER: Susan D

DATE/TIME IN	DATE/TIME OUT
12-11-2014 2:09 pm	12-11-2014 2:09 pm

VEHICLE	CONTAINER
BN-32	

REFERENCE: 2204029 INVOICE

BILL OF LADING

SCALE IN / SCALE OUT

GROSS WEIGHT 64,400 — TARE WEIGHT 24,000 — NET TONS 20.20 — NET WEIGHT 40,400

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.20	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
20.20	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204029

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (as agent for Generator)	12/12/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littler	X Clarence Littler	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943670	

WEIGHMASTER: Susan D.
DATE/TIME IN: 12-11-2014 4:05 PM
DATE/TIME OUT: 12-11-2014 4:05 PM
VEHICLE: BN-29
CONTAINER:
REFERENCE: 2204038
BILL OF LADING:
INVOICE

SCALE IN GROSS WEIGHT 59,440 NET TONS 17.83 INBOUND
SCALE OUT TARE WEIGHT 23,780 NET WEIGHT 35,660

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.83	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
25.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
17.83	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-F042UPR (07/12)

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204038

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	(As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&H Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN29

c. Driver Name (Print)	d. Signature	e. Date
X Jim Davis	X	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943673	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-11-2014 4:20 pm	12-11-2014 4:20 pm

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204039

BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	72,200	NET TONS	22.40
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	44,800

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.40	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
22.40	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F0420PR (07/12) 2/21

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204039

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:
h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (AS Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

5308

c. Driver Name (Print)	d. Signature	e. Date
X [signature]	X [signature]	X 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2842		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-11-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:

c. Responsible Agency Name and Address:
d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 TICKET # 943681
CELL
WEIGHMASTER Susan D.
DATE/TIME IN 12-12-2014 7:28 am
DATE/TIME OUT 12-12-2014 7:28 am
VEHICLE BN-22
CONTAINER
REFERENCE 2204040
BILL OF LADING INVOICE

SCALE IN GROSS WEIGHT 62,660 NET TONS 20.59
SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 41,180 INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.59	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
20.59	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204040

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GHAZI	(As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Bell Trucking
1027 Bacon Road
Hinesville, GA 31313

b. Phone: 912.412.2402

BN 22

c. Driver Name (Print)	d. Signature	e. Date
X Sharon Gittles	X Sharon Gittles	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/12/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943682	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 7:30 am	12-12-2014 7:30 am

VEHICLE	CONTAINER
BN-32	

REFERENCE: 2204041 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	60,540	NET TONS	18.27	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	36,540	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.27	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
18.27	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204041

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:

If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GRIZZO	Paul Grizzo (As Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Little	X Clarence Little	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110142078?

SITE: 01 | TICKET #: 943684 | CELL:
WEIGHMASTER: Susan D.
DATE/TIME IN: 12-12-2014 7:39 am
DATE/TIME OUT: 12-12-2014 7:39 am
VEHICLE: NE-5308
CONTAINER:
REFERENCE: 2204042
INVOICE
BILL OF LADING:

SCALE IN
SCALE OUT
GROSS WEIGHT 72,200
TARE WEIGHT 27,400
NET TONS 22.40
NET WEIGHT 44,800
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.40	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
22.40	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

RS-[illegible]

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943692 | CELL

WEIGHMASTER
Susan D.

DATE/TIME IN
12-12-2014 8:26 am

DATE/TIME OUT
12-12-2014 8:26 am

VEHICLE
BN-32

CONTAINER

REFERENCE
220043

BILL OF LADING

INVOICE

SCALE IN GROSS WEIGHT 60,860
SCALE OUT TARE WEIGHT 24,000
NET WEIGHT 36,860

NET TONS 18.43

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.43	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
18.43	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204043

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul Gazo	Paul Gazo (As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32-

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/17/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-17-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943697	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 8:37 am	12-12-2014 8:37 am

VEHICLE: BN-22
CONTAINER:
REFERENCE: 2204044
BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	64,900	NET TONS	21.71
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	43,420

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
21.71	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
21.71	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204044

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN22

c. Driver Name (Print)	d. Signature	e. Date
X Sharron Littles	X Sharron Littles	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

01 943703

Susan D.

12-12-2014 8:59 am 12-12-2014 8:59 am

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

NE-5308
2204045

INVOICE

SCALE IN	GROSS WEIGHT	72,460	NET TONS	22.53	
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	45,060	INBOUND

22.53	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION
20.00	YD		
22.53	TN	SW-CONT SOIL	CHATHAM COUNTY REGION
1.00		ENVIRONMENTAL FEE 5	
1.00		FUEL RECOVERY FEE	

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204045

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL CRAZE	[signature] (As Agent for Generator)	12/12/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

5308

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Lastinger	X Jeff Lastinger	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/12/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943707	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 9:11 am	12-12-2014 9:11 am

VEHICLE: BN-32
CONTAINER:
REFERENCE: 2204046
BILL OF LADING: INVOICE

SCALE IN
SCALE OUT
GROSS WEIGHT 62,780
TARE WEIGHT 24,000
NET TONS 19.39
NET WEIGHT 38,780
INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.39	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
19.39	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5	CHATHAM COUNTY REGION				
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS FORM[illegible] (7/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204046

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	Paul Gazzo (As Agent For Generator)	12/12/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Bell Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

b. Phone:

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

SITE

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3110120787

SCALE IN
SCALE OUT

GROSS WEIGHT 64,420
TARE WEIGHT 21,480

NET TONS 21.47
NET WEIGHT 42,940

SITE 01
TICKET # 943713
CELL
WEIGHMASTER Susan D.
DATE/TIME IN 12-12-2014 9:21 am
DATE/TIME OUT 12-12-2014 9:21 am
VEHICLE BN-22
CONTAINER
REFERENCE 2204047
BILL OF LADING

INVOICE

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.47	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD	SW-CONT SOIL CHATHAM COUNTY REGION				
21.47	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECK#

SIGNATURE

2021

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

220447

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GOMEZ	AS Agent For Generator	12/12/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 22

c. Driver Name (Print)	d. Signature	e. Date
X Shaelon Littles	X	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/12/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943721	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 9:45 am	12-12-2014 9:45 am

VEHICLE: NE-5308
CONTAINER:
REFERENCE: 2204048 INVOICE
BILL OF LADING:

SCALE IN	GROSS WEIGHT	72,980	NET TONS	22.79
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	45,580

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
22.79	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
22.79	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204048

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GOMEZ	(AS Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

b. Phone:

5308

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Hastings	X Jeff Hastings	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943725	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 9:53 am	12-12-2014 9:53 am

VEHICLE	CONTAINER
BN-32	

REFERENCE: 2204049 INVOICE

BILL OF LADING

SCALE IN	GROSS WEIGHT	62,340	NET TONS	19.17
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	38,340

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.17	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
19.17	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE Marianne L

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204043

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GRIFFIN	(As Agent For Generator)	12/12/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation.

renovation operation of both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943727	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 10:01 am	12-12-2014 10:01 am

VEHICLE: BN-22
CONTAINER:
REFERENCE: 2204050 INVOICE
BILL OF LADING:

SCALE IN	GROSS WEIGHT	64,480	NET TONS	21.50
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	43,000

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
21.50	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
21.50	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this [illegible] acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204050

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518
f. Phone:	g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1		Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL C. HAZEL	Paul Hazel (As Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402

BN 22

b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
X Shallon Littles	X Shallon Littles	12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/12/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: 01 | TICKET #: 943739 | CELL:
WEIGHMASTER: Susan D.
DATE/TIME IN: 12-12-2014 10:35 am | DATE/TIME OUT: 12-12-2014 10:35 am
VEHICLE: BN-32 | CONTAINER:
REFERENCE: 2204051 | INVOICE
BILL OF LADING:

SCALE IN	GROSS WEIGHT	61,300	NET TONS	18.65	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	37,300	INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.65	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
0.00	YD						
18.65	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE Clarence L

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204051

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GATTO	Paul Gatto HS Agent For Generator	12/16/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Little	X Clarence Little	X 12/16/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 54 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12/16/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 | TICKET # 943746 | CELL

WEIGHMASTER Susan D.

DATE/TIME IN 12-12-2014 10:47 am

DATE/TIME OUT 12-12-2014 10:47 am

CONTAINER

VEHICLE BN-22

REFERENCE 2204052

BILL OF LADING

INVOICE

SCALE IN	GROSS WEIGHT	62,940	NET TONS	20.73
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	41,460

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.73	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
20.73	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204052

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (As agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN22

c. Driver Name (Print)	d. Signature	e. Date
X Sharron Littles	X Sharron Littles	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943751	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 10:58 am	12-12-2014 10:58 am

VEHICLE: NE-5308
CONTAINER:
REFERENCE: 2204053
BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	73,460	NET TONS	23.03	
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	46,060	INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
23.03	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
23.03	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2104053

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL CHAZO	Paul Chazo As Agent For Generator	12/16/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

5305

c. Driver Name (Print)	d. Signature	e. Date
X	X	X 12/17/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943764	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 11:58 am	12-12-2014 11:58 am

VEHICLE: BN-32
CONTAINER:
REFERENCE: 2204054 INVOICE
BILL OF LADING:

SCALE IN / SCALE OUT
GROSS WEIGHT 61,840 TARE WEIGHT 24,000 NET TONS 18.92 NET WEIGHT 37,840
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.92	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
18.92	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204054

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:
h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (AS Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

BN 32

c. Driver Name (Print)	d. Signature	e. Date
X Clarence Littles	X Clarence Littles	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	[signature]

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:
b. Phone:

c. Responsible Agency Name and Address:
d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 TICKET # 943765

CELL

WEIGHMASTER
Susan D.

DATE/TIME IN
12-12-2014 12:05 pm

DATE/TIME OUT
12-12-2014 12:05 pm

VEHICLE
BN-22

CONTAINER

REFERENCE
2204055

INVOICE

BILL OF LADING

SCALE IN GROSS WEIGHT 63,480 NET TONS 20.70
SCALE OUT TARE WEIGHT 22,080 NET WEIGHT 41,400

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.70	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
20.70	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204055

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:
h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Paul GAZZO	[signature] (as Agent for Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN 22

c. Driver Name (Print)	d. Signature	e. Date
X Sharron Littles	X Sharron Littles	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943767	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 12:11 pm	12-12-2014 12:11 pm

VEHICLE	CONTAINER
NE-5308	

REFERENCE: 2204056 INVOICE

BILL OF LADING:

SCALE IN	GROSS WEIGHT	71,920	NET TONS	22.26	
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	44,520	INBOUND

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.26	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
20.00	YD					
22.26	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204056

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:
h. Owner's Name:
i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil 1	Dump		Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] (AS Agent For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
912.412.2402
b. Phone:

5308

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Lastinger	X [signature]	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943775	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 12:59 pm	12-12-2014 12:59 pm

VEHICLE: NE-5308
CONTAINER:
REFERENCE: 2204332
BILL OF LADING: INVOICE

SCALE IN	GROSS WEIGHT	73,200	NET TONS	22.90	
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	45,800	INBOUND

QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
22.90	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
22.90	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204332

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:
Rheem Manufacturing Company
139 Brampton Road
Savannah, GA 31408
f. Phone:

e. Generator's Mailing Address:
A&D Environmental Services, LLC
4943 Austin Park Avenue
Buford, GA 30518
g. Phone:

If owner of the generating facility differs from the generator, provide:

h. Owner's Name:

i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420737		Non-Regulated Soil	1	Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	[signature] Las Agent for Generator	12/12/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

5308

c. Driver Name (Print)	d. Signature	e. Date
X Jeff Lastinger	X [signature]	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 34 Clifton Blvd Port Wentworth, GA 31407 912.964.2812		

b.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[signature]	[signature]	12-12-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RC-F11A

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE TICKET # 01 943776

CELL

WEIGHTMASTER Susan D.

DATE/TIME IN 12-12-2014 1:01 pm

DATE/TIME OUT 12-12-2014 1:01 pm

VEHICLE BN-22

CONTAINER

REFERENCE 2204331

INVOICE

BILL OF LADING

SCALE IN GROSS WEIGHT 65,440 NET TONS 21.98
SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 43,960

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
21.98	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
21.98	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204331

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31405 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil		Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
[illegible]	[illegible]	12/12/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hineaville, GA 31313
b. Phone: 912.412.2402

BN 22

c. Driver Name (Print)	d. Signature	e. Date
Sharron Littles	[signature]	12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 34 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2612		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
[illegible]	[signature]	12/12/14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	01
TICKET #	943785
CELL	
WEIGHMASTER	Susan D.
DATE/TIME IN	12-12-2014 1:45 pm
DATE/TIME OUT	12-12-2014 1:45 pm
VEHICLE	NE-5308
CONTAINER	
REFERENCE	2204333
BILL OF LADING	

INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 71,360
TARE WEIGHT 27,400
NET TONS 21.98
NET WEIGHT 43,960

INBOUND

QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
21.98	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
20.00	YD						
21.98	TN	SW-CONT SOIL	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE Jeff Faulk

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204333

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil		Dump		Tons

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

PAUL GAZZO	[signature] As Agent For Generator	12/12/14
p. Generator Authorized Agent Name (Print)	q. Signature	r. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
5308
b. Phone: 912.412.2402

X Jeff Lastinger	X Jeffrey Lastinger	X 12/12/14
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 24 Clifton Blvd Port Wentworth, GA 31407 912.964.2812 b.		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[signature]	[signature]	12-12-14
e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943787	

WEIGHMASTER: Susan D.

DATE/TIME IN	DATE/TIME OUT
12-12-2014 1:52 pm	12-12-2014 1:52 pm

VEHICLE: BN-32
CONTAINER:
REFERENCE: 2204057
BILL OF LADING: INVOICE

SCALE IN / SCALE OUT
GROSS WEIGHT 59,540 — TARE WEIGHT 24,000
NET TONS 17.77 — NET WEIGHT 35,540
INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.77	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION				
0.00	YD					
17.77	TN	SW-CONT SOIL CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F041UPR (07.13) 2/21

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204057

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:	A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:
If owner of the generating facility differs from the generator, provide:	
h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1	Dump	Tons	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, If this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
PAUL GAZZO	For (Assigned For Generator)	12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
B&N Trucking
1027 Bacon Road
Hinesville, GA 31313
b. Phone: 912.412.2402

BN32

c. Driver Name (Print)	d. Signature	e. Date
Clarence Littles	X Clarence Littles	X 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Savannah Regional Industrial Landfill 34 Clifton Blvd b. Port Wentworth, GA 31407 912.964.2812		

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		12-10-14

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both