



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.
2677 Buford Hwy., NE
Atlanta, Georgia**

May 2, 2016

Amec Foster Wheeler Project No. 6121-09-0220

May 2, 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:

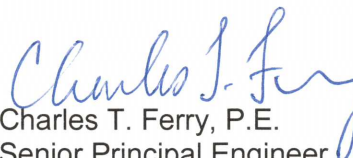
On behalf of Dale Hendrix, Sr., Trustee under Trust for Benefit of Brenda Heisey, and Rheem Manufacturing Company, Amec Foster Wheeler Environment & Infrastructure, Inc. respectfully submits this Voluntary Remediation Plan Compliance Status Report (CSR) for the subject property in the Georgia Voluntary 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
Ms. Barbara Ann Cook, 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 4 RRS with controls for VOCs in soil and the Type 5 RRS for all constituents in groundwater subject to the execution of an Environmental Covenant.

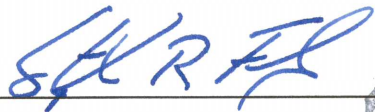
The McDonald Ventures property complies with the Type 2 RRS mean for lead in soil. The McDonald Ventures property complies with Type 1 or 2 RRS for all constituents in groundwater.

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.

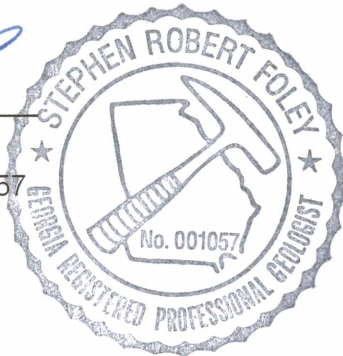

By Mr. L. Dale Hendrix Trustee for F/B/O Brenda Heisey May 2 2016 Date

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 Augusta 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 1.21 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) = 1.21 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).

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.

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.

5.3 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 10.5, 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.

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 Savannah 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.

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 through 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 ($\mu\text{g/L}$) which is slightly above the default Type 1 RRS and MCL of 7 $\mu\text{g/L}$. 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 from this well during the 2015 monitoring event.

6.5 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

Sample ID	Sample Date	Result (mg/kg)	Sample ID	Sample Date	Result (mg/kg)
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, is in place which requires all property which has access to public water supply 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 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 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 Figure 9.

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 known parameters such as hydraulic conductivity and hydraulic gradient 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 D-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. Based on an initial release 49 years ago (1967), as illustrated on

the model outputs in Appendix D, the current model predicts the groundwater plume conditions for PCE, TCE, DCE and vinyl chloride over the next 50 years.

Sensitivity analysis of each of the BIOCHLOR model input parameters was performed by increasing and decreasing their baseline values for the calibrated model: hydraulic conductivity. The results of the analysis are shown in Table D-2 for monitoring well EW-7 which is the point of demonstration well for the groundwater plume. This well is adjacent to 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 D-2 shows that the model is most sensitive to changes in hydraulic conductivity, hydraulic gradient and the first-order decay constants rate. Table D-2 demonstrates that the baseline model input parameters provide the best overall match for the observed conditions in the point of demonstration well.

As shown on the Biochlor outputs, the predicted concentrations are well below the Georgia In-stream Water Quality Standards at the Dundee Canal and slightly exceed the default Type 1 RRS for TCE at the point of demonstration well EW-7. CVOCs, including TCE, are not predicted to reach Dundee Canal above their respective In-Stream Water Quality Standards.

In order to further evaluate the potential future impact of the VOC plume, the model run was extended into the future to the point at which the plume's maximum concentrations were predicted to intersect Dundee Canal. These values, along the respective In-Stream Water Quality Standards (ISWQS) are presented in Tables D-3 and D-4. In summary, the maximum concentration of PCE is predicted to reach the canal approximately 20 years from now, at a concentration of 2.0 µg/L. TCE is predicted to reach its maximum concentration of 10 µg/L approximately 30 years from now. DCE is predicted to reach its maximum concentration of 1 µg/L approximately 20 years from now. Vinyl chloride is not expected to reach the canal above a concentration of 1 µg/L. These predicted dates correspond to approximately 70 to 80 years following the assumed initial release date. Output sheets for the CVOCs at their predicted maximum extent are also included in Appendix D.

Based on current model inputs, the concentration of VOCs in EW-7 should currently be at or near their maximum values and are expected to stabilize and then steadily decline from this point forward, allowing for minor fluctuations. Based on the model predictions for the next 50 years,

the groundwater plume will not impact the Dundee Canal at concentrations above the ISWQS and should decrease to a concentration at the EW-7 point of demonstration below the default Type 1 RRS within approximately 20 years.

To further analyze the potential effects of the plume, another iteration of the model was run whereby the starting concentration of PCE was increased to the point at which the ISWQS would be exceeded where the plume intersects the canal. Note that this represents a worst-case scenario as such a condition would not result in the ISWQS 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. The model predicts that an initial concentration of 3,600 µg/L will not result in an exceedance of the ISWQS for PCE at the canal. This concentration is twice the historically highest PCE concentration detected on the Property to date (nearly 20 years ago) and is 30 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 iterations described above are included in Appendix D along with the model input parameters and sensitivity analysis. A cd-copy of the model is included as well.

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. 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 dermal contact RRS values. Therefore, this would be considered a Type 4 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. Soil averaging was utilized for the calculation of the off-site RRS for lead. The mean lead concentration for the eight off-site soil samples collected from the Norfolk Southern property located south of the Property is 75.5 mg/kg. The mean lead concentration for the 15 off-site soil samples collected from the McDonald Ventures property is 178 mg/kg. Based on these calculations, the Norfolk Southern 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 Floridan 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

Amec Foster Wheeler 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 February 22, 2004 USEPA "User's Guide for Evaluating Subsurface Vapor Intrusion in Buildings".

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 3.46 (November 2015). The VISL calculation tables are presented in Attachment 1. These screening levels are presented in Table E-1 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, 2015b) 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-2). 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 November 2015 Regional Screening Level Table (USEPA, 2015a). The toxicity values used in this assessment are listed on Table E-3 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-3). The J&E Model output for each COPC are provided in Attachment 1. 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-3 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 Vapor Conclusions

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.

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. This evaluation also was completed in accordance with the February 22, 2004 USEPA "User's Guide for Evaluating Subsurface Vapor Intrusion into Buildings."

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.

9.6.2 Exposure Assessment

In order to identify groundwater constituents of potential concern (COPCs) for the vapor intrusion pathway, the maximum detected groundwater concentrations were compared to target groundwater concentrations from USEPA's Vapor Intrusion Screening Level (VISL) Calculator Version 3.1 (June 2013). These screening levels are presented in Table E-1 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, one constituent was identified as groundwater COPCs and carried through the vapor intrusion risk evaluation, trichloroethene (TCE).

TCE in groundwater was evaluated as a potential source of volatile emissions into a current/future commercial use building located on the property. The USEPA's Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (USEPA, 2002) was used as a primary guidance document. In accordance with the guidance, future indoor air concentrations at the McDonald Ventures building were estimated using USEPA's Johnson and Ettinger Model for Subsurface Vapor Intrusion into Buildings (GW-ADV, Version 3.1) (the J&E

Model) (USEPA, 2004). The maximum detected concentration was conservatively used as the groundwater exposure point concentration in the J&E Model run.

Default and site-specific modeling parameters were used for estimating indoor air concentrations (Table 2). Based on the March 2013 depth to groundwater in monitoring well GW-9, the depth to groundwater is assumed to be 1.54 feet. The soil type is primarily sandy clay with some silty sand. Soils were classified as SC (sandy clay) for the purposes of modeling. The warehouse is approximately 800 feet by 250 feet with a 35.5-foot ceiling height. An air exchange rate of 2 exchanges per hour was used based on site-specific information. Commercial/industrial workers were assumed to be exposed for 8 hours per day, for 250 days per year for 25 years (USEPA, 1991).

9.6.3 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, 2013). The toxicity values used in this assessment are listed on Table 3. 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 or equal to 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.

9.6.4 Risk Characterization – Vapor Intrusion Modeling

The J&E Model was used to estimate indoor air concentrations with groundwater 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-3). The J&E Model output for TCE is included in Appendix E. 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. In general, the assumptions used in the J&E modeling would tend to overestimate indoor air concentrations.

Table E-3 summarizes the results of the risk calculations for commercial land use. The estimated incremental risk from vapor intrusion in indoor air is 9×10^{-6} . The estimated hazard index (HI) for vapor intrusion to indoor air from the COPCs in groundwater is 3×10^{-11} . 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 building, and would not be of concern to human health in the future.

9.6.5 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, 1991). 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 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.

9.6.6 Off-Site Vapor Conclusions

Risk calculations were completed using the March 2013 maximum detected groundwater 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.

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.

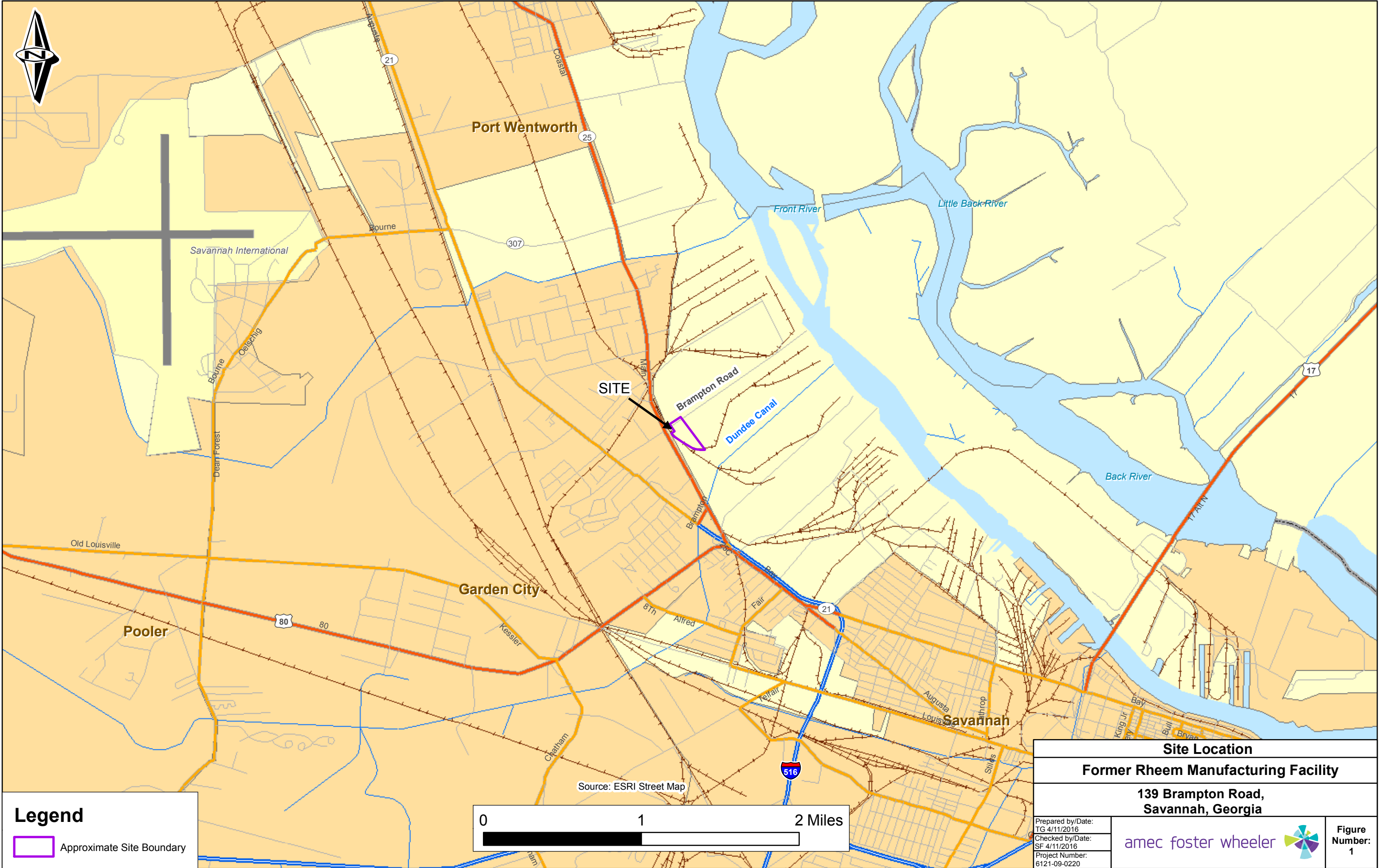
USEPA, 2014. Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors

USEPA, 2015a. Regional Screening Levels Table, November 2015.
<http://www.epa.gov/region9/superfund/prg/>

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

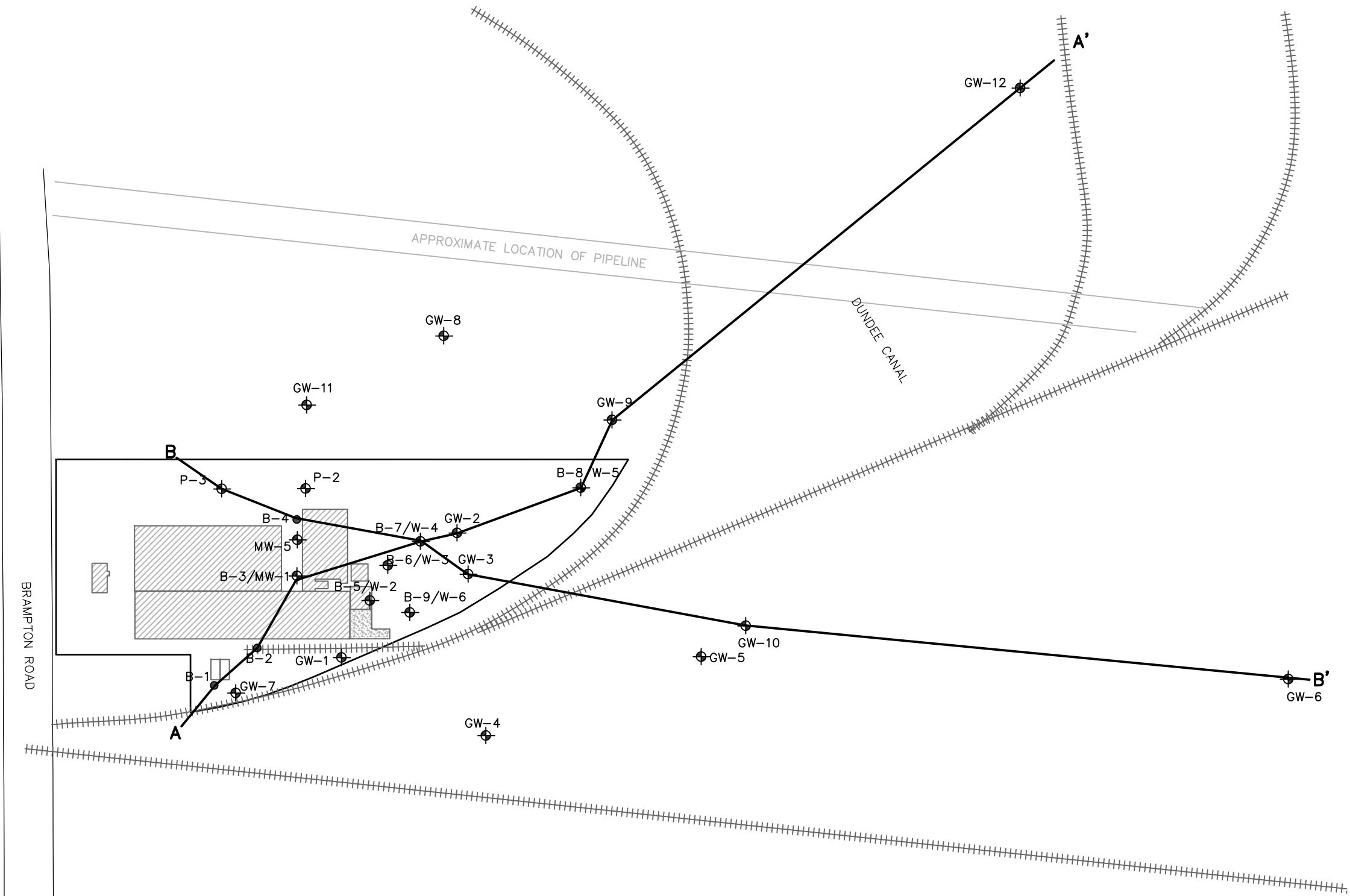
FIGURES

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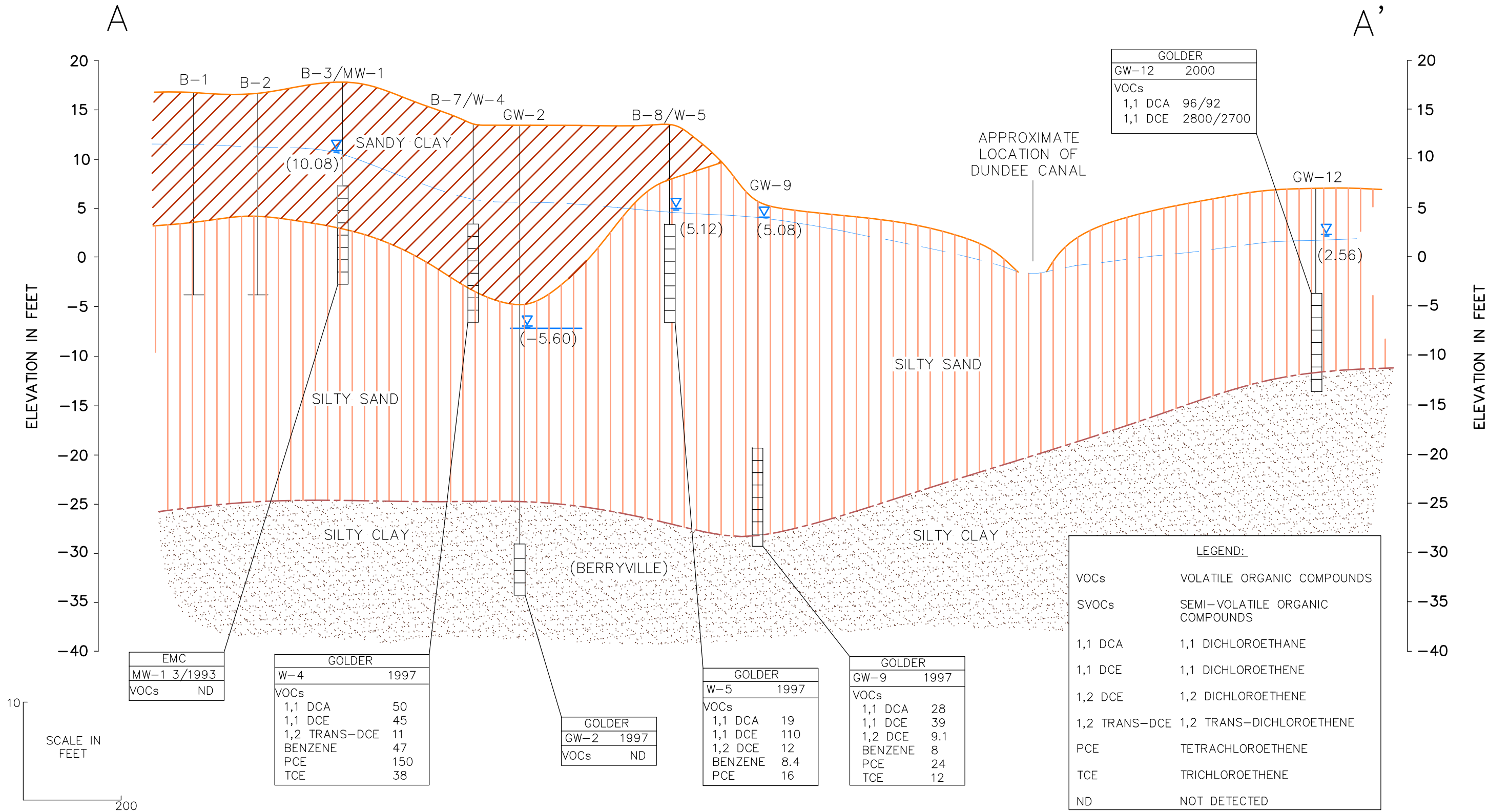
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139 BRAMPTON ROAD SAVANNAH, GEORGIA			
Job Number	Task	Date	Scale
6121-09-0220	01	APRIL 2016	AS SHOWN

SITE MAP WITH CROSS SECTION TRACE		
Drawn By	Reviewed By	Figure
TG	SF	3



NOTE:
LABORATORY RESULTS REPORTED IN MICROGRAMS PER LITER.

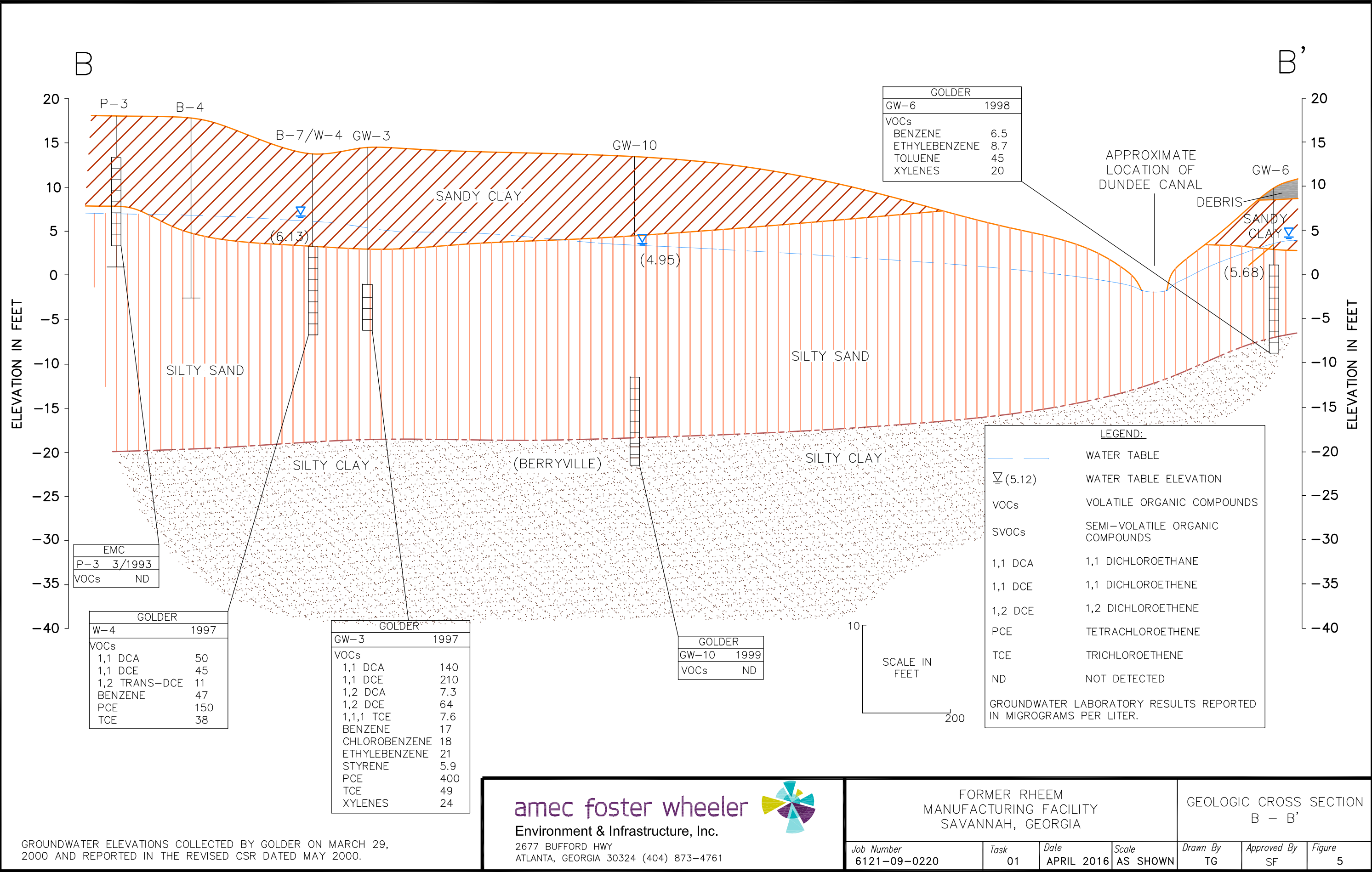
GROUNDWATER ELEVATIONS COLLECTED BY GOLDER ON MARCH 29, 2000 AND REPORTED IN THE REVISED CSR DATED MAY 2000.

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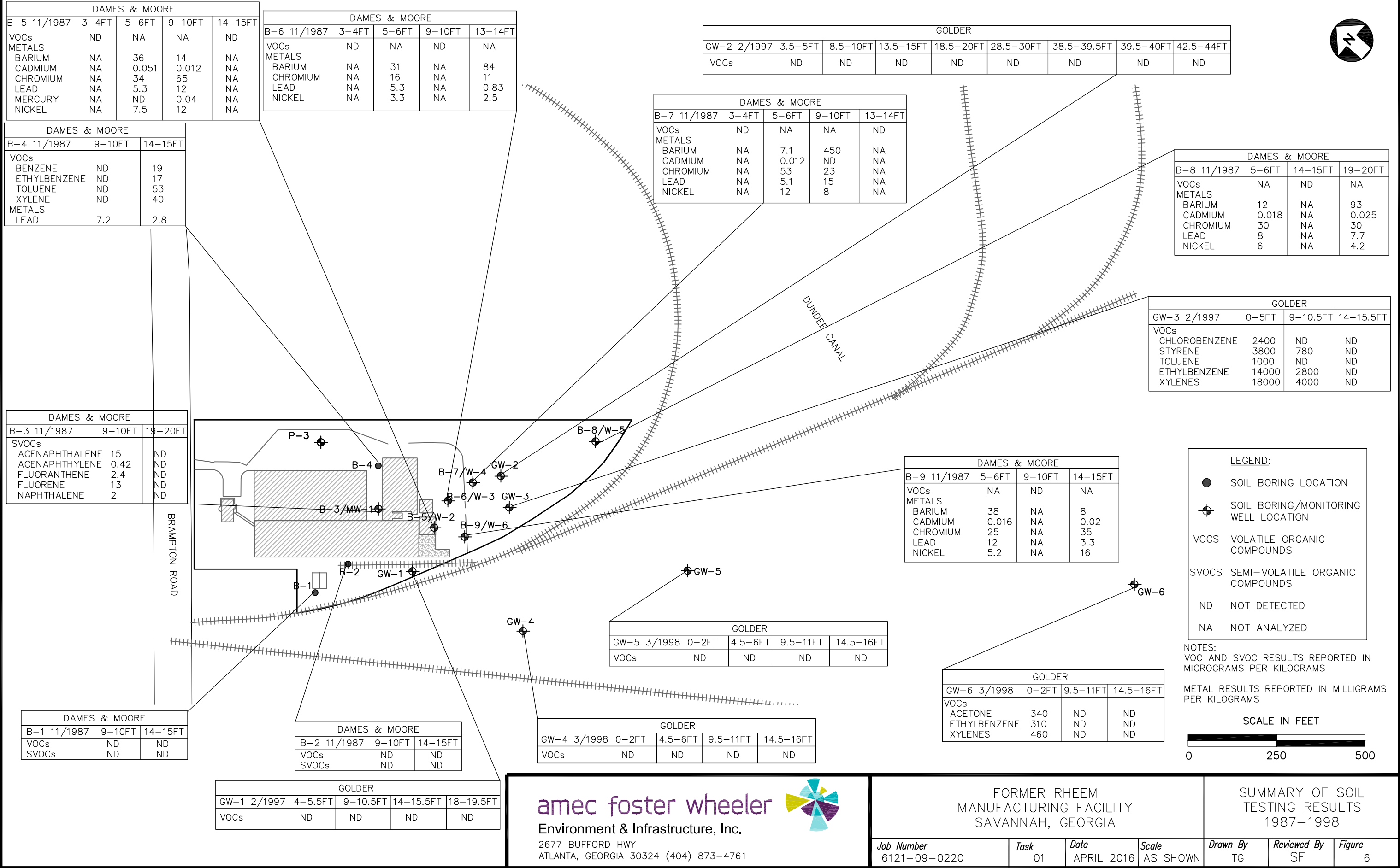
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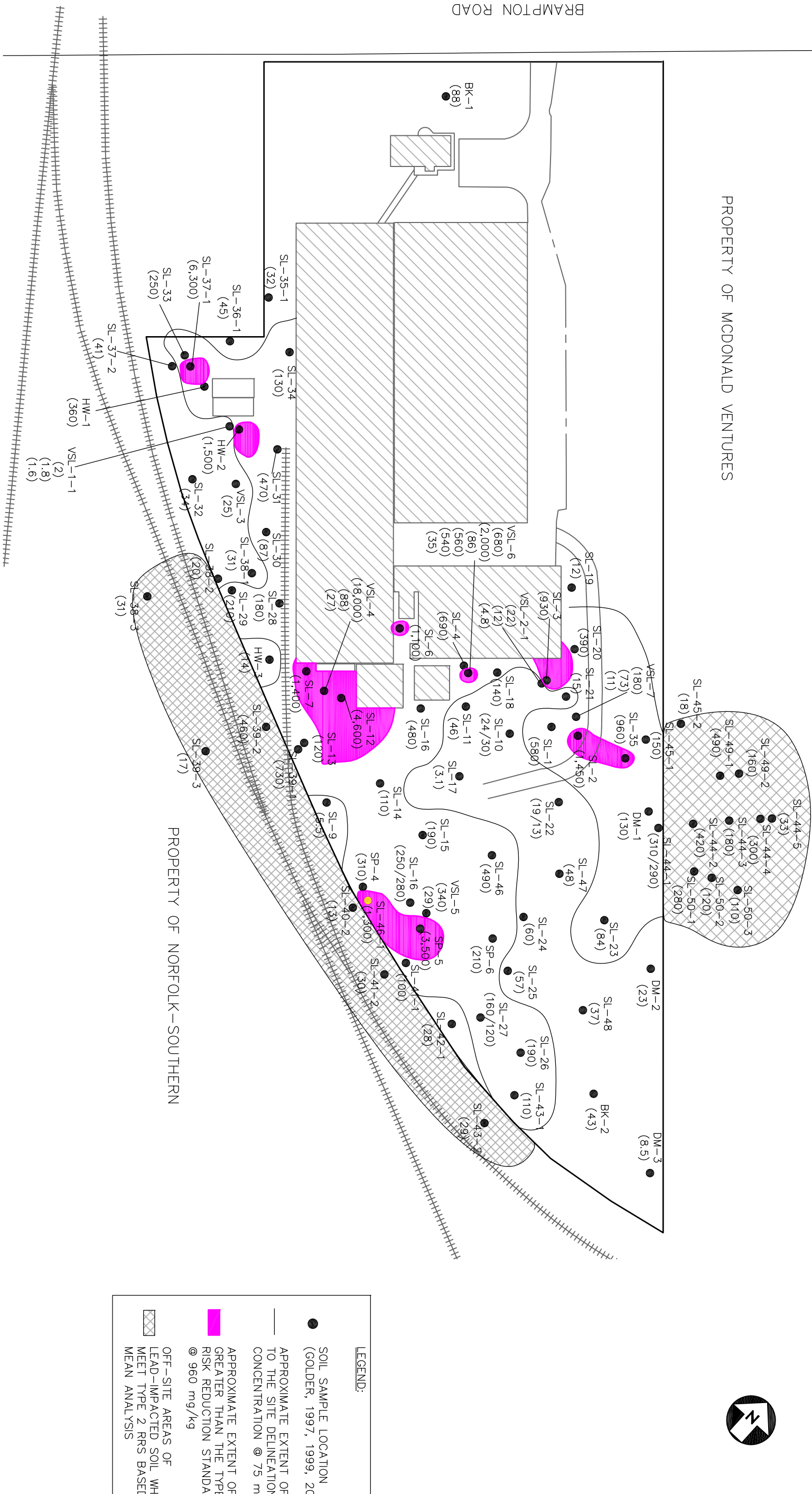
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FORMER RHEEM MANUFACTURING FACILITY SAVANNAH, GEORGIA				GEOLOGIC CROSS SECTION A - A'		
Job Number 6121-09-0220	Task 01	Date APRIL 2016	Scale AS SHOWN	Drawn By TG	Reviewed By SF	Figure 4



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







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

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

DAMES & MOORE			
W-5	11/6/1987	3/1993	
VOCs			
1,1 DICHLOROETHANE	9.7	127.7	19
1,1 DICHLOROETHENE	44	ND	110
1,2 DICHLOROETHANE	ND	ND	12
cis 1,2 DICHLOROETHENE	ND	<5.0	6.3
trans 1,2 DICHLOROETHENE	ND	<5.0	<5.0
1,1,2 TRICHLOROETHANE	ND	7	<5.0
BENZENE	ND	8.4	<5.0
TETRACHLOROETHENE	12	26.6	16
TRICHLOROETHENE	ND	ND	<5.0
VINYL CHLORIDE	ND	<10	<2.0
METALS			
BARIIUM, TOTAL	200	NT	NT
BARIIUM, DISSOLVED	30	NT	NT
NICKEL	30	NT	NT

GOLDER			
GW-9	1999	3/20/2013	
VOCs			
1,1 DICHLOROETHANE	28	6.14	4000
1,1 DICHLOROETHENE	39	15	7
1,2 DICHLOROETHANE	9.1	<1.0	5
BENZENE	8	1.22	5
TETRACHLOROETHENE	24	5.51	6
TRICHLOROETHENE	12	1.65	5
NOT FOUND FOR 2015 SAMPLING EVENT			

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

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

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

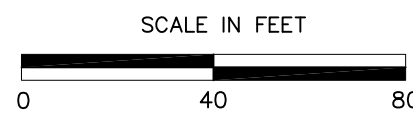
AMECFW			
EW-2	3/8/2012	8/13/15	
VOCs			
1,1 DICHLOROETHANE	5.7	3.79	
1,1 DICHLOROETHENE	7.7	6.34	
cis 1,2 DICHLOROETHENE	16	10.5	
METHYL TERT-BUTYL ETHER	5.1	<2.0	
TETRACHLOROETHENE	76	31.2	
TRICHLOROETHENE	51	21.0	
METALS			
BARIIUM, TOTAL	74.1	NT	
BARIIUM, DISSOLVED	56.5	NT	

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

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

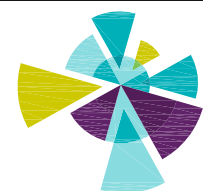


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DESIGNED	S. FOLEY
DRAWN	t. GLADSTONE
CHECKED	S. FOLEY
IN CHARGE	C. FERRY
DATE	1/30/2016

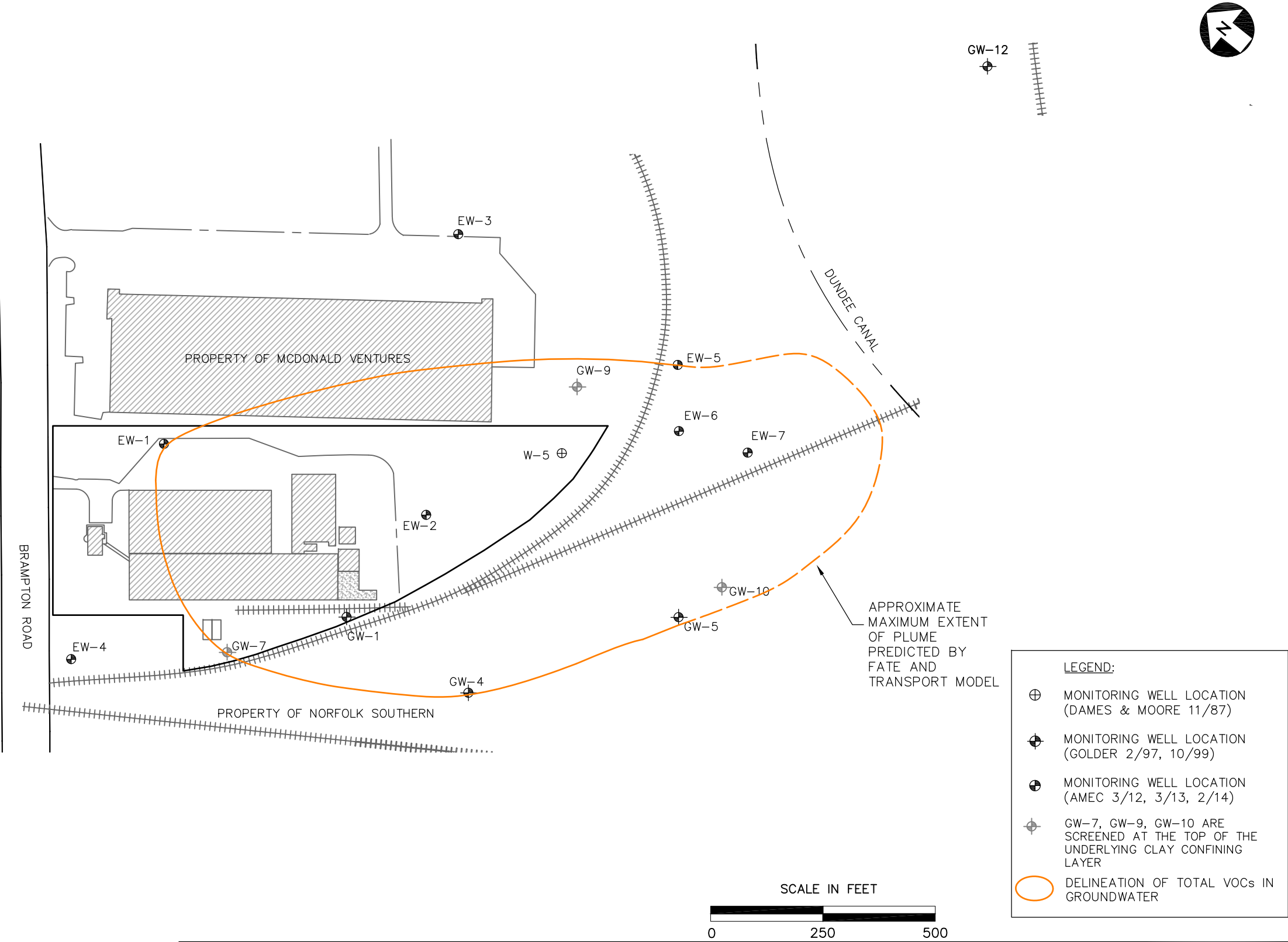
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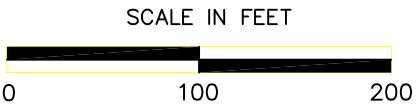
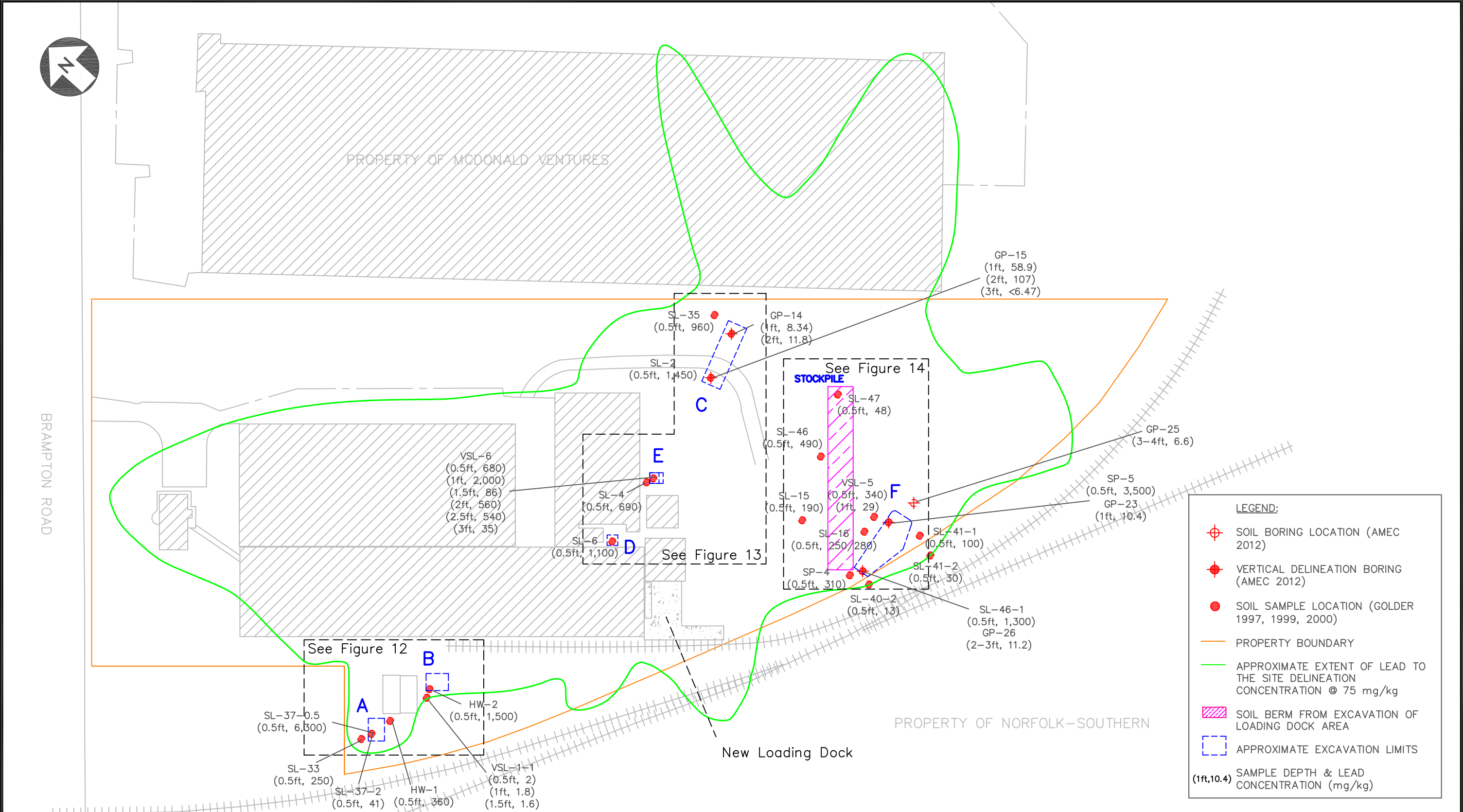


CUMMULATIVE SUMMARY OF HISTORIC
GROUNDWATER TEST RESULTS

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



amec foster wheeler Environment & Infrastructure, Inc. 96 PLASTERS AVENUE, N.E. ATLANTA, GEORGIA 30324 (404) 873-4761		139 BRAMPTON ROAD SAVANNAH, GEORGIA			ESTIMATED MAXIMUM EXTENT OF CVOC PLUME AFTER 50 YEARS		
Job Number 6121-09-0220	Task 01	Date FEB 2016	Scale AS SHOWN	Drawn By TG	Reviewed By SF	Figure 10	

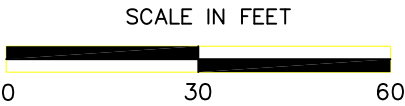
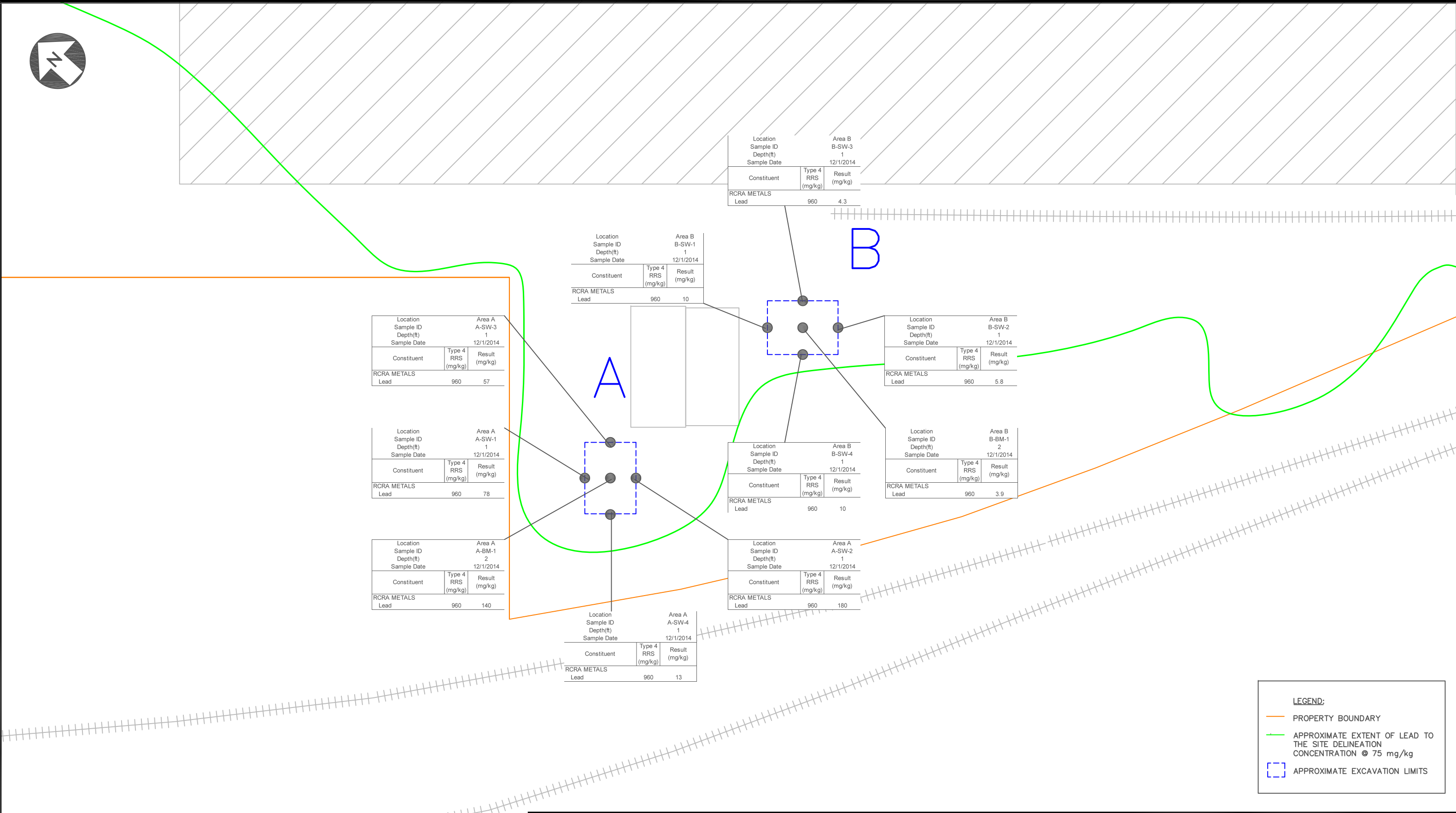


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Job Number 6121-09-0220	Task 11	Date MARCH 2015	Scale AS SHOWN	Drawn By ASF	Reviewed By	Figure 11
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PRE-REMEDIATION OF LEAD
IMPACTED SOIL

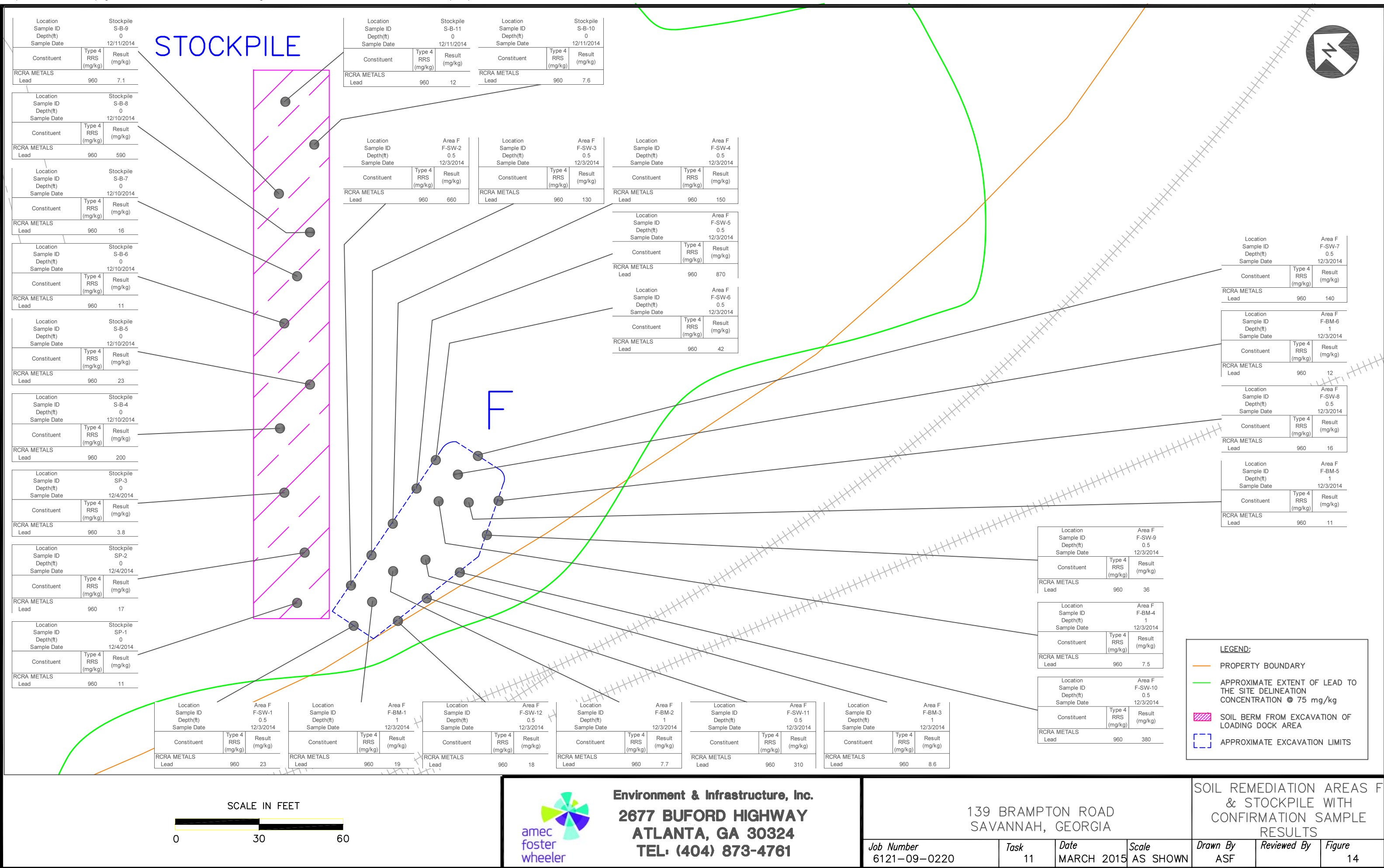


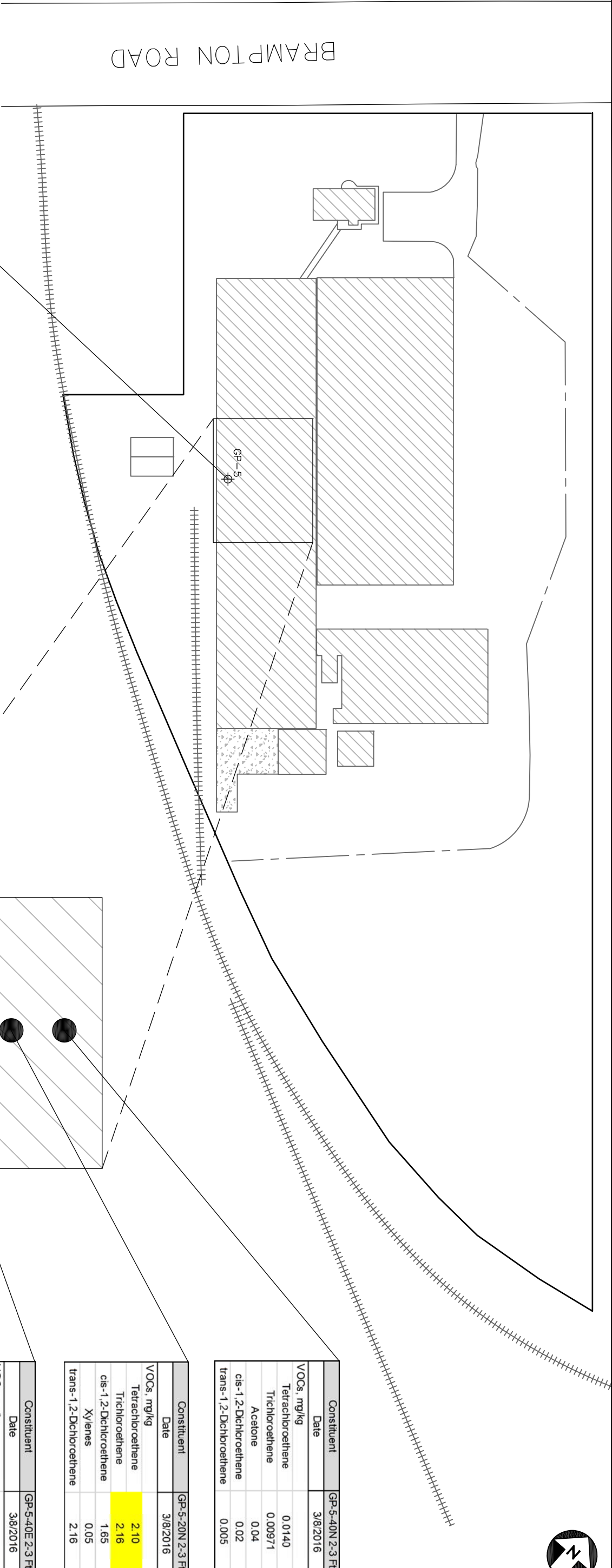
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SOIL REMEDIATION AREAS
A & B WITH CONFIRMATION
SAMPLE RESULTS

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

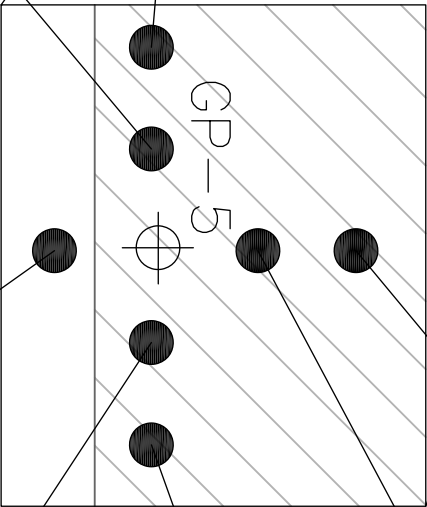




Constituent	GP-5-2-3 Ft.
Date	3/6/2012
VOCs, mg/kg	
cis-1,2-Dichloroethene	1.80
trans-1,2-Dichloroethene	0.043
Tetrachloroethene	5.20
Trichloroethene	2.20

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-Dichloroethene	0.05
trans-1,2-Dichloroethene	0.007



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

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

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



SCALE IN FEET

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
Environment & Infrastructure, Inc.

2677 BUFFORD HWY
ATLANTA, GEORGIA 30324 (404) 873-4761

FORMER RHEEM
MANUFACTURING FACILITY
SAVANNAH, GEORGIA

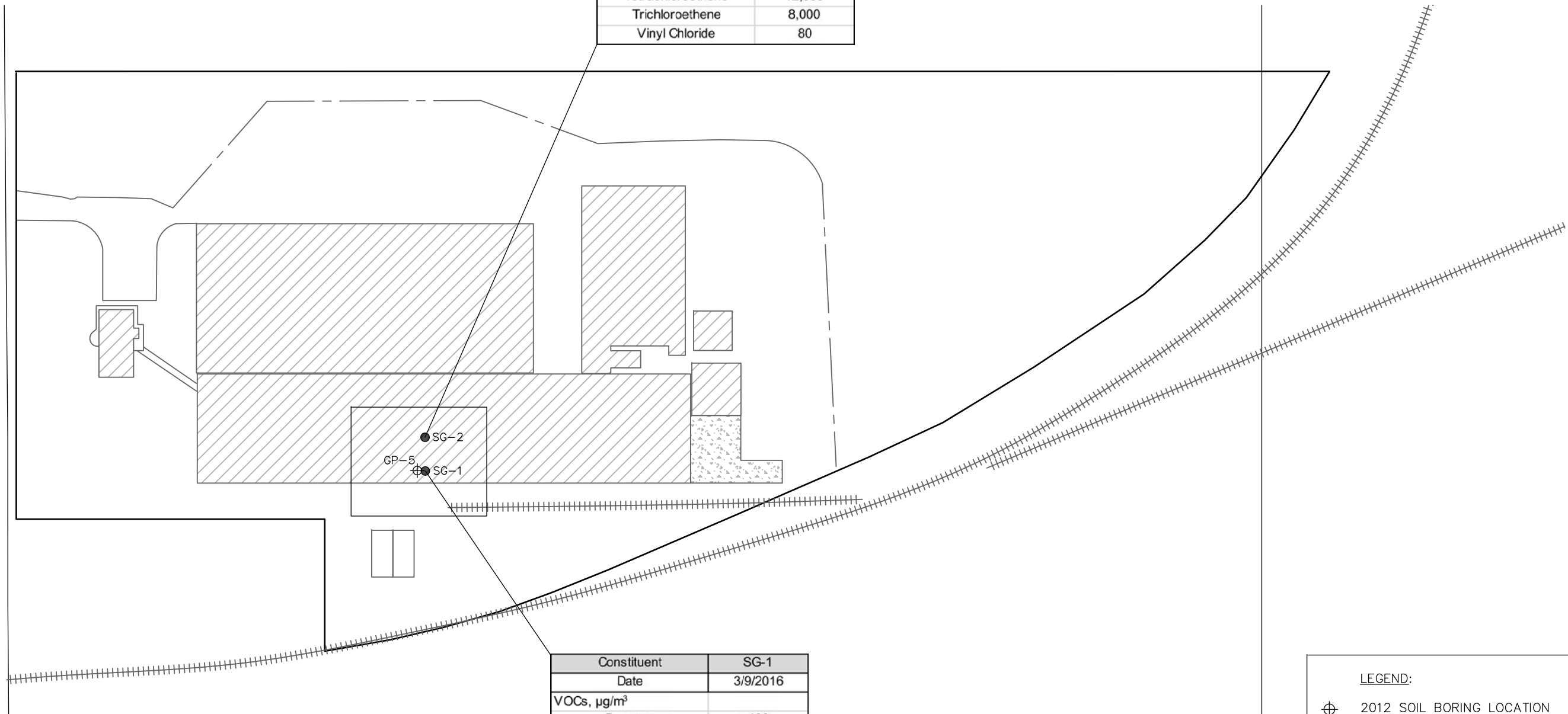
MARCH 2016
VOC IMPACTED SOIL
DELINEATION DATA

Job Number 6121-09-0220 Task 01 Date APRIL 2016 Scale AS SHOWN

Drawn By CB Reviewed By SF Figure 15

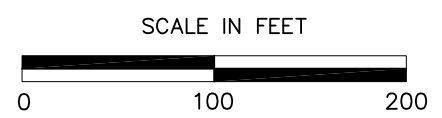


BRAMPTON ROAD



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



LEGEND:

- ⊕ 2012 SOIL BORING LOCATION
- SOIL VAPOR BORING LOCATION
- VOCs VOLATILE ORGANIC COMPOUNDS

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

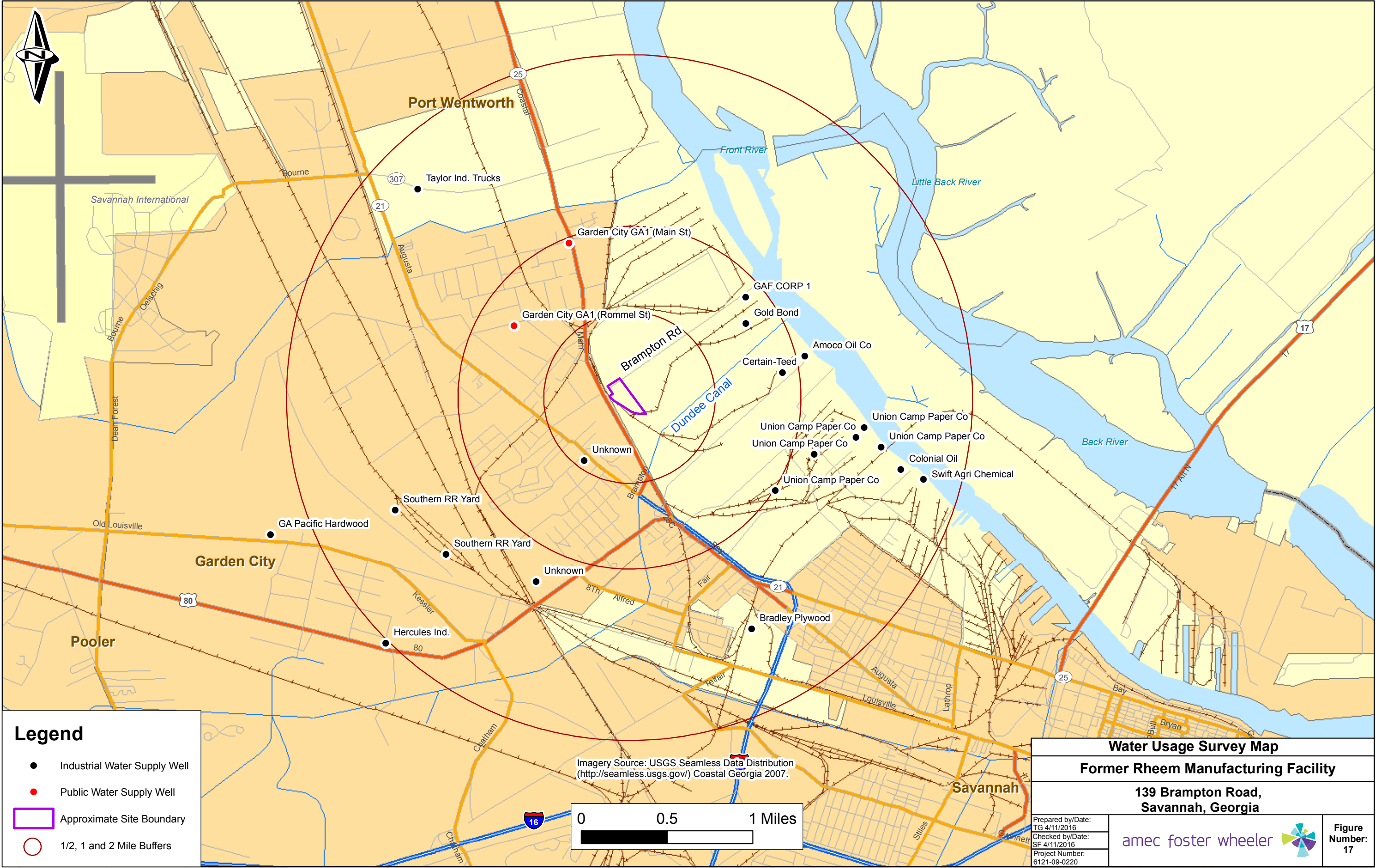
amec foster wheeler

Environment & Infrastructure, Inc.

2677 BUFFORD HWY
ATLANTA, GEORGIA 30324 (404) 873-4761

FORMER RHEEM MANUFACTURING FACILITY SAVANNAH, GEORGIA				MARCH 2016 SOIL VAPOR TESTING DATA		
Job Number 6121-09-0220	Task 01	Date APRIL 2016	Scale AS SHOWN	Drawn By CB	Reviewed By SF	Figure 16

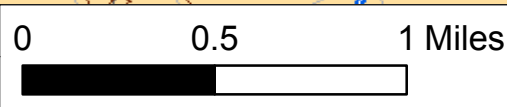
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Date Saved: 4/25/2016 3:46:20 PM




Legend

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

Imagery Source: USGS Seamless Data Distribution
(<http://seamless.usgs.gov/>) Coastal Georgia 2007.



Water Usage Survey Map		
Former Rheem Manufacturing Facility		
139 Brampton Road, Savannah, Georgia		
Prepared by/Date: TG 4/11/2016		Figure Number: 17
Checked by/Date: SF 4/11/2016		
Project Number: 6121-09-0220		

TABLES

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

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 Depth (feet) Date	Sed-1 11/1/87	Sed-2 11/1/87	Sed-3 11/1/87	B1-1 9-10 11/1/87	B1-2 14-15 11/1/87	B2-1 9-10 11/1/87	B2-2 14-15 11/1/87	B3-1 9-10 11/1/87	B3-2 19-20 11/1/87	B4-5 9-10 11/1/87	B4-6 14-15 11/1/87	B5-2 3-4 11/1/87	B5-3 5-6 11/1/87	B5-5 9-10 11/1/87	B5-6 14-15 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	SL-49	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	SL-50	120
SL-8	1300	SL-36	45	SL-50	110
SL-9	5.5	SL-37	6300	SP-1	310
SL-10	24	SL-37	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	SL-38	20	SL-BK2	43
HW-2	1500	SL-38	31	VSL-1	2
HW-3	14	SL-38 (dupe)	31	VSL-1	1.8
SL-12	4600	SL-39	730	VSL-1	1.6
SL-13	120	SL-39	460	VSL-2	22
SL-14	110	SL-39	17	VSL-2	12
SL-15	190	SL-40	1300	VSL-2	4.8
SL-16	250	SL-40	13	VSL-3	25
SL-16 (dup)	280	SL-41	100	VSL-4	18000
SL-17	3.1	SL-41	30	VSL-4	88
SL-18	140	SL-42	28	VSL-4	27
SL-19	12	SL-43	110	VSL-4 (dup)	30
SL-20	390	SL-43	29	VSL-5	340
SL-21	15	SL-43	310	VSL-5	29
SL-22	19	SL-44	420	VSL-6	680
SL-22 (dup)	13	SL-44	180	VSL-6	2000
SL-23	84	SL-44	300	VSL-6	86
SL-24	60	SL-44	33	VSL-6	560
SL-25	57	SL-44 (dup)	290	VSL-6	540
SL-26	190	SL-44 (dup)	31	VSL-6	35
SL-27	160	SL-45	150	VSL-7	180
SL-27 (dup)	120	SL-45	18	VSL-7	73
SL-28	180	SL-46	490	VSL-7	11
SL-29	210				

Notes:

* Single samples are from depth of 6 inches, mutiple samples are at 6 inches intervals starting at a depth of 6 inches.

mg/kg - milligrams per kilograms

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
Polycyclic Aromatic 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

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:

Bold - Constituent has been detected at or above the reporting

NA - Not Analyzed

NR - Not a regulated substance

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

Notes:

Bold - Constituent has been detected at or above the reporting

NA - Not Analyzed

NR - Not a regulated substance

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	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	

Notes:

Bold - Constituent has been detected at or above the reporting

NA - Not Analyzed

NR - Not a regulated substance

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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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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NR - Not a regulated substance

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

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-35
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:

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

NA - Not Analyzed

NR - Not a regulated substance

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:

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

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
<u>Volatile Organic Compounds (VOCs)</u>					
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
<u>Metals</u>					
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
<u>Volatile Organic Compounds (VOCs)</u>						
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
<u>Metals</u>						
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
<u>Volatile Organic Compounds (VOCs)</u>							
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
<u>Metals</u>							
Arsenic	10		--	--	--	Total <50 Diss. <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
<u>Volatile Organic Compounds (VOCs)</u>						
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
<u>Metals</u>						
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

	Type 1 Risk Reduction Standard	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	
PARAMETER	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	
<u>Volatile Organic Compounds (VOCs)</u>								
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	
<u>Metals</u>								
Arsenic	10		--	--	--	<u>Total</u> <50	<u>Diss.</u> <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
<u>Volatile Organic Compounds (VOCs)</u>							
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
<u>Metals</u>							
Arsenic	10		--	--	--	--	--
Barium	2000		--	--	--	--	--
Cadmium	5		--	--	--	--	--
Chromium	100		--	--	--	--	--
Lead	15		--	--	--	--	--
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:	GW-5 1998 Groundwater µg/L	GW-5 2/13/2014 Groundwater µg/L	GW-5 8/12/2015 Groundwater µg/L
<u>Volatile Organic Compounds (VOCs)</u>					
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
<u>Metals</u>					
Arsenic	10		--	--	--
Barium	2000		--	--	--
Cadmium	5		--	--	--
Chromium	100		--	--	--
Lead	15		--	--	--
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:	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
<u>Volatile Organic Compounds (VOCs)</u>							
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
<u>Metals</u>							
Arsenic	10		--	<u>Total</u> <50	<u>Diss.</u> <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
<u>Volatile Organic Compounds (VOCs)</u>							
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
<u>Metals</u>							
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 Detection Limit as reported by Golder & Associates

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
<u>Volatile Organic Compounds (VOCs)</u>							
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
<u>Metals</u>							
Arsenic	10		--	Total <50 Diss. <50	--	Total <50 Diss. <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.

-- = Not Analyzed and/or Not Reported

BDL = Below Detection Limit as reported by Golder & Associates

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
<u>Volatile Organic Compounds (VOCs)</u>							
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
<u>Metals</u>							
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 Detection Limit as reported by Golder & Associates

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
<u>Volatile Organic Compounds (VOCs)</u>								
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
<u>Metals</u>								
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 Detection Limit as reported by Golder & Associates

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 - microSiemens per centimeter

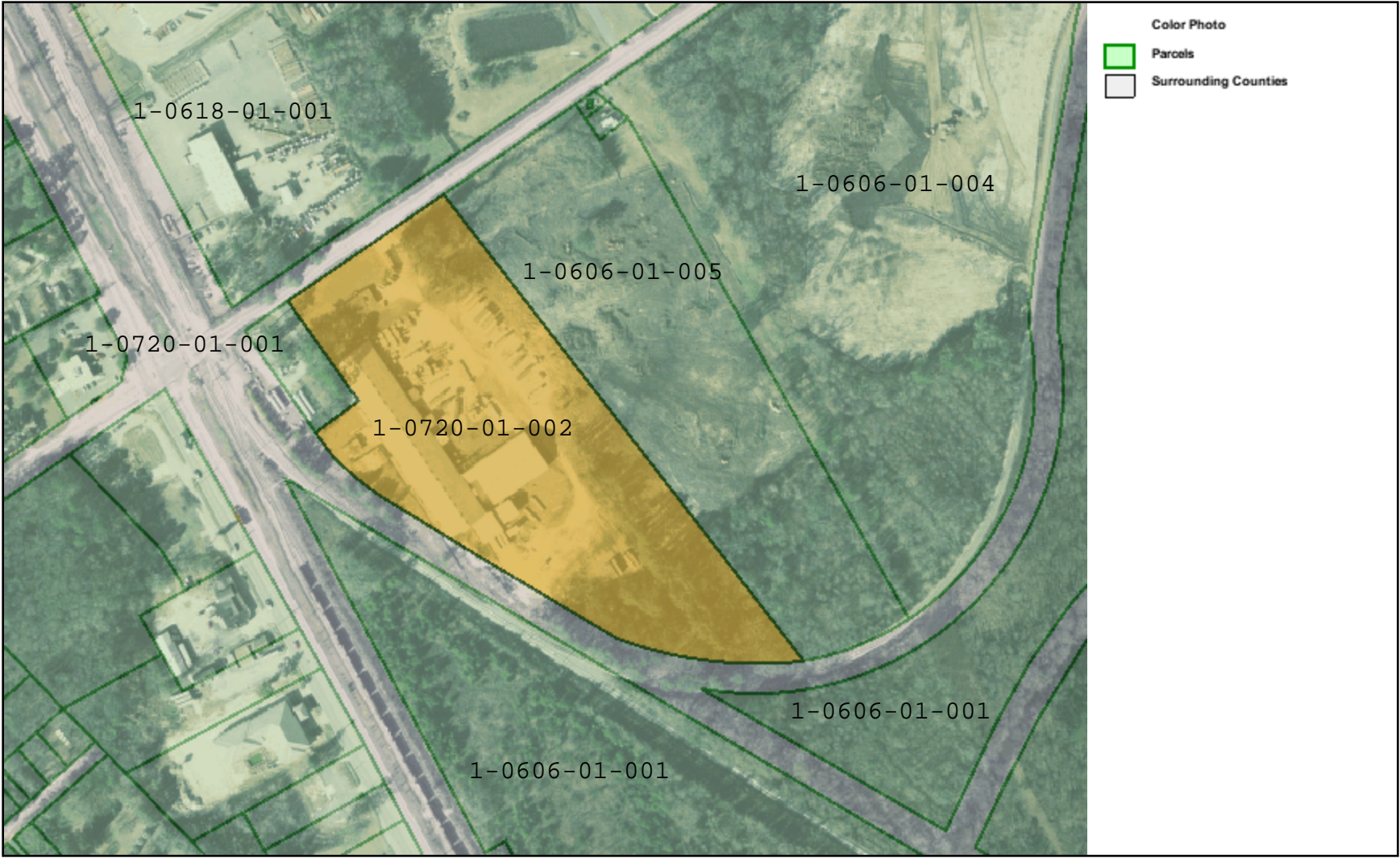
mV - millivolts

mg/L - milligrams per liter

°C - degrees celsius

APPENDIX A

WARRANTY DEED WITH LEGAL DESCRIPTION AND TAX PLAT MAP



Tax Map

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 OF CHATHAM COUNTY, GA.

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.

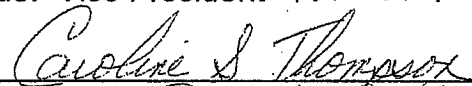
TO HAVE AND TO HOLD the said property and premises to the said Party of the Second Part so that neither the said Party of the First Part nor its successors and assigns, nor any person or persons claiming under the Party of the First Part, shall at any time by any ways or means, have, claim or demand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

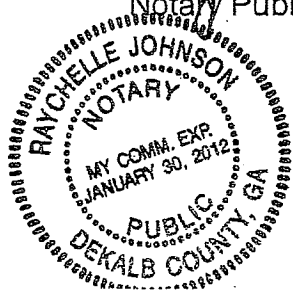

Witness

By: 
Title: Vice President - Forrest Williams

Attest: 
Title: Vice President Caroline S. Thompson

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


Notary Public, DeKalb County, GA.



FOR AFFIDAVIT FILED ON

Aug 12 1986 SEE

DEED BOOK 1205 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:

Richard B. Fillingim
Notary Public, Chatham County,
Georgia

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

Filed For Record At 3:51 O'Clock P M. On The
12 Day Of Feb 19 86
Recorded in Record Book 114-7 Folio 682
On The 12 Day Of Feb 19 86

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. EX. 180-K
PG. 440

STATE OF GEORGIA)
COUNTY OF CHATHAM)

AFFIDAVIT

16 AUG 12 PM 4:08

440

CLERK OF SUPERIOR COURT
CHATHAM COUNTY, GA.

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

14.00
5844104001 08/12/96TOTAL

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 114L, 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

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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.

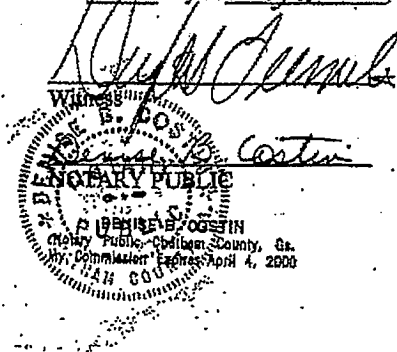
(b) The owner of the property can be located at Hendrix Machinery, Inc. 1725 Old Dean Forest Road, Savannah, Georgia, 31403 .

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 12th day of August, 1996:



APPENDIX B
LABORATORY DATA (cd copy)



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

Page 1

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



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Code: 161800418

Page 2

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

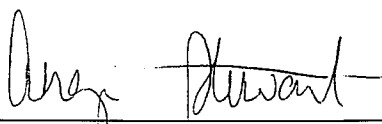
Code: 161800418

Page 3

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



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

5102 LaRoche Avenue, Savannah, GA 31404
2846 Industrial Plaza Drive, Tallahassee, FL 32301
900 Lakeside Drive, Mobile, AL 36693
6712 Benjamin Rd., Suella 100, Tampa, FL 33634

Phone: (912) 354-7858 Fax: (912) 352-0165
Phone: (850) 878-3994 Fax: (850) 878-9504
Phone: (334) 666-6633 Fax: (334) 666-6696
Phone: (813) 885-7427 Fax: (813) 885-7049

PROJECT REFERENCE 453-3825	PROJECT NO.	PROJECT LOCATION (STATE) Ga.	MATRIX TYPE	REQUIRED ANALYSES	PAGE 2	OF 3
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC.)	STANDARD REPORT DELIVERY	DATE DUE	DATE DUE
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX	AIR	EXPEDITED REPORT DELIVERY (SURCHARGE)	DATE DUE	DATE DUE
CLIENT NAME	CLIENT EMAIL		AQUEOUS (WATER)			
CLIENT ADDRESS			COMPOSITE (C) OR GRAB (G) INDICATE			

COMPANY CONTRACTING THIS WORK (if applicable):

SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED		REMARKS	
DATE	TIME				
3/24	10:20	VS-6-4		Proceed w analysis	
3/24	10:20	VS-6-5		until standard and	
3/24	10:40	VS-6-6		for lead is	
3/24	11:00	SL-38-2		explained in letter	
3/24	11:10	SL-38-3		formal submitted	
3/24	11:20	SL-38-4		to Betty Pennington	
3/28	17:25	SL-50-1		Please call C. Paul	
3/28	17:35	SL-50-2		or C. Pennington	
3/28	17:45	SL-50-3		if questions	
3/28	16:20	SL-49-1			
3/28	17:13	SL-49-2			
3/29		SL-Dupe 2			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	YES/NO	STL-SL LOG NO.	LABORATORY REMARKS:
	3/29/00	2:45	YES		30-02-03	

SL SAVANNAH LABORATORIES

& 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

Page 1

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

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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

Page 3

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

Page 4

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

Page 5

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 %

LOG NO: S9-16751
Received: 08 OCT 99
Reported: 20 OCT 99Mr. Jeff Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

Page 6

REPORT OF RESULTS

DATE/
TIME SAMPLED

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES			
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

Page 7

DATE/
TIME SAMPLED

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES
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

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Phone: (912) 354-7858
 Phone: (904) 878-3994
 Phone: (334) 666-6633
 Phone: (813) 885-7427
 Phone: (504) 764-1100

5102 LaRoche Avenue, Savannah, GA 31404
 2846 Industrial Plaza Drive, Tallahassee, FL 32301
 900 Lakeside Drive, Mobile, AL 36693
 6712 Benjamin Road, Suite 100, Tampa, FL 33634
 100 Alpha Drive, Suite 110, Destrehan, LA 70047

Fax: (912) 352-0165
 Fax: (904) 878-9504
 Fax: (334) 666-6696
 Fax: (813) 885-7049
 Fax: (504) 725-1163

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	REQUIRED ANALYSES		PAGE / OF
Savannah Brampford		953-3825				
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX			
GA	Chris Hemmingway Don Swartz	770-446-1893	770 934 9476			
CLIENT NAME		CLIENT PROJECT MANAGER				
Golder Associates		C. Paul				
CLIENT ADDRESS (CITY, STATE, ZIP)						
3730 Chamberlaine-Tucker Rd Atlanta, GA 30341						
SAMPLE	SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED	REMARKS	STANDARD REPORT DELIVERY	EXPEDITED REPORT DELIVERY (surcharge)
DATE	TIME				<input type="checkbox"/>	<input type="checkbox"/>
10-2-94	1400	GW-9	3	take MS/MSD	<input type="checkbox"/>	<input type="checkbox"/>
	1425	GW-8	3	from GW-10	<input type="checkbox"/>	<input type="checkbox"/>
	1450	GW-11	3		<input type="checkbox"/>	<input type="checkbox"/>
	1650	GW-7	3		<input type="checkbox"/>	<input type="checkbox"/>
	15:15	GW-10	3	call w/questions	<input type="checkbox"/>	<input type="checkbox"/>
	-	Dupe w-1	3		<input type="checkbox"/>	<input type="checkbox"/>
Date Due: _____						

LABORATORY USE ONLY				LABORATORY REMARKS:	
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.
Carol J. Mobley	10/8/94	947	<input type="checkbox"/> YES <input type="checkbox"/> NO		5916751
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME



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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

Page 1

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

Page 2

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

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Golder Associates, Inc.
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Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 165800414

Page 3

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



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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Fax: (912) 352-0165
Phone: (850) 878-3994
Fax: (850) 878-9504
Phone: (334) 666-6633
Fax: (334) 666-6696
Phone: (813) 885-7427
Fax: (813) 885-7049

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2846 Industrial Plaza Drive, Tallahassee, FL 32301
900 Lakeside Drive, Mobile, AL 36693
6712 Benjamin Rd., Suite 100, Tampa, FL 33634

PROJECT REFERENCE 61-3-3825	PROJECT NO.	PROJECT LOCATION (STATE) Ga.	MATRIX TYPE	REQUIRED ANALYSES	PAGE 2 OF 2
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.	NONAQUEOUS LIQUID (OIL, SOLVENT, ETC)	STANDARD REPORT DELIVERY	DATE DUE
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX	AIR	EXPEDITED REPORT DELIVERY (SURCHARGE)	DATE DUE
CLIENT NAME	CLIENT EMAIL		SOLID OR SEMISOLID		
CLIENT ADDRESS			AQUEOUS (WATER)		
			COMPOSITE (C) OR GRAB (G) INDICATE		

COMPANY CONTRACTING THIS WORK (if applicable):

SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED		REMARKS	
DATE	TIME				
3/29	10:10	✓	✓	✓	Proved no analysis
3/29	10:30	✓	✓	✓	until standard and
3/29	10:40	✓	✓	✓	Low lead as
3/29	11:00	✓	✓	✓	explained on letter
3/29	11:10	✓	✓	✓	found submitted
3/29	11:20	✓	✓	✓	to Betty Pennington
3/29	17:25	✓	✓	✓	Please call collect
3/29	17:35	✓	✓	✓	or Callaway
3/29	17:45	✓	✓	✓	of analysis
3/29	16:00	✓	✓	✓	
3/29	17:13	✓	✓	✓	
3/29		✓	✓	✓	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

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

STL SAVANNAH LABORATORY COPY

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD



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[illegible]



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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

Page 1

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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Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 094500411

Page 2

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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3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 094500411

Page 3

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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LOG NO: S0-02031
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Project: 953-3825.003/BRAMPTON ROAD
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Code: 094500411

REPORT OF RESULTS

Page 4

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

Page 5

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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LOG NO: S0-02031
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Atlanta, GA 30341

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

REPORT OF RESULTS

Page 6

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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Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 094500411

Page 7

REPORT OF RESULTS

DATE/

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES 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

Page 2

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

Page 3

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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Project: 953-3825.003/BRAMPTON ROAD

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Code: 122091020

Page 4

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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Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

Page 5

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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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
Page 6

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

Page 7

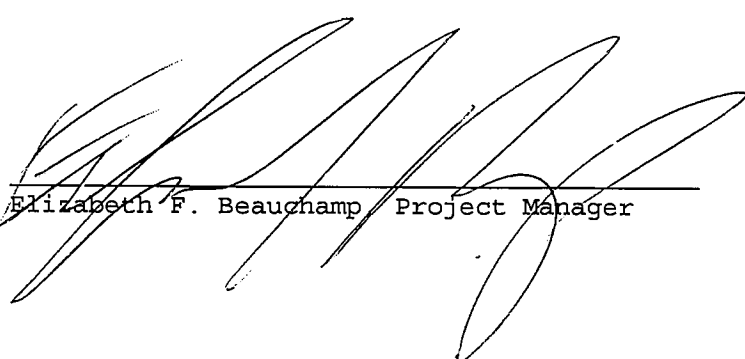
REPORT OF RESULTS

DATE/
TIME SAMPLED

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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[illegible]

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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

Page 1

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

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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

Page 2

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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Received: 22 OCT 99
Reported: 04 NOV 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: 14109115
Page 3

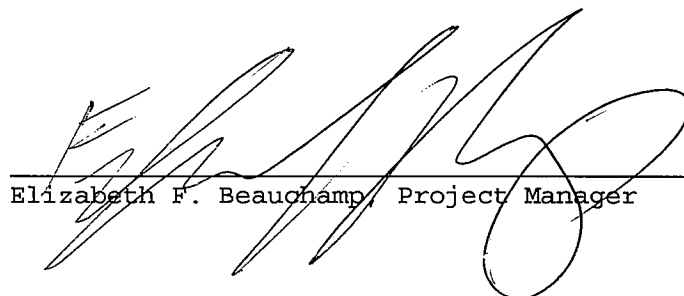
REPORT OF RESULTS

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



SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Savannah/Diamond Rd</i>		PROJECT NO. <i>953-3825</i>	PO NUMBER
PROJECT LOC. (State) <i>GA</i>	SAMPLER(S) NAME <i>CHRIS HEMINGWAY</i>	PHONE <i>770 416 1843</i>	FAX <i>770 434 1976</i>
CLIENT NAME <i>GULF & ASSOCIATES</i>		CLIENT PROJECT MANAGER <i>C. Paul</i>	
CLIENT ADDRESS (CITY, STATE, ZIP) <i>2730 CHAMBLEE TUCKER RD. ATLANTA GA 30341</i>			

SAMPLE DATE	TIME	SI NO	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED			REMARKS
				AIR SOLID OR SEMI-SOLID	NON-AQUEOUS LIQUID (oil, solvent, etc)	OTHER (6000)	
10-1	13:55		SL-415-3	X			Analyze in step wise fashion as explained in latter Call it further explanation is needed
	13:40		SL-415-2	X			
	13:30		SL-415-1	X			
	12:40		SL-414-1	X			
	12:50		SL-414-2	X			
	11:30		SL-418	X			USE SL-418 for MS/MSD
			Dupe-1	X			
	11:40		SL-417	X			
	13:00		SL-417-3	X			
	11:50		SL-416	X			
	14:10		VSL-7-1	X			
	14:20		VSL-7-2	X			
	14:30		VSL-7-3	X			

RELINQUISHED BY (SIGNATURE) <i>EMPTY CONTAINERS</i>	DATE <i>10/1/99</i>	TIME <i>16:00</i>	RELINQUISHED BY (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE) <i>EMPTY CONTAINERS</i>	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS
<i>[Signature]</i>	<i>10/1/99</i>	<i>16:00</i>	<input checked="" type="checkbox"/>		<i>9916564</i>	

STANDARD REPORT DELIVERY

EXPEDITED REPORT DELIVERY (surcharge)

Date Due: 1/5/00

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PAGE 1 OF 2

REQUIRED ANALYSES

STANDARD
REPORT
DELIVERY

☐ EXPEDITED REPORT
DELIVERY (surcharge)

Date Due: *1/18/00*

~~PRESERVATIVE~~

RELINQUISHED BY: (SIGNATURE)

LABORATORY USE ONLY

(4)



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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

Page 1

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



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LOG NO: S9-16679B
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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: 162291115

Page 2

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	---



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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

Page 3

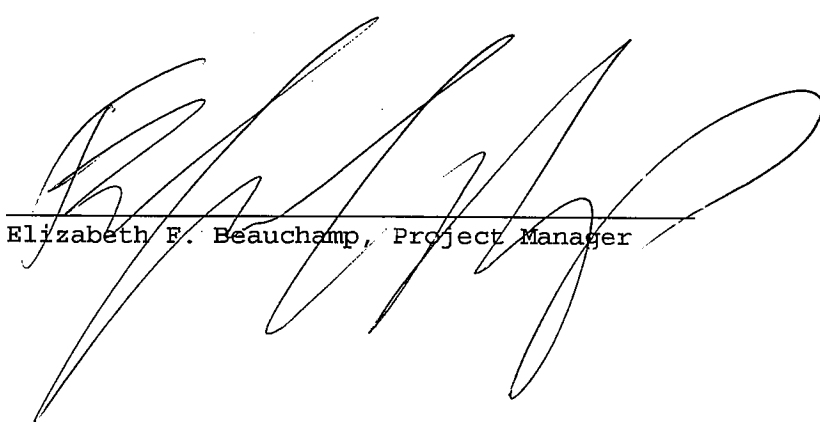
REPORT OF RESULTS

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

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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5102 LaRoche Avenue, Savannah, GA 31404
 2846 Industrial Plaza Drive, Tallahassee, FL 32301
 900 Lakeside Drive, Mobile, AL 36693
 6712 Benjamin Road, Suite 100, Tampa, FL 33634
 100 Alpha Drive, Suite 110, Des Moines, IA 50319

PROJECT REFERENCE <i>Savannah/Brampton Rd.</i>		PROJECT NO. <i>953-3825</i>		P.O. NUMBER	
PROJECT LOC. <i>GA</i>		SAMPLER(S) NAME <i>Jon Swart</i>		PHONE <i>770-496-1893</i>	
CLIENT NAME <i>Goler Associates</i>		CLIENT PROJECT MANAGER <i>C. Paul</i>		FAX <i>770-934-9476</i>	
CLIENT ADDRESS (CITY, STATE, ZIP) <i>3730 Chamberlaine Tucker Road Atlanta, GA 30341</i>					

SAMPLE	DATE	TIME	SL NO.	SAMPLE IDENTIFICATION		MATRIX TYPE	REQUIRED ANALYSES	NUMBER OF CONTAINERS SUBMITTED	REMARKS
				DATE	TIME				
10/05	17:05			SL-38-4					
10/06	8:05			VSL-3-1					Analyze in step-wise fashion as explained in letter.
10/06	8:15			VSL-3-2					Call it further explanation is needed.
10/06	8:20			VSL-3-3					
10/06	8:45			VSL-4-1					
10/06	8:55			VSL-4-2					
10/06	9:05			Soil Dup-2					
10/06	9:30			VSL-4-3					
10/06	9:45			VSL-5-1					
10/06	9:55			VSL-5-2					
10/06	9:55			VSL-5-3					
10/06	10:55			SL-39-3					
10/06	11:05			SL-39-4					

RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
<i>[Signature]</i>		10/16/99	1420	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		54/106/179	

PAGE 3 OF 4

STANDARD REPORT
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 Date Due: *ASAP*

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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

Page 1

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

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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

Page 2

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	

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LOG NO: S9-16679A
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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

Page 3

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	---

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LOG NO: S9-16679A
Received: 18 OCT 99
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Ms. Chris Paul
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3730 Chamblee Tucker Road
Atlanta, GA 30341

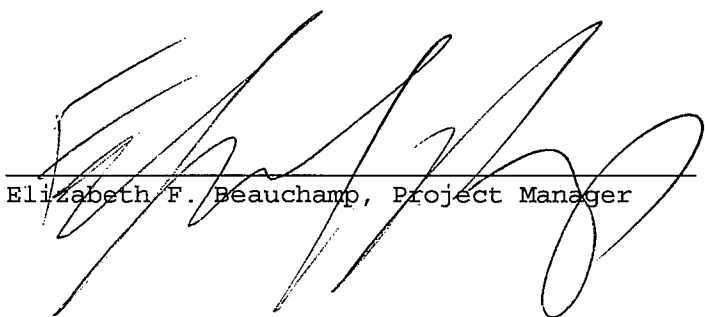
Project: 953-3825.003/BRAMPTON ROAD
Sampled By: Client
Code: 113191029

REPORT OF RESULTS

Page 4

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

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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 6712 Benjamin Road, Suite 100, Tampa, FL 33634
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PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	REQUIRED ANALYSES		PAGE 1 OF 1
PROJECT LOG. (State)	SAMPLER(S) NAME	PHONE	FAX	MATRIX TYPE		
GA	Ion Swart	770-446-1893	770-934-9476			
CLIENT NAME		CLIENT PROJECT MANAGER				
Goldier Associates		C. Paul				
CLIENT ADDRESS (CITY, STATE, ZIP)						
3730 Chamberlee Tucker Road Atlanta, GA 30341						
SAMPLE	SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED	REMARKS		
10/05 09:30		SL-39-1	1			
10/05 10:15		SL-40-1	1			
10/05 10:30		SL-41-1	1			
10/05 10:45		SL-42-1	1			
10/05 11:00		SL-43-1	1			
10/05 11:25		SL-39-2	1			
10/05 11:50		SL-40-2	1			
10/05 12:00		SL-41-2	1			
10/05 12:15		Soil Dup-2	1			
10/05 12:25		SL-42-2	1			
10/05 14:30		SL-43-2	1			
10/05 14:35		SL-35-1	1			
10/05 14:35		SL-35-2	1			
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
		10/06/99	14:00			
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
		10/06/99	14:00			

LABORATORY USE ONLY			
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY SEAL NO.
	10/06/99	1420	59-16677
LABORATORY REMARKS:			

SAVANNAH LABORATORY COPY

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Phone: (912) 354-7858
 Phone: (904) 878-3994
 Phone: (334) 666-6633
 Phone: (813) 885-7427
 Phone: (504) 764-1100

☒ 5102 LaRoche Avenue, Savannah, GA 31404
☒ 2846 Industrial Plaza Drive, Tallahassee, FL 32301
☒ 900 Lakeside Drive, Mobile, AL 36693
☒ 6712 Benjamin Road, Suite 100, Tampa, FL 33634
☒ 100 Alpha Drive, Suite 110, Destrehan, LA 70047

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	REQUIRED ANALYSES		MATRIX TYPE	PAGE 4 OF 11
Savannah/Brampton Road		953-3825	PHONE 770-496-1893				
PROJECT LOC. (State)		SAMPLER(S) NAME	FAX 770-934-9476				
CA Ton Swart							
CLIENT NAME		CLIENT PROJECT MANAGER					
Golder Associates		C. Paul					
CLIENT ADDRESS (CITY, STATE, ZIP)							
5735 Chamberlaine Tucker Road Atlanta GA 30341							
SAMPLE	SL NO.	SAMPLE IDENTIFICATION	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
10/06	11:15	SL-40-3					
10/06	11:30	SL-41-3					
10/06	11:45	SL-42-3					
10/06	12:00	SL-43-3					
10/06		MS-MSD-3					
10/06		Soil Dup-5					
10/06	12:25	SL-43-4					
10/06	12:35	SL-42-4					
10/06	12:45	SL-41-4					
10/06	12:55	SL-40-4					
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	TIME
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	TIME

NON-AQUEOUS LIQUID (oil, solvent, etc)
 LEAD (6010) 2007
 AIR
 SOLID OR SEMI-SOLID
 AQUEOUS (WATER)

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

REMARKS

Analyze in
 Step-wise fashion
 as explained in
 letter.
 Call if further
 explanation is
 needed

LABORATORY USE ONLY

LABORATORY REMARKS:

SL LOG NO.

CUSTODY SEAL NO.

CUSTODY INTACT

TIME

DATE

RECEIVED FOR LABORATORY BY: (SIGNATURE)

10/06/99 14:00

10/06/99 14:20

10/06/99 14:20

10/06/99 14:20

52116679

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Phone: (912) 354-7858
Phone: (904) 878-3994
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Phone: (813) 885-7427
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☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	REQUIRED ANALYSES		PAGE 7 OF 11
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				
Colder Associates		C. Paul				
CLIENT ADDRESS (CITY, STATE, ZIP)						
3730 Chamberlaine Tucker Road Atlanta, GA 30341						
SAMPLE	SL NO.	SAMPLE IDENTIFICATION	MATRIX TYPE	NUMBER OF CONTAINERS SUBMITTED	REMARKS	
DATE	TIME					
10/05	14:40	SL-35-3	NON-AQUEOUS LIQUID (oil, solvent, etc)			
10/05	14:50	SL-36-1	AIR			
10/05	15:10	SL-36-2	AQUEOUS (WATER)			
10/05	15:20	SL-36-3	SOLID OR SEMI-SOLID			
10/05	15:35	SL-36-4				
10/05	15:45	SL-37-1				
10/05		Soil Dup-3				
10/05		MS-MSD-2				
10/05	16:00	SL-37-2				
10/05	16:10	SL-37-3				
10/05	16:25	SL-38-1				
10/05	16:30	SL-38-2				
10/05	16:55	SL-38-3				
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
		10/16/99	1420	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		59-1667	

SAVANNAH LABORATORY COPY

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

☒ 5102 LaRoche Avenue, Savannah, GA 31404
☒ 2846 Industrial Plaza Drive, Tallahassee, FL 32301
☐ 900 Lakeside Drive, Mobile, AL 36693
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Phone: (912) 352-7858
 Phone: (904) 878-3994
 Phone: (334) 666-6633
 Phone: (813) 885-7427
 Phone: (504) 764-1100

Fax: (912) 352-0165
 Fax: (904) 878-9504
 Fax: (334) 666-6696
 Fax: (813) 885-7049
 Fax: (504) 725-1163

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	REQUIRED ANALYSES		MATRIX TYPE	PAGE 3 OF 4
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						
Gor Associates	C. Paul						
CLIENT ADDRESS (CITY, STATE, ZIP)							
3730 Chamberlaine Tucker Road Atlanta, GA 30341							
SAMPLE	SL NO.	SAMPLE IDENTIFICATION	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
10/05	17:05	SL-38-4					
10/06	8:05	VSL-3-1					
10/06	8:15	VSL-3-2					
10/06	8:20	VSL-3-3					
10/06	8:45	VSL-4-1					
10/06	8:55	VSL-4-2					
10/06		Soil Dup-4					
10/06	9:05	VSL-4-3					
10/06	9:30	VSL-5-1					
10/06	9:45	VSL-5-2					
10/06	9:55	VSL-5-3					
10/06	10:55	SL-39-3					
10/06	11:05	SL-39-4					
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME

NONAQUEOUS LIQUID (oil, solvent, etc)
 SOLID OR SEMISOLID
 AQUEOUS (WATER)
 AIR

STANDARD REPORT
☒ DELIVERY

EXPEDITED REPORT
☐ DELIVERY (surcharge)
 Date Due: ASAP

REMARKS

Analyze in
 step-wise fashion
 as explained in
 letter
 Call it further
 explanation is
 needed

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:
<i>[Signature]</i>	10/16/99	1420	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		59/16679	

SL SAVANNAH LABORATORIES

& 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

Page 1

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

Page 2

REPORT OF RESULTS

DATE/

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID 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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& 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

Page 3

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



<input checked="" type="checkbox"/> 25102 LaRoche Avenue, Savannah, GA 31404	Phone: (912) 354-7858	Fax: (912) 352-0165
<input checked="" type="checkbox"/> 2846 Industrial Plaza Drive, Tallahassee, FL 32301	Phone: (904) 878-3994	Fax: (904) 878-9504
<input type="checkbox"/> 414 SW 12th Avenue, Deerfield Beach, FL 33442	Phone: (954) 421-7400	Fax: (954) 421-2584
<input type="checkbox"/> 900 Lakeside Drive, Mobile, AL 36693	Phone: (334) 666-6633	Fax: (334) 666-6696
<input type="checkbox"/> 6712 Benjamin Road, Suite 100, Tampa, FL 33634	Phone: (813) 885-7427	Fax: (813) 885-7049
<input type="checkbox"/> 100 Alpha Drive, Suite 110, Destrehan, LA 70047	Phone: (504) 764-1100	Fax: (504) 725-1163

[illegible]

<input type="checkbox"/> 5102 LaFroche Avenue, Savannah, GA 31404	Phone: (912) 354-7858	Fax: (912) 352-0165
<input type="checkbox"/> 2846 Industrial Plaza Drive, Tallahassee, FL 32301	Phone: (904) 878-3994	Fax: (904) 878-9504
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[illegible]

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
 Page 1

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	DUP-1	10-01-99
16564-4	SL-48	10-01-99/11:30
16564-5	SL-47	10-01-99/11:40
PARAMETER		
Lead (6010)	Lead, mg/kg dw	
	Dilution Factor	
	Prep Date	
	Analysis Date	
	Batch ID	
Percent Solids		

78	150	310	290	37	48
10.04.99	1.0	1.0	1.0	1.0	1.0
10.04.99	10.04.99	10.04.99	10.04.99	10.05.99	10.04.99
10.06.99	10.06.99	10.06.99	10.06.99	10.07.99	10.06.99
1004B	1004B	1004B	1004B	1005A	1004B
88	88	89	88	88	84

SL SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

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

LOG NO: S9-16564
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

Page 2

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

Page 3

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	---

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& 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

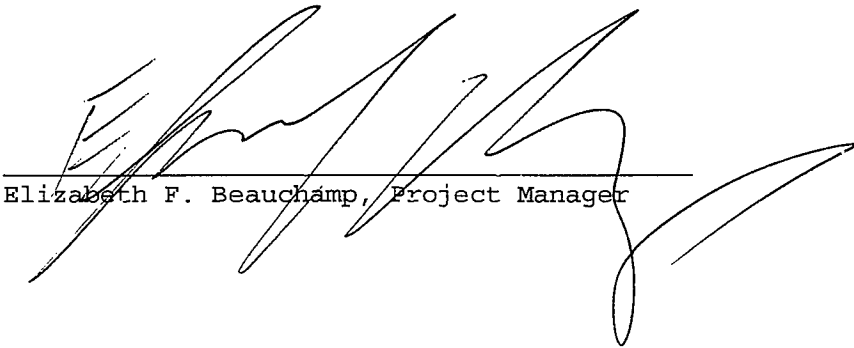
Page 4

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



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(4)



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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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6712 Benjamin Road, Suite 100, Tampa, FL 33634
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Selection Number 45004

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	REQUIRED ANALYSES		MATRIX TYPE	PAGE 3 OF 4
Savannah/Brampton Rd.		953-3825					
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX				
GA	Ten Swart	770-496-1893	770-934-9476				
CLIENT NAME		CLIENT PROJECT MANAGER					
Goler Associates		C. Paul					
CLIENT ADDRESS (CITY, STATE, ZIP)							
3730 Chamberlaine Tucker Road Atlanta, GA 30341							
SAMPLE	SL NO.	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED		REMARKS	
DATE	TIME						
10/05	17:05	SL-38-4		1			
10/06	8:05	VSL-3-1		1			
10/06	8:15	VSL-3-2		1			
10/06	8:20	VSL-3-3		1			
10/06	8:45	VSL-4-1		1			
10/06	8:55	VSL-4-2		1			
10/06		Soil Dup-4		1			
10/06	9:05	VSL-4-3		1			
10/06	9:30	VSL-5-1		1			
10/06	9:45	VSL-5-2		1			
10/06	9:55	VSL-5-3		1			
10/06	10:55	SL-39-3		1			
10/06	11:05	SL-39-4		1			
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
TUNERS				TUNERS			
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
TUNERS				TUNERS			

NON-AQUEOUS LIQUID (oil, solvent, etc)
AQUEOUS (WATER)
SOLID OR SEMISOLID
PRESERVATIVE
Date Due: ASAP

STANDARD REPORT DELIVERY
☒ REPORT DELIVERY

EXPEDITED REPORT DELIVERY (surcharge)
☐

RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT		CUSTODY SEAL NO.	SL LOG NO.	LABORATORY REMARKS:	
[Signature]		10/1/99	1420	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			89-16679		

ORIGINAL

LOG NO: S7-70791
Received: 12 FEB 97
Reported: 18 FEB 97Ms. 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

Page 1

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	<6.3	<6.2	<6.0	<6.9	<760
(Dichloromethane), ug/kg dw					
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

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

Page 2

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

LOG NO: S7-70791
Received: 12 FEB 97
Reported: 18 FEB 97Ms. 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

Page 3

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

SL SAVANNAH LABORATORIES & 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

Page 4

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-Dichloroethen e, 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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Golder Associates, Inc.
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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
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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Received: 12 FEB 97
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3730 Chamblee Tucker Road
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Project: 953-3825.003/BRAMPTON ROAD

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Code: 140870218

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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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Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 140870218

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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	<5.0	<620	---		---
(Dichloromethane), ug/kg dw					
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	---		---

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Sampled By: Client

Code: 140870218

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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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3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

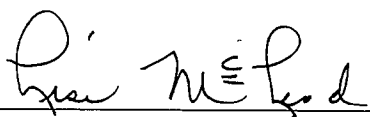
Code: 140870218

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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



SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Brampton Rd</i>		PROJECT NO. <i>953-3825.003</i>	PO. NUMBER
PROJECT LOC. (State) <i>GA</i>	SAMPLER(S) NAME <i>Chris Hemingway (CDH)</i>	PHONE <i>770-496-1893</i>	FAX
CLIENT NAME <i>Go/der</i>		CLIENT PROJECT MANAGER <i>Ms. Chris Paul</i>	
CLIENT ADDRESS (CITY, STATE, ZIP) <i>3730 Chamblor Trce Rd Atlanta GA 30341</i>			
SAMPLE	SL NO.	SAMPLE IDENTIFICATION	
DATE	TIME		
<i>2-11</i>	<i>15:45</i>	<i>GW-1-1</i>	
	<i>16:15</i>	<i>GW-1-2</i>	
	<i>16:30</i>	<i>GW-1-3</i>	
	<i>16:45</i>	<i>GW-1-4</i>	
	<i>11:20</i>	<i>GW-3-1</i>	
	<i>11:55</i>	<i>GW-3-2</i>	
	<i>12:10</i>	<i>GW-3-3</i>	
	<i>15:45</i>	<i>GW-1-1 (Cap)</i>	
RECEIVED BY: (SIGNATURE) <i>[Signature]</i> DATE <i>2/7/97</i> TIME <i>5:30</i>			
RECEIVED BY: (SIGNATURE) <i>[Signature]</i> DATE <i>2/7/97</i> TIME <i>9:30</i>			

Serial Number 43414

Phone: (912) 354-7858
Phone: (904) 878-3994
Phone: (954) 421-7400
Phone: (334) 666-6633
Phone: (813) 885-7427
Phone: (504) 764-1100

5102 LaRoche Avenue, Savannah, GA 31404
2846 Industrial Plaza Drive, Tallahassee, FL 32301
414 SW 12th Avenue, Deerfield Beach, FL 33442
900 Lakeside Drive, Mobile, AL 36693
6712 Benjamin Road, Suite 100, Tampa, FL 33634
100 Alpha Drive, Suite 110, Destrehan, LA 70047

Fax: (912) 352-0165
Fax: (904) 878-9504
Fax: (954) 421-2584
Fax: (334) 666-6696
Fax: (813) 885-7049
Fax: (504) 725-1163

REQUIRED ANALYSES

MATRIX TYPE

REQUIRED ANALYSES

PAGE

OF

STANDARD REPORT DELIVERY

EXPEDITED REPORT DELIVERY (surcharge)

Date Due:

REMARKS

NUMBER OF CONTAINERS SUBMITTED

PRESERVATIVE

LABORATORY USE ONLY

LABORATORY REMARKS

SL LOG NO

CUSTODY SEALING

CUSTODY INTACT

TIME

DATE

RECEIVED FOR LABORATORY BY: (SIGNATURE)

DATE

TIME

510



SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Phone: (912) 354-7858
Fax: (912) 352-0165
Phone: (904) 878-3994
Fax: (904) 878-9504
Phone: (954) 421-7400
Fax: (954) 421-2584
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Fax: (813) 885-7049
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☐ 900 Lakeside Drive, Mobile, AL 36693
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	REQUIRED ANALYSES		MATRIX TYPE	PAGE 1 OF 2
Savannah/Brampton Rd		953-3825					
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)		ATLANTA GA					
3730 CHAMBLEE TUCKER RD.		30341					
SAMPLE	SL NO.	SAMPLE IDENTIFICATION	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
10-1	13:55	SL-45-3					
	13:40	SL-45-2					
	13:30	SL-45-1					
	12:40	SL-44-1					
	12:50	SL-44-2					
	11:30	SL-48					
		Dupe-1					
	11:40	SL-47					
	13:00	SL-44-3					
	11:50	SL-46					
	14:10	VSL-7-1					
	14:20	VSL-7-2					
	14:30	VSL-7-3					
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
Chris Hemingway		10/1/99	14:30	[Signature]		10-1-99	16:00
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
[Signature]		10/1/99	14:00	[Signature]			

LABORATORY USE ONLY				LABORATORY REMARKS:	
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEALING	SL LOG NO.
[Signature]	10/1/99	14:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	59-16564
LABORATORY REMARKS:					

ORIGINAL

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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

Page 1

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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Page 2

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

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Page 3

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

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3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 124391018

Page 4

REPORT OF RESULTS

DATE/

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID 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.

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

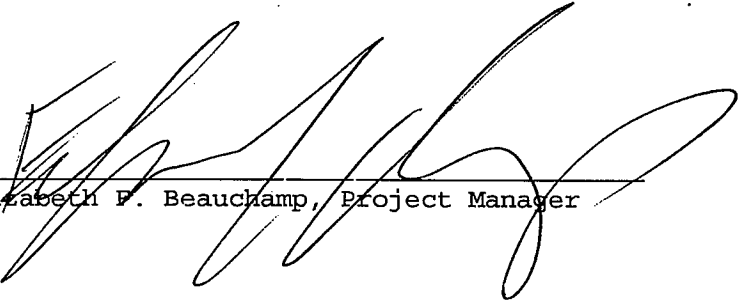
Page 5

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

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Phone: (912) 354-7858
 Phone: (904) 878-3994
 Phone: (334) 666-6633
 Phone: (813) 885-7427
 Phone: (504) 764-1100

5102 LaRoche Avenue, Savannah, GA 31404
 2846 Industrial Plaza Drive, Tallahassee, FL 32301
 900 Lakeside Drive, Mobile, AL 36693
 6712 Benjamin Road, Suite 100, Tampa, FL 33634
 100 Alpha Drive, Suite 110, Destrehan, LA 70047

PROJECT REFERENCE <i>Savannah / Brampton Rd.</i>		PROJECT NO. <i>953-3825</i>	P.O. NUMBER	REQUIRED ANALYSES		PAGE 1 OF 4
PROJECT LOC. (State) <i>GA</i>	SAMPLER(S) NAME <i>Jon Swart</i>	PHONE <i>770-496-1893</i>	FAX <i>770-934-9476</i>	MATRIX TYPE <i>NON-AQUEOUS LIQUID (oil, solvent, etc.)</i>		
CLIENT NAME <i>Goldier Associates</i>		CLIENT PROJECT MANAGER <i>C. Paul</i>		STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: <i>ASAP</i>		
CLIENT ADDRESS (CITY, STATE, ZIP) <i>3730 Chamblee Tucker Road Atlanta, GA 30341</i>				PREPERS		
SAMPLE DATE	SAMPLE TIME	SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED		REMARKS
10/05	09:30		SL-39-1	1		
10/05	10:15		SL-40-1	1		Analyse in
10/05	10:30		SL-41-1	1		Step-wise fashion
10/05	10:45		SL-42-1	1		as explained in
10/05	11:00		SL-43-1	1		letter
10/05	11:25		SL-39-2	1		call if further
10/05	11:50		SL-40-2	1		explanation is
10/05	12:00		SL-41-2	1		needed
10/05			Soil Dup-2	1		
10/05	12:15		SL-42-2	1		
10/05	12:25		SL-43-2	1		
10/05	14:30		SL-35-1	1		
10/05	14:35		SL-35-2	1		
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>		10/05	14:00	<i>[Signature]</i>	10/06/99	14:00
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>		10/05	14:20	<i>[Signature]</i>	10/06/99	14:00

RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT	CUSTODY SEALING	SL LOG NO	LABORATORY REMARKS:
<i>[Signature]</i>		10/05	14:20	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		59-1667A	

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Phone: (912) 354-7858 Fax: (912) 352-0165
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 Phone: (813) 885-7427 Fax: (813) 885-7049
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☐ 900 Lakeside Drive, Mobile, AL 36693
☐ 172 Benjamin Road, Suite 100, Tampa, FL 33634
☐ 100 Alpha Drive, Suite 110, Drestrehan, LA 70047

[illegible]

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEALING NO.	SL LOG NO.	LABORATORY REMARKS:
LABORATORY USE ONLY						

SL LOG NO. 59-16679

☒ YES ☐ NO

DATE	TIME
10/6/95	1420

RECEIVED FOR LABORATORY BY: (SIGNATURE)

ORIGINAL

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& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047

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					
SAMPLE		SL NO.	SAMPLE IDENTIFICATION		
DATE	TIME				
10/05	14:40	SL-35-3			
10/05	14:50	SL-36-1			
10/05	15:10	SL-36-2			
10/05	15:20	SL-36-3			
10/05	15:35	SL-36-4			
10/05	15:45	SL-37-1			
10/05		Soil Dup-3			
10/05		MS-MSD-2			
10/05	16:00	SL-37-2			
10/05	16:10	SL-37-3			
10/05	16:25	SL-38-1			
10/05	16:30	SL-38-2			
10/05	16:55	SL-38-3			
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	

Lead (6010)
 NON-AQUEOUS LIQUID (oil, solvent, etc.)
 AQUEOUS (WATER)
 AIR
 SOLID OR SEMISOLID

PRESERVATIVE

MATRIX TYPE		REQUIRED ANALYSES		PAGE 2 OF 4	
STANDARD REPORT DELIVERY		EXPEDITED REPORT DELIVERY (surcharge)		Date Due: ASAP	
NUMBER OF CONTAINERS SUBMITTED		REMARKS			
		Analyze in			
		Step-wise fashion			
		as explained in			
		letter.			
		call if further			
		explanation is			
		needed			

RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
		10/6/99	14:00				
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME

LABORATORY USE ONLY		SL LOG NO	
CUSTODY INTACT		59-1667	
CUSTODY SEALING			
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			

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

Page 1

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	<5.0	<5.0	<5.0	<5.0	<5.0
(Dichloromethane), ug/l					
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

LOG NO: S7-70863
Received: 13 FEB 97
Reported: 21 FEB 97Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

Page 2

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

LOG NO: S7-70863
Received: 13 FEB 97
Reported: 21 FEB 97Ms. Chris Paul
Golder Associates, Inc.
3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

Page 3

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

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

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

Project: 953-3825.003/BRAMPTON ROAD

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Code: 103470222

Page 4

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	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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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

Page 5

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	---	---

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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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

Page 6

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	---

SL SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

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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

Page 7

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	<6.0	<6.0	<5.7	<5.7	<6.6
(Dichloromethane), ug/kg dw					
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

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

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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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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

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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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LOG NO: S7-70863
Received: 13 FEB 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: 103470222

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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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Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

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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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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

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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	<5.0	---	---
(Dichloromethane), ug/kg dw			
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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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

Page 13

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.

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LOG NO: S7-70863
Received: 13 FEB 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: 103470222

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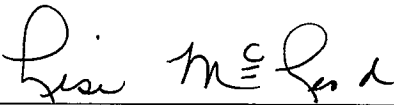
REPORT OF RESULTS

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
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



<input type="checkbox"/> 5102 LaRoche Avenue, Savannah, GA 31404	Phone: (912) 354-7858	Fax: (912) 352-0165
<input type="checkbox"/> 2846 Industrial Plaza Drive, Tallahassee, FL 32301	Phone: (904) 878-3994	Fax: (904) 878-9504
<input type="checkbox"/> 911 SW 12th Avenue, Deerfield Beach, FL 33442	Phone: (305) 421-7400	Fax: (305) 421-2584
<input type="checkbox"/> 900 Lakeside Drive, Mobile, AL 36693	Phone: (205) 666-6633	Fax: (205) 666-6696
<input type="checkbox"/> 6712 Benjamin Road, Suite 100, Tampa, FL 33634	Phone: (813) 885-7427	Fax: (813) 885-7049
<input type="checkbox"/> 100 Alpha Drive, Suite 110, Destrehan, LA 70047	Phone: (504) 764-1100	Fax: (504) 725-1163

PROJECT REFERENCE		PROJECT NO.		P.O. NUMBER		MATRIX TYPE		REQUIRED ANALYSES										PAGE 2 OF 2	
PROJECT LOC. (State)		SAMPLER(S) NAME		PHONE		FAX		CLIENT NAME		CLIENT PROJECT MANAGER		CLIENT ADDRESS (CITY, STATE, ZIP)		STANDARD REPORT DELIVERY <input type="checkbox"/>		EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/>		Date Due: _____	
SAMPLE		SL NO.		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED		REMARKS											
DATE		TIME																	
2-13	10:55			SL-5															
2-13	10:10			SL-1															
2-13	10:35			SL-3															
2-13	11:20			SL-7															
2-13	10:45			SL-4															
2-13	11:50			SL-9															
2-13	13:45			SL-11															
2-13	9:20			HW-1															
2-13	9:40			HW-2															
2-13	9:50			HW-3															
RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RELINQUISHED BY: (SIGNATURE)		DATE		TIME									
RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		DATE		TIME									

6010-5010

NONAQUEOUS LIQUID (oil, solvent, etc)

AIR

SOLID OR SEMISOLID

AQUEOUS (WATER)

PREP/ANALYST

DATE

REMARKS

1 TB for
this sampling
event per
Chris Paul.
SMA 2/14/97

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) DATE 2/13/97 TIME 4:00

SL LOG NO. 7086388

CUSTODY SEAL NO. 27-708638

CUSTODY INTACT ☒ YES ☐ NO

LABORATORY REMARKS: 2 sets of TB b not indicated on coc. SMA 2/14/97

18 MP 507

FILE	DATE & TIME	FILE TYPE	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
001	19123520165		GOOD			

COMMUNICATION RESULT REPORT

02-26-97 03:28PM

P001

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

- ☒ 25102 LaRoche Avenue, Savannah, GA 31404
☐ 2846 Industrial Plaza Drive, Tallahassee, FL 32311
☐ 414 SW 12th Avenue, Deerfield Beach, FL 33442
☐ 900 Lakeside Drive, Mobile, AL 36693
☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33636
☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

To: Lisa McCloud

PROJECT REFERENCE Savannah		PROJECT NO. 953-3825	PO. NUMBER
PROJECT LOC. (State) GA	SAMPLER(S) NAME	PHONE 770-446-1893	FAX
CLIENT NAME Golder	CLIENT PROJECT MANAGER Lisa McCloud		
CLIENT ADDRESS (CITY, STATE, ZIP) 3730 Chamber Tucker Rd Atlanta GA			

SAMPLE	SL		SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUB	MATRIX TYPE	REQUIRED
	DATE	TIME				
2-13	15:25		SW-1	2	NON-AQUEOUS LIQUID (oil, solvent, etc.)	
2-12	15:15		W-4	2	AIR	
2-12	14:40		W-5	2	AIR	
2-13	15:30		GW-3	2	AIR	
2-12	14:20		X4	2	AIR	
2-12	15:20		Duplicate	1	AIR	
2-13	15:15		Field Blank	2	AIR	
2-13	15:15		GW-1	1	AIR	
2-13	11:45		SL-6	1	AIR	
2-13	11:30		SL-8	1	AIR	
2-13	13:30		SL-10	1	AIR	
2-13	13:30		Duplicate	1	AIR	
2-13	10:25		SL-2	1	AIR	

RELINQUISHED BY: (SIGNATURE) [Signature]	DATE 2/27/97	TIME 5:30	RELINQUISHED BY: (SIGNATURE) [Signature]	DATE 2-13	TIME 16:40
RECEIVED BY: (SIGNATURE) [Signature]	DATE 2/27/97	TIME 4:00	RECEIVED BY: (SIGNATURE) [Signature]	DATE 2-13	TIME 16:40

LABORATORY USE ONLY	
RECEIVED BY: (SIGNATURE) [Signature]	DATE 2/27/97
CUSTODY IN/INTACT	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
CUSTODY SEAL NO.	51006
LABORATORY NO.	51006

SL SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

To: Lisa McCloud

Phone: (912) 354-7858
 Fax: (912) 352-0165
 Phone: (904) 878-3994
 Fax: (904) 878-9504
 Phone: (954) 421-7400
 Fax: (954) 421-2584
 Phone: (334) 666-6633
 Fax: (334) 666-6696
 Phone: (813) 885-7427
 Fax: (813) 885-7049
 Phone: (504) 764-1100
 Fax: (504) 725-1163

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 414 SW 12th Avenue, Deerfield Beach, FL 33442
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 6712 Benjamin Road, Suite 100, Tampa, FL 33634
 100 Alpha Drive, Suite 110, Destrehan, LA 70047

PROJECT REFERENCE Savannah		PROJECT NO. 953-3825	P.O. NUMBER	MATRIX TYPE		REQUIRED ANALYSES		PAGE 1 OF 2
PROJECT LOC. (State) GA	SAMPLER(S) NAME Golder	PHONE 770-496-1893	FAX	CLIENT PROJECT MANAGER Lisa McCloud		STANDARD REPORT DELIVERY <input checked="" type="checkbox"/> DELIVERY		
CLIENT NAME Golder		CLIENT ADDRESS (CITY, STATE, ZIP) 3730 Chamberlaine Tucker Rd Atlanta GA 30341		CLIENT PROJECT MANAGER Lisa McCloud		EXPEDITED REPORT DELIVERY (surcharge) <input type="checkbox"/>		Date Due: _____
SAMPLE	SL NO.	DATE	TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED	REMARKS		
2-13	15:25			Sw-1	2	* please do lead analysis that was incorrectly requested to VHS. Paul		
2-12	15:15			W-4	2			
2-12	14:40			W-5	2			
2-13	15:30			GW-3	2			
2-12	14:20			K4	1			
2-12	15:20			Duplicate	2			
2-13	15:15			Field Blank	1			
2-13	15:45			GW-1	1			
2-13	11:05			SL-6	1			
2-13	11:30			SL-8	1			
2-13	13:30			SL-10	1			
2-13	13:30			Duplicate	1			
2-13	10:25			SL-2	1			
RELINQUISHED BY: (SIGNATURE) Sharon Campbell		DATE 8/19/97	TIME 5:30	RELINQUISHED BY: (SIGNATURE)		DATE 2-13	TIME 16:40	
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	

RECEIVED FOR LABORATORY BY: (SIGNATURE) M. Samson		DATE 8/19/97	TIME 4:00	CUSTODY INTACT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		CUSTODY SEAL NO.	SL LOG NO. ST-70863	LABORATORY REMARKS Temp 5.7
--	--	-----------------	--------------	---	--	------------------	------------------------	--------------------------------



SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Phone: (912) 354-7858
Fax: (912) 352-0165
Phone: (904) 878-3994
Fax: (904) 878-9504
Phone: (954) 421-7400
Fax: (954) 421-2584
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6712 Benjamin Road, Suite 100, Tampa, FL 33634
100 Alpha Drive, Suite 110, Destrehan, LA 70047

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER		
Savannah		953-3825			
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX		
GA		770-446-1893			
CLIENT NAME	CLIENT PROJECT MANAGER				
Golden	Lisa McCleod				
CLIENT ADDRESS (CITY, STATE, ZIP)					
3730 Chamber Tucker Rd Atlanta GA 30341					
SAMPLE	SL NO.	SAMPLE IDENTIFICATION	MATRIX TYPE	REQUIRED ANALYSES	PAGE 1 OF 2
DATE	TIME				
2-13	15:25	SW-1	2		
2-12	15:15	W-4	2		
2-12	14:40	W-5	2		
2-13	15:30	GW-3	2		
2-12	14:20	X4	2		
2-12	15:20	Duplicate	1		
2-13	15:15	Field Blank	2		
2-13	15:45	GW-1	1		
2-13	11:05	SL-6	1		
2-13	11:30	SL-8	1		
2-13	13:30	SL-10	1		
2-13	13:30	Duplicate	1		
2-13	10:25	SL-2	1		
RELINQUISHED BY: (SIGNATURE)		RELINQUISHED BY: (SIGNATURE)	DATE	TIME	DATE
[Signature]		[Signature]	2-13	16:40	
RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)	DATE	TIME	DATE
[Signature]		[Signature]	2-13	16:40	

LABORATORY USE ONLY		LABORATORY REMARKS	
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
[Signature]	2/13/97	1:00	[Signature]
CUSTODY INTACT		CUSTODY SEALING	SEAL LOG NO.
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			97-70863
LABORATORY REMARKS		Temp 5.7	

ORIGINAL



SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX
CLIENT NAME <i>Golden</i>		CLIENT PROJECT MANAGER	
CLIENT ADDRESS (CITY, STATE, ZIP)			
REQUIRED ANALYSES			
MATRIX TYPE			
DATE			
PAGE 2 OF 2			

SAMPLE	SL NO.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-13 10:55		SL-5		
2-13 10:10		SL-1		
2-13 10:35		SL-3		
2-13 11:20		SL-7		
2-13 10:45		SL-4		
2-13 11:50		SL-9		
2-13 13:45		SL-11		
2-13 9:20		HW-1		
2-13 9:40		HW-2		
2-13 7:50		HW-3		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	2-13	16:40			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY SEALING	STORAGE NO.	LABORATORY REMARKS
<i>M. Sanborn</i>	2/13/97	4:00	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	7086358	

Phone: (912) 354-7858
Fax: (904) 878-9504
Phone: (904) 878-3994
Phone: (305) 421-2584
Phone: (205) 666-6633
Phone: (813) 885-7049
Phone: (504) 764-1100

5102 LaRoche Avenue, Savannah, GA 31404
12816 Industrial Plaza Drive, Tallahassee, FL 32301
414 SW 12th Avenue, Deerfield Beach, FL 33442
900 Lakeside Drive, Mobile, AL 36693
6712 Benjamin Road, Suite 100, Tampa, FL 33634
100 Alpha Drive, Suite 110, Destrehan, LA 70047

STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: _____

PREPERSATIVE

6010-784
NONAQUEOUS LIQUID (oil, solvent, etc.)
AQUEOUS (water)
SOLID OR SEMISOLID

SL SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Phone: (912) 354-7858
 Fax: (904) 878-3994
 Phone: (904) 878-3994
 Fax: (954) 421-2584
 Phone: (954) 421-7400
 Fax: (334) 666-6633
 Phone: (334) 666-6696
 Phone: (813) 885-7427
 Fax: (813) 885-7049
 Phone: (504) 764-1100
 Fax: (504) 725-1163

25102 LaRoche Avenue, Savannah, GA 31404
 2846 Industrial Plaza Drive, Tallahassee, FL 32301
 414 SW 12th Avenue, Deerfield Beach, FL 33442
 900 Lakeside Drive, Mobile, AL 36693
 6712 Benjamin Road, Suite 100, Tampa, FL 33634
 100 Alpha Drive, Suite 110, Desrehan, LA 70047

PROJECT REFERENCE		PROJECT NO.		P.O. NUMBER		REQUIRED ANALYSES		PAGE 1 OF 2	
PROJECT LOC: SAVANNAH		953-3825		PHONE 770-446-1873					
CLIENT NAME		CLIENT PROJECT MANAGER							
Golder		Lisa McClelland							
CLIENT ADDRESS (CITY, STATE, ZIP)									
730 Chamber Tucker Rd, Atlanta 611									
SAMPLE		SL NO.		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED		REMARKS	
DATE	TIME								
15:25				SW-1					
15:15				W-4					
14:40				W-5					
15:30				GW-3					
14:20				X4					
15:20				Duplicate					
15:15				Field Blank					
15:15				GW-1					
11:05				SL-6					
11:30				SL-8					
13:30				SL-10					
13:30				Duplicate					
12:25				SL-2					
RELINQUISHED BY: (SIGNATURE)		DATE		RELINQUISHED BY: (SIGNATURE)		DATE		TIME	
[Signature]		8/13/97		[Signature]		2-11		16:10	
RECEIVED BY: (SIGNATURE)		DATE		RECEIVED BY: (SIGNATURE)		DATE		TIME	
[Signature]		8/13/97		[Signature]		DATE		TIME	

RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE		CUSTODY/INTACT		CUSTODY SEALING		SL LOG NO		LABORATORY REMARKS	
[Signature]		8/13/97		4:00		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		89-70863			

Serial Number 9400

CLIENTS FILE 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

Page 1

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 %

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

Page 2

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

SL SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

To: Lisa McCloud

5102 LaRoche Avenue, Savannah, GA 31404
 2646 Industrial Plaza Drive, Tallahassee, FL 32301
 414 SW 12th Avenue, Deerfield Beach, FL 33442
 900 Lakeside Drive, Mobile, AL 36693
 6712 Benjamin Road, Suite 100, Tampa, FL 33634
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Phone: (912) 354-7858
 Phone: (904) 878-3994
 Phone: (954) 421-7400
 Phone: (334) 886-6633
 Phone: (813) 885-7427
 Phone: (504) 784-1100

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	MATRIX TYPE	REQUIRED ANALYSES		PAGE 1 OF 2
Savannah		953-3825	770-496-1893				
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX				
GA							
CLIENT NAME	CLIENT PROJECT MANAGER						
Goldier	Lisa McCloud						
CLIENT ADDRESS (CITY, STATE, ZIP)							
3730 Chamberlaine Trcker Rd Atlanta GA							
SAMPLE	DATE	TIME	SL NO.	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED	
2-13	15:25			Sw-1		2	
2-12	15:15			W-4		2	
2-12	14:40			W-5		2	
2-13	15:30			GW-3		2	
2-12	14:20			X4		2	
2-12	15:20			Duplicate		1	
2-13	15:15			Field Blank		2	
2-13	15:15			GW-1		1	
2-13	11:45			SL-6		1	
2-13	11:30			SL-8		1	
2-13	13:30			SL-10		1	
2-13	13:30			Duplicate		1	
2-13	10:25			SL-2		1	
RELINQUISHED BY: (SIGNATURE)				RELINQUISHED BY: (SIGNATURE)		DATE	
[Signature]				[Signature]		2-13 16:40	
RECEIVED BY: (SIGNATURE)				RECEIVED BY: (SIGNATURE)		DATE	
[Signature]				[Signature]		DATE	

8266 (No)
 6010-7 (C)
 NONAQUEOUS LIQUID (el. solvent etc)
 SOLID OR SEMISOLID
 AQUEOUS (WATER)
 AIR

REMARKS
 * please do lead analysis that was incorrectly requested do VBS. paul Limited well volume - early 15 sample

LABORATORY USE ONLY			
RECEIVED BY: (SIGNATURE)	DATE	TIME	LABORATORY SEAL NO.
[Signature]	2/13/97	4:00	8470863
RECEIVED BY: (SIGNATURE)	DATE	TIME	LABORATORY SEAL NO.
[Signature]	2/13/97	4:00	8470863

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

Page 1

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

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

Page 2

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	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

Page 3

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	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

Page 4

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	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

Page 5

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	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

Page 6

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	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

Page 7

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	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

Page 8

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	

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

Page 9

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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LOG NO: S7-71707
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Project: 953-3825.003/BRAMPTON ROAD

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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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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

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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	<5.9	<7.2	<5.7	<6.0	<7.7	
(Dichloromethane), ug/kg dw						
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-Dichloroethen e, 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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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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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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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-Dichloroethen e, 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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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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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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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	<5.0	---	---	<5.0	<5.0
(Dichloromethane), ug/kg dw					
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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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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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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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

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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: 14027049

Page 22

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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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

Page 23

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	<5.0	---	---
(Dichloromethane), ug/l			
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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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
Page 24


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

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PROJECT REFERENCE			PROJECT NO.		P.O. NUMBER		MATRIX TYPE		REQUIRED ANALYSES				PAGE 1 OF 5	
PROJECT LOC. (State)			SAMPLER(S) NAME		PHONE 770-442-1893		FAX							
CLIENT NAME			CLIENT PROJECT MANAGER											
GA			Chris Hemingway											
Golder Associates			Chris Paul											
3730 Chamber Tucker Rd			Atlanta GA											
SAMPLE		SL NO.	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED				REMARKS					
DATE	TIME													
3/26	9:10		SL-12											
3/26	9:20		SL-13											
3/26	9:25		SL-14											
3/26	9:35		SL-15											
3/26	9:40		SL-16											
3/26	9:50		SL-17											
3/26	10:00		SL-18											
3/26	10:05		SL-19											
3/26	10:25		SL-20											
3/26	11:00		SL-21											
3/26	11:10		SL-22											
3/26	11:20		SL-23											
3/26	11:27		SL-24											
RELINQUISHED BY: (SIGNATURE)		DATE		TIME	RELINQUISHED BY: (SIGNATURE)		DATE		TIME	DATE		TIME		
Sharon Campbell		3/27/97		5:45	Sharon Campbell		3/27		15:40					
RECEIVED BY: (SIGNATURE)		DATE		TIME	RECEIVED BY: (SIGNATURE)		DATE		TIME	DATE		TIME		
		3/27/97		3:10			3/27		15:40					
LABORATORY USE ONLY														
RECEIVED FOR LABORATORY BY: (SIGNATURE)				DATE		TIME		CUSTODY INTACT		CUSTODY SEAL NO.		SL LOG NO.		
Sharon Campbell				3/27/97		3:10		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				577707		
LABORATORY REMARKS:														

ORIGINAL

**SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.**

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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

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Phone: (504) 764-1100

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 Fax: (954) 421-2584
 Fax: (334) 666-6696
 Fax: (813) 885-7049
 Fax: (504) 725-1163

PROJECT REFERENCE			PROJECT NO.		P.O. NUMBER		REQUIRED ANALYSES		MATRIX TYPE		PAGE 2 OF 5	
PROJECT LOC. (State)		SAMPLER(S) NAME		PHONE FAX		CLIENT PROJECT MANAGER		NONAQUEOUS LIQUID (oil, solvent, etc)		AIR SOLID OR SEMISOLID		
CLIENT NAME		CLIENT ADDRESS (CITY, STATE, ZIP)		DATE		TIME		DATE		TIME		
Go Ver												
3/26		11:35		SL-25								
		11:43		SL-26								
		11:50		SL-27								
		12:40		SL-28								
		12:50		SL-29								
		13:00		SL-30								
		15:05		SL-31								
		13:10		SL-32								
		15:20		SL-33								
		13:28		SL-34								
		14:30		SL-35								
				SL-36								
RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RELINQUISHED BY: (SIGNATURE)		DATE		TIME		
RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		DATE		TIME		
D. Campbell		3/27/97		3:40				3-27		15:40		
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE		TIME		CUSTODY INTACT		CUSTODY SEAL NO.		SL LOG NO.		
						<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				57-11707		
LABORATORY REMARKS:												



SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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Phone: (813) 885-7427
Phone: (504) 725-1163

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	REQUIRED ANALYSES		PAGE 3 OF 5
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX	MATRIX TYPE	REMARKS	
CLIENT NAME <i>C. Alder</i>		CLIENT PROJECT MANAGER				
CLIENT ADDRESS (CITY, STATE, ZIP)						
SAMPLE DATE	SL NO.	SAMPLE IDENTIFICATION	MATRIX TYPE	NUMBER OF CONTAINERS SUBMITTED	REMARKS	
3/27 8:30		SL-BK1	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/27 9:00		SL-BK2	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/27 11:05		VSL-1-1	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/27 11:10		VSL-1-2	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/27 11:15		VSL-1-3	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/26 9:40		Duplicate 1-SL	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/26 11:50		Duplicate 2-SL	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/26 14:25		Duplicate 3-SL	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/27 11:30		VSL-2-1	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/27 11:35		VSL-2-2	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/27 11:40		VSL-2-3	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/27 10:05		SP-1	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
3/27 10:08		SP-2	NON-AQUEOUS LIQUID (oil, solvent, etc)	1		
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>		3/27	15:40	<i>[Signature]</i>		
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>						

LABORATORY USE ONLY				LABORATORY REMARKS:	
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY SEAL NO.	SL LOG NO.	
<i>[Signature]</i>	3/27	9:40		51-71707	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					

ORIGINAL

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SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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 Phone: (904) 878-3994
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- ☐ 5102 LaRoche Avenue, Savannah, GA 31404
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- ☐ 900 Lakeside Drive, Mobile, AL 36693
- ☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634
- ☐ 100 Alpha Drive, Suite 110, Drestrehan, LA 70047

PROJECT REFERENCE			PROJECT NO.		P.O. NUMBER		MATRIX TYPE		REQUIRED ANALYSES				PAGE 4 OF 5	
PROJECT LOC. (State)		SAMPLER(S) NAME		PHONE		FAX		CLIENT PROJECT MANAGER		CLIENT NAME		CLIENT ADDRESS (CITY, STATE, ZIP)		
3/27		9:55		3/27		9:55		3/27		9:55		3/27		
3/27		9:25		3/27		9:25		3/27		9:25		3/27		
3/27		9:35		3/27		9:35		3/27		9:35		3/27		
3/27		9:55		3/27		9:55		3/27		9:55		3/27		
3/25		10:30		3/25		10:30		3/25		10:30		3/25		
3/25		10:40		3/25		10:40		3/25		10:40		3/25		
3/25		10:45		3/25		10:45		3/25		10:45		3/25		
3/25		11:50		3/25		11:50		3/25		11:50		3/25		
3/25		10:55		3/25		10:55		3/25		10:55		3/25		
3/25		11:05		3/25		11:05		3/25		11:05		3/25		
3/25		11:10		3/25		11:10		3/25		11:10		3/25		
3/25		11:15		3/25		11:15		3/25		11:15		3/25		
3/25		11:20		3/25		11:20		3/25		11:20		3/25		
3/25		11:25		3/25		11:25		3/25		11:25		3/25		
3/25		11:30		3/25		11:30		3/25		11:30		3/25		
3/25		11:35		3/25		11:35		3/25		11:35		3/25		
3/25		11:40		3/25		11:40		3/25		11:40		3/25		
3/25		11:45		3/25		11:45		3/25		11:45		3/25		
3/25		11:50		3/25		11:50		3/25		11:50		3/25		
3/25		11:55		3/25		11:55		3/25		11:55		3/25		
3/25		12:00		3/25		12:00		3/25		12:00		3/25		
3/25		12:05		3/25		12:05		3/25		12:05		3/25		
3/25		12:10		3/25		12:10		3/25		12:10		3/25		
3/25		12:15		3/25		12:15		3/25		12:15		3/25		
3/25		12:20		3/25		12:20		3/25		12:20		3/25		
3/25		12:25		3/25		12:25		3/25		12:25		3/25		
3/25		12:30		3/25		12:30		3/25		12:30		3/25		
3/25		12:35		3/25		12:35		3/25		12:35		3/25		
3/25		12:40		3/25		12:40		3/25		12:40		3/25		
3/25		12:45		3/25		12:45		3/25		12:45		3/25		
3/25		12:50		3/25		12:50		3/25		12:50		3/25		
3/25		12:55		3/25		12:55		3/25		12:55		3/25		
3/25		13:00		3/25		13:00		3/25		13:00		3/25		
3/25		13:05		3/25		13:05		3/25		13:05		3/25		
3/25		13:10		3/25		13:10		3/25		13:10		3/25		
3/25		13:15		3/25		13:15		3/25		13:15		3/25		
3/25		13:20		3/25		13:20		3/25		13:20		3/25		
3/25		13:25		3/25		13:25		3/25		13:25		3/25		
3/25		13:30		3/25		13:30		3/25						

RECEIVED FOR LABORATORY BY (SIGNATURE) <i>[Signature]</i>		DATE <i>10/16/2010</i>	TIME <i>3:40</i>	LABORATORY USE ONLY		LABORATORY REMARKS:
				CUSTODY SEAL NO.	SL LOG NO. <i>10117</i>	
				CUSTODY INTACT	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	

**SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.**

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

<input type="checkbox"/> 5102 LaRoche Avenue, Savannah, GA 31404	Phone: (912) 354-7858	Fax: (912) 352-0165
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<input type="checkbox"/> 900 Lakeside Drive, Mobile, AL 36693	Phone: (334) 666-6633	Fax: (334) 666-6696
<input type="checkbox"/> 6712 Benjamin Road, Suite 100, Tampa, FL 33634	Phone: (813) 885-7427	Fax: (813) 885-7049
<input type="checkbox"/> 100 Alpha Drive, Suite 1110, Destrehan, LA 70047	Phone: (504) 764-1100	Fax: (504) 725-1163

[illegible]

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

Page 1

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 %	

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& ENVIRONMENTAL SERVICES, INC.

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3730 Chamblee Tucker Road
Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 14167069

Page 2

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

Page 3

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
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Ms. Chris Paul
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Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 11577069

Page 4

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



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.	PO NUMBER	MATRIX TYPE		REQUIRED ANALYSES		PAGE 4 OF 5	
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX	CLIENT PROJECT MANAGER					
CLIENT NAME									
CLIENT ADDRESS (CITY, STATE, ZIP)									
SAMPLE	DATE	TIME	SL NO	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED		REMARKS	
3/27	9:55			SP-3					
3/27	9:25			SP-4				Pb 6010-1	
3/27	9:35			SP-5				Pb 6010-1	
3/27	9:55			SP-6				Pb 6010-1	
3/25	10:30			GW-2-1					
3/25	10:40			GW-2-2					
3/25	10:45			GW-2-3					
3/25	10:50			GW-2-4					
3/25	10:55			GW-2-5					
3/25	11:05			GW-2-6					
3/25	11:10			GW-2-7					
3/25	11:15			GW-2-8					
3/25	11:30			GW-2-Duplicate					
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
EMPTY CONTAINERS									
RECEIVED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
EMPTY CONTAINERS									

LABORATORY USE ONLY		LABORATORY REMARKS	
RECEIVED FOR LABORATORY (SIGNATURE)	DATE	CUSTODY INTACT	LOG NO
<i>[Signature]</i>	3/27	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3101



SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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PROJECT REFERENCE		PROJECT NO.		P.O. NUMBER		MATRIX TYPE		REQUIRED ANALYSES		PAGE 3 OF 5	
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE		FAX		PROJECT MANAGER					
CLIENT NAME		CLIENT PROJECT MANAGER									
CLIENT ADDRESS (CITY, STATE, ZIP)											
SAMPLE		SI NO.		SAMPLE IDENTIFICATION		AQUEOUS (WATER)		NON-AQUEOUS LIQUID (oil, solvent, etc)		PRESERVATIVE	
DATE	TIME										
3/27	8:30			SL-8K1		X		6010 T			
3/27	9:00			SL-8K2		X		8240 VOCs			
3/27	11:05			VSL-1-1		X					
3/27	11:10			VSL-1-2		X					
3/27	11:15			VSL-1-3		X					
3/26	9:40			Duplicate 1-5L		X					
3/26	11:50			Duplicate 2-5L		X					
3/26	14:25			Duplicate 3-5L		X					
3/27	11:30			VSL-2-1		X					
3/27	11:35			VSL-2-2		X					
3/27	11:40			VSL-2-3		X					
3/27	10:05			SP-1		X				(5011)	
3/27	10:08			SP-2		X				(5011)	
RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RELINQUISHED BY: (SIGNATURE)		DATE		TIME	
EMPTY CONTAINERS		3/27		15:40		3/27		15:40			
RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		DATE		TIME	
EMPTY CONTAINERS		3/27		15:40		3/27		15:40			
LABORATORY USE ONLY											
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE		TIME		CUSTODY BEARING		SITING NO.		LABORATORY REMARKS	
3/27		3/27		15:40		3/27		3/27		3/27	



SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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PROJECT REFERENCE		PROJECT NO.	PO NUMBER	PAGE 2 OF 5	
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX	REQUIRED ANALYSES	
CLIENT NAME	CLIENT PROJECT MANAGER				
CLIENT ADDRESS (CITY, STATE, ZIP)					
SAMPLE	DATE	TIME	SL NO.	SAMPLE IDENTIFICATION	REMARKS
3/26	11:35			SL-25	
	11:43			SL-26	
	11:50			SL-27	
	12:40			SL-28	
	12:50			SL-29	
	13:00			SL-30	
	13:05			SL-31	
	13:10			SL-32	
	13:20			SL-33	
	13:28			SL-34	
	14:50			SL-35	
				SL-36	
RELINQUISHED BY: (SIGNATURE) DATE TIME RELINQUISHED BY: (SIGNATURE) DATE TIME					
EMPTY CONTAINERS					
RECEIVED BY: (SIGNATURE) DATE TIME RECEIVED BY: (SIGNATURE) DATE TIME					
EMPTY CONTAINERS					

LABORATORY USE ONLY			
RECEIVED FOR LABORATORY (SIGNATURE)	DATE	TIME	REMARKS
<i>[Signature]</i>	3/27/07	3:40	
CUSTODY SEAL NO. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
SLUG NO. 311101			

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

& ENVIRONMENTAL SERVICES, INC.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

<input checked="" type="checkbox"/> 5102 LaRoche Avenue, Savannah, GA 31404	Phone: (912) 354-7858	Fax: (912) 352-0165
<input type="checkbox"/> 2846 Industrial Plaza Drive, Tallahassee, FL 32301	Phone: (904) 878-3994	Fax: (904) 878-9504
<input type="checkbox"/> 414 SW 12th Avenue, Deerfield Beach, FL 33442	Phone: (954) 421-7400	Fax: (954) 421-2584
<input type="checkbox"/> 900 Lakeside Drive, Mobile, AL 36693	Phone: (334) 666-6633	Fax: (334) 666-6596
<input type="checkbox"/> 6712 Benjamin Road, Suite 100, Tampa, FL 33634	Phone: (813) 885-7427	Fax: (813) 885-7049
<input type="checkbox"/> 100 Alpha Drive, Suite 110, Drestrehan, LA 70047	Phone: (504) 764-1100	Fax: (504) 725-1163

PROJECT REFERENCE 953-3825 Samsco / Brampton RI						PROJECT NO.		P.O. NUMBER	
PROJECT LOC. (State)		SAMPLER(S) NAME		PHONE 770-496-1893		FAX			
GA		Chris Hemingway							
CLIENT NAME				CLIENT PROJECT MANAGER					
Golder Associates				Chris Paul					
CLIENT ADDRESS (CITY, STATE, ZIP)									
3730 Chamblee Tucker Rd Atlanta GA									
SAMPLE	DATE	TIME	S/N	SAMPLE IDENTIFICATION					
3/26	9:10			SL-12					
	9:20			SL-13					
	9:25			SL-14					
	9:35			SL-15					
	9:40			SL-16					
	9:50			SL-17					
	10:20			SL-18					
	10:35			SL-19					
	10:25			SL-20					
	11:00			SL-21					
	11:10			SL-22					
	11:20			SL-23					
	11:27			SL-24					
RELINQUISHED BY: (SIGNATURE) EMPTY CONTAINERS				DATE 3/27/07		TIME 5:45		RELINQUISHED BY: (SIGNATURE)	
RECEIVED BY: (SIGNATURE)				DATE 3/27/07		TIME 5:45		RECEIVED BY: (SIGNATURE)	
EMPTY CONTAINERS									
LABORATORY USE ONLY									
RECEIVED FOR LABORATORY BY: (SIGNATURE)				DATE 3/27/07		TIME 5:45		CUSTODY IN TRANSIT	
O. Campbell				3/27/07		5:45		YES [] NO [x]	
LABORATORY REMARKS				SI LOG NO		CUSTODY SEAL NO		LABORATORY SEALING	

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:

sample out-of-held date for Hg has expired
June 6 6/6/97

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.

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
FAX No.: 912-352-0165
TO: Savannah Labs
ATTN: Lisa McCloud
FR: Chris Paul
RE: SAMPLES FOR LEACHING FOR LEAD

JOB No.:

953-3825

Hard Copy to Follow: ☐ Yes ☒ NoTotal Number of Pages
(including this cover page)**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 & SL-615/17
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

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.



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 Waters
Project Manager

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Date: 3/8/12 Page

/ of /

[illegible]

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WTW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: AMEC E&I, Inc.
Project: 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203706-001

Client Sample ID: EW-2
Collection Date: 3/7/2012 11:30:00 AM
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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203706-001

Client Sample ID: EW-2
 Collection Date: 3/7/2012 11:30:00 AM
 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203706-002

Client Sample ID: W-5
Collection Date: 3/8/2012 10:00:00 AM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203706-002

Client Sample ID: W-5
Collection Date: 3/8/2012 10:00:00 AM
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
 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
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203706-003

Client Sample ID: GW-1
Collection Date: 3/8/2012 11:09:00 AM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203706-003

Client Sample ID: GW-1
Collection Date: 3/8/2012 11:09:00 AM
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
 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
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203706-004

Client Sample ID: GW-7
Collection Date: 3/8/2012 12:08:00 PM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203706-004

Client Sample ID: GW-7
Collection Date: 3/8/2012 12:08:00 PM
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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203706-005

Client Sample ID: EW-1
 Collection Date: 3/8/2012 1:00:00 PM
 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203706-005

Client Sample ID: EW-1
 Collection Date: 3/8/2012 1:00:00 PM
 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
- 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
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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203706-006

Client Sample ID: TRIP BLANK
 Collection Date: 3/8/2012
 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203706-006

Client Sample ID: TRIP BLANK
 Collection Date: 3/8/2012
 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
- 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.

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? ($4^{\circ}\text{C} \pm 2$)* 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.

\\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

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:					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

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:					Units: ug/L	Prep Date: 03/13/2012	Run No: 216900			
SampleType: MSD	TestCode: GC Analysis of Gaseous Samples	SOP-RSK 175				BatchID: 158866	Analysis Date: 03/13/2012	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	
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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	
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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	
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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	
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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	
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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	
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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	
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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	
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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	
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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	
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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	
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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	
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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	
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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 0

Sample ID: LCS-R216789		Client ID:			Units: mg/L		Prep Date:		Run No: 216789		
SampleType: LCS		TestCode: Ferrous Iron			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		



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 Waters
Project Manager

Revision 3/30/2012



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: **103734**

Date: **3/8/12** Page **1** of **4**

COMPANY:		ADDRESS:		ANALYSIS REQUESTED		REMARKS		No # of Containers	
NAME:		ADDRESS:		PROJECT NAME:		PROJECT INFORMATION		RECEIPT	
PHONE:		FAX:		PROJECT #:		SITE ADDRESS:		Total # of Containers	
SAMPLED BY:		SIGNATURE:		SEND REPORT TO:		INVOICE TO:		Turnaround Time Request	
SAMPLE ID		SHIPMENT METHOD		DATE/TIME		DATE/TIME		Standard 5 Business Days	
#	SAMPLED	DATE	TIME	Grab	Composite	Matrix	DATE/TIME	DATE/TIME	2 Business Day Rush
						(See codes)			Next Business Day Rush
1	EW-01 2-4	3/5/12	1546	X		SO	3/6/12	0844	Same Day Rush (auth req.)
2	EW-01 10-12								Other
3	GP-01 1-2		1610						STATE PROGRAM (if any):
4	GP-01 3-4		1613						E-mail? Y / N; Fax? Y / N
5	GP-04 7'		1651						DATA PACKAGE: I II III IV
6	GP-03 1-2		1700						
7	GP-03 6-7		1707						
8	GP-02 1-2		1712						
9	GP-02 3-4	3/5/12	1714						
10	GP-09 1-2	3/6/12	0817						
11	GP-09 5-6		0819						
12	GP-10 0-1		0840						
13	GP-10 2-3		0841						
14	GP-10 6-7	3/6/12	0844	X		SO			

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

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 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+1 = Hydrochloric acid + ice, I = Ice only, N = Nitric acid, S+1 = Sulfuric acid + ice, SM+1 = Sodium Bisulfate/Methanol + ice, NA = None.

SHIPMENT METHOD: OUT / IN, VIA: GREYHOUND, UPS, MAIL, COURIER.

SPECIAL INSTRUCTIONS/COMMENTS:



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

Page 3 of 4

Date: 3/16/12

COMPANY:		ADDRESS:		ANALYSIS REQUESTED		REMARKS		No # of Containers	
PHONE:		FAX:		SIGNATURE:		DATE:		TIME:	
SAMPLED BY:		SAMPLE ID		SAMPLED		DATE		TIME	
#		SAMPLE ID		SAMPLED		DATE		TIME	
				Grab		Composite		Matrix	
				Grab		Composite		Matrix	
1	GP-17 2'	3/6/12	1347	X					SO
2	GP-18 1'		1401						
3	GP-18 2'		1403						
4	FW-2 3-4'		1423						
5	FW-2 5-6'		1426						
6	GP-19 - 1'		1600						
7	GP-19 2'		1602						
8	GP-19 2-3'		1625						
9	GP-08 6-7'	3/6/12	1648						
10	GP-07 1'	3/7/12	0823						
11	GP-07 2'	3/7/12	0824						
12	GP-06 4-5'	3/7/12	0846						
13	GP-06								
14	GP-20 1'	3/7/12	0905	X					SO
RELINQUISHED BY:		DATE/TIME		RECEIVED BY:		DATE/TIME		PROJECT INFORMATION	
1: <i>[Signature]</i>		3/16/12 5:50		1: <i>[Signature]</i>		3/16/12 5:50		PROJECT NAME: 139 Bampf. Rd Property	
2: <i>[Signature]</i>		3/16/12 5:50		2: <i>[Signature]</i>		3/16/12 5:50		PROJECT #: 6121 09 0220	
3: <i>[Signature]</i>		3/16/12 5:50		3: <i>[Signature]</i>		3/16/12 5:50		SITE ADDRESS: Samuel GA	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		SEND REPORT TO:		INVOICE TO:		TURNAROUND TIME REQUEST	
		OUT / / VIA:		Tyler Books		(IF DIFFERENT FROM ABOVE)		Standard 5 Business Days	
		IN / / VIA:		Tyler Books				2 Business Day Rush	
		CLIENT FedEx UPS MAIL COURIER						Next Business Day Rush	
		GREYHOUND OTHER						Same Day Rush (auth req.)	
								Other	
								STATE PROGRAM (if any):	
								E-mail? Y / N, Fax? Y / N	
								DATA PACKAGE: I II III IV	
								QUOTE #:	
								PO#:	
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.									
MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify) WW = Waste Water									
PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/M+1 = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None									

White Copy - Original; Yellow Copy - Client

COMPANY:		ADDRESS:		396 Plasters Ave Athens GA		ANALYSIS REQUESTED		Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.		No # of Containers	
PHONE:		FAX:		404 817 0153		SIGNATURE:		404 817 0183			
SAMPLED BY:		SIGNATURE:		Tyler Blyler		DATE:		TIME:			
SAMPLE ID		SAMPLED		DATE		TIME		Grab		Composite	
#		DATE		TIME		Grab		Composite		Matrix (See codes)	
1	GP-20 2'	3/7/12	0906	X							
2	GP-21 1'		0918								
3	GP-21 2'		0920								
4	GP-22 1'		1317								
5	GP-22 2'		1319								
6	GP-25 3-4'		1335								
7	GP-24 3-4		1355								
8	GP-26 2-3		1407								
9	GP-23 2'	3/7/12	1423	X							
10	SP-1	3/8/12	0815	X							
11	SP-2	3/8/12	0945	X							
12	TRIP BLANK										
13											
14											
RELINQUISHED BY:		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION		RECEIPT	
1: [Signature]		3/8/12 5:50		1: [Signature]		3/8/12 5:50		PROJECT NAME: 139 Brampton Rd Paphy		Total # of Containers 26	
2: [Signature]				2: [Signature]				PROJECT #: 6121 09 0220		Turnaround Time Request: Standard 5 Business Days	
3: [Signature]				3: [Signature]				SITE ADDRESS: Savannah, GA		2 Business Day Rush	
								SEND REPORT TO: Tyler Blyler		Next Business Day Rush	
								INVOICE TO: (IF DIFFERENT FROM ABOVE)		Same Day Rush (auth req.)	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				OUT / / VIA:		Other	
				IN CLIENT FedEx UPS MAIL COURIER				GREYHOUND OTHER		STATE PROGRAM (if any):	
								QUOTE #:		E-mail? Y / N; Fax? Y / N	
								PO#:		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.

MATRICES: 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 NA = None O = Other (specify)

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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-001

Client Sample ID: EW-01 2-4
Collection Date: 3/5/2012 3:46:00 PM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-001

Client Sample ID: EW-01 2-4
Collection Date: 3/5/2012 3:46:00 PM
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
 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
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
- 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 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
- 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-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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-005

Client Sample ID: GP-04 7'
Collection Date: 3/5/2012 4:51:00 PM
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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-006

Client Sample ID: GP-03 1-2
 Collection Date: 3/5/2012 5:00:00 PM
 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
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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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-006

Client Sample ID: GP-03 1-2
Collection Date: 3/5/2012 5:00:00 PM
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:

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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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-006

Client Sample ID: GP-03 1-2
 Collection Date: 3/5/2012 5:00:00 PM
 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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-007

Client Sample ID: GP-03 6-7
Collection Date: 3/5/2012 5:07:00 PM
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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-007

Client Sample ID: GP-03 6-7
 Collection Date: 3/5/2012 5:07:00 PM
 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-007

Client Sample ID: GP-03 6-7
Collection Date: 3/5/2012 5:07:00 PM
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
 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-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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-010

Client Sample ID: GP-09 1-2
 Collection Date: 3/6/2012 8:17:00 AM
 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-010

Client Sample ID: GP-09 1-2
Collection Date: 3/6/2012 8:17:00 AM
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
 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-010

Client Sample ID: GP-09 1-2
 Collection Date: 3/6/2012 8:17:00 AM
 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:

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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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-011

Client Sample ID: GP-09 5-6
Collection Date: 3/6/2012 8:19:00 AM
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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-011

Client Sample ID: GP-09 5-6
 Collection Date: 3/6/2012 8:19:00 AM
 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
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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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-011

Client Sample ID: GP-09 5-6
 Collection Date: 3/6/2012 8:19:00 AM
 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:

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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc**Date:** 29-Mar-12

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-012

Client Sample ID: GP-10 0-1
Collection Date: 3/6/2012 8:40:00 AM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-013

Client Sample ID: GP-10 2-3
Collection Date: 3/6/2012 8:41:00 AM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-013

Client Sample ID: GP-10 2-3
Collection Date: 3/6/2012 8:41:00 AM
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
 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
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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-014

Client Sample ID: GP-10 6-7'
 Collection Date: 3/6/2012 8:44:00 AM
 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-014

Client Sample ID: GP-10 6-7'
Collection Date: 3/6/2012 8:44:00 AM
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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-014

Client Sample ID: GP-10 6-7'
 Collection Date: 3/6/2012 8:44:00 AM
 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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-015

Client Sample ID: GP-11 0-1
Collection Date: 3/6/2012 9:14:00 AM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-016

Client Sample ID: GP-11 1-2
Collection Date: 3/6/2012 9:15:00 AM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-017

Client Sample ID: GP-12 0-1
Collection Date: 3/6/2012 9:33:00 AM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-018

Client Sample ID: GP-12 1-2
Collection Date: 3/6/2012 9:34:00 AM
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
- 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-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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-020

Client Sample ID: GP-13 1-2
Collection Date: 3/6/2012 9:56:00 AM
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
- 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-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
- 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-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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-023

Client Sample ID: GP-15 1'
Collection Date: 3/6/2012 10:20:00 AM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-024

Client Sample ID: GP-15 2'
Collection Date: 3/6/2012 10:21:00 AM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-025

Client Sample ID: GP-16 1-2
Collection Date: 3/6/2012 1:25:00 PM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-025

Client Sample ID: GP-16 1-2
Collection Date: 3/6/2012 1:25:00 PM
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
 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-025

Client Sample ID: GP-16 1-2
 Collection Date: 3/6/2012 1:25:00 PM
 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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-026

Client Sample ID: GP-16 6-7
Collection Date: 3/6/2012 1:29:00 PM
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	7.7		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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-026

Client Sample ID: GP-16 6-7
Collection Date: 3/6/2012 1:29:00 PM
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:

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- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-026

Client Sample ID: GP-16 6-7
Collection Date: 3/6/2012 1:29:00 PM
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

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Analytical Environmental Services, Inc
Date: 29-Mar-12

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-027

Client Sample ID: DUP-1
Collection Date: 3/6/2012 1:30:00 PM
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
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 N Analyte not NELAC certified
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Analytical Environmental Services, Inc

Date: 29-Mar-12

Client: AMEC E&I, Inc.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-027

Client Sample ID: DUP-1
 Collection Date: 3/6/2012 1:30:00 PM
 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:

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- Narr See case narrative
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Analytical Environmental Services, Inc

Date: 29-Mar-12

Client: AMEC E&I, Inc.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-027

Client Sample ID: DUP-1
 Collection Date: 3/6/2012 1:30:00 PM
 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
- 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-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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-029

Client Sample ID: GP-17 2'
Collection Date: 3/6/2012 1:47:00 PM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-030

Client Sample ID: GP-18 1'
Collection Date: 3/6/2012 2:01:00 PM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-031

Client Sample ID: GP-18 2'
Collection Date: 3/6/2012 2:03:00 PM
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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-032

Client Sample ID: EW-2 3-4'
 Collection Date: 3/6/2012 2:23:00 PM
 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	5.4		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
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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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-032

Client Sample ID: EW-2 3-4'
Collection Date: 3/6/2012 2:23:00 PM
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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-032

Client Sample ID: EW-2 3-4'
 Collection Date: 3/6/2012 2:23:00 PM
 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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-033

Client Sample ID: EW-2 5-6'
 Collection Date: 3/6/2012 2:26:00 PM
 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-033

Client Sample ID: EW-2 5-6'
Collection Date: 3/6/2012 2:26:00 PM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-033

Client Sample ID: EW-2 5-6'
Collection Date: 3/6/2012 2:26:00 PM
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
 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-034

Client Sample ID: GP-19 1'
Collection Date: 3/6/2012 4:00:00 PM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-035

Client Sample ID: GP-19 2'
Collection Date: 3/6/2012 4:02:00 PM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-036

Client Sample ID: GP-05 2-3
Collection Date: 3/6/2012 4:25:00 PM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-036

Client Sample ID: GP-05 2-3
Collection Date: 3/6/2012 4:25:00 PM
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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-036

Client Sample ID: GP-05 2-3
 Collection Date: 3/6/2012 4:25:00 PM
 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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-037

Client Sample ID: GP-08 6-7
Collection Date: 3/6/2012 4:48:00 PM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-037

Client Sample ID: GP-08 6-7
Collection Date: 3/6/2012 4:48:00 PM
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
- 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
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
- 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-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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-039

Client Sample ID: GP-07 2'
Collection Date: 3/7/2012 8:24:00 AM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-040

Client Sample ID: GP-06 4-5'
Collection Date: 3/7/2012 8:46:00 AM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-040

Client Sample ID: GP-06 4-5'
Collection Date: 3/7/2012 8:46:00 AM
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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-040

Client Sample ID: GP-06 4-5'
 Collection Date: 3/7/2012 8:46:00 AM
 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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-041

Client Sample ID: GP-20 1'
Collection Date: 3/7/2012 9:05:00 AM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-043

Client Sample ID: GP-21 1'
Collection Date: 3/7/2012 9:18:00 AM
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
- 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-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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-047

Client Sample ID: GP-25 3-4'
 Collection Date: 3/7/2012 1:35:00 PM
 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-047

Client Sample ID: GP-25 3-4'
Collection Date: 3/7/2012 1:35:00 PM
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
 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-047

Client Sample ID: GP-25 3-4'
 Collection Date: 3/7/2012 1:35:00 PM
 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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-048

Client Sample ID: GP-24 3-4'
Collection Date: 3/7/2012 1:55:00 PM
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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-048

Client Sample ID: GP-24 3-4'
 Collection Date: 3/7/2012 1:55:00 PM
 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
- 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
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-049

Client Sample ID: GP-26 2-3'
Collection Date: 3/7/2012 2:07:00 PM
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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-049

Client Sample ID: GP-26 2-3'
Collection Date: 3/7/2012 2:07:00 PM
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
- 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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203734-049

Client Sample ID: GP-26 2-3'
 Collection Date: 3/7/2012 2:07:00 PM
 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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-050

Client Sample ID: GP-23 2'
Collection Date: 3/7/2012 2:23:00 PM
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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-051

Client Sample ID: SP-1
Collection Date: 3/8/2012 8:15:00 AM
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
- 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: 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
- 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-053

Client Sample ID: TRIP BLANK
Collection Date: 3/7/2012
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
- 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-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
- 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.

Sample/Cooler Receipt Checklist

Client AARC

Work Order Number 1203734

Checklist completed by [Signature] Date 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.

\\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:				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
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	
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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	
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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	
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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	
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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:					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

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	
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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	
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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	
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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	
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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	
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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	
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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.

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 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: 1203 K17

Date: 3/27/12 Page 1 of 1

COMPANY: AMEL		ADDRESS: 396 Plakka Ave		ANALYSIS REQUESTED		Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.		No # of Containers	
PHONE: 404 817 0153	FAX: 404 817 0183	SIGNATURE: <i>[Signature]</i>		PRESERVATION (See codes)		REMARKS			
SAMPLED BY: Tyk-Borke	SAMPLE ID	DATE		TIME	Grab	Composite	Matrix (See codes)		
		DATE		TIME	Grab	Composite	Matrix (See codes)		
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									
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 3/27/12 1405	RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 3/23/12 2:05	PROJECT INFORMATION					
PROJECT NAME: 139 Brampton Road Property		PROJECT #: 6121 09 0220		SITE ADDRESS: Savannah, GA		SEND REPORT TO: Tyk-Borke		INVOICE TO: (IF DIFFERENT FROM ABOVE)	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		OUT / / VIA:		IN / / VIA:		GREYHOUND UPS MAIL COURIER 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.		STATE PROGRAM (if any):		E-mail? Y / N:		Fax? Y / N:		DATA PACKAGE: I II III IV	
TURNAROUND TIME REQUEST		Standard 5 Business Days		2 Business Day Rush		Next Business Day Rush		Same Day Rush (auth req.)	
Other		X		X		X		X	
Total # of Containers		2		Turnaround Time Request		Standard 5 Business Days		2 Business Day Rush	
Next Business Day Rush		Same Day Rush (auth req.)		Other		X		X	

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+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/M+1 = 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203K17-001

Client Sample ID: GP-13 2-3'
Collection Date: 3/6/2012 9:57:00 AM
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
 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-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
- 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.

Sample/Cooler Receipt Checklist

Client Mackec

Work Order Number 1203 K17

Checklist completed by Marla 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.

\\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: 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		



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 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

1203263
Work Order: 1203263

DATE: 3/8/12 Page 1 of 4

COMPANY		ADDRESS		SAMPLE ID		SAMPLED		DATE		TIME		COMPOSITE		MATRIX		ANALYSIS REQUESTED		REMARKS		No # of Containers	
PHONE: 404 817 0183		FAX: 404 817 0183		SIGNATURE: <i>[Signature]</i>		DATE		TIME		COMPOSITE		MATRIX		ANALYSIS REQUESTED		REMARKS		No # of Containers			
SAMPLED BY: Tyler Barty		FAX: 404 817 0183		SIGNATURE: <i>[Signature]</i>		DATE		TIME		COMPOSITE		MATRIX		ANALYSIS REQUESTED		REMARKS		No # of Containers			
1	EW-01 2-4	3/5/12	1546	X																6	
2	EW-01 10-12																			1	
3	GP-01 1-2																			1	
4	GP-01 3-4																			1	
5	GP-04 7'																			1	
6	GP-03 1-2																			6	
7	GP-03 6-7																			6	
8	GP-02 1-2																			1	
9	GP-02 3-4																			1	
10	GP-09 1-2																			6	
11	GP-09 5-6																			6	
12	GP-10 0-1																			1	
13	GP-10 2-3																			6	
14	GP-10 6-7																			6	

RELINQUISHED BY: <i>[Signature]</i>		DATE/TIME: 3/8/12 2:00		RECEIVED BY: <i>[Signature]</i>		DATE/TIME: 3/8/12 5:50	
1: <i>[Signature]</i>		3/8/12 2:00		1: 139 Brandon Rd Property		6/21 09 0220	
2: <i>[Signature]</i>		3/8/12 2:00		PROJECT #:		SITE ADDRESS: Samuel GA	
3: <i>[Signature]</i>		3/8/12 2:00		SEND REPORT TO: Tyler Barty		INVOICE TO: (IF DIFFERENT FROM ABOVE)	

SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		DATE/TIME	
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.		OUT / / VIA: <i>[Signature]</i>		DATE/TIME: 3/8/12 5:50	
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.		IN / / VIA: <i>[Signature]</i>		DATE/TIME: 3/8/12 5:50	

STATE PROGRAM (if any)		E-mail? Y / N		Fax? Y / N		DATA PACKAGE: I II III IV	
Standard 5 Business Days		Y / N		Y / N		I II III IV	
2 Business Day Rush		Y / N		Y / N		I II III IV	
Next Business Day Rush		Y / N		Y / N		I II III IV	
Same Day Rush (auth req.)		Y / N		Y / N		I II III IV	
Other		Y / N		Y / N		I II III IV	



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

1600
3/10/12
1203L63
Work Order: 1203734

Date: 3/16/12 Page 2 of 4

COMPANY:		ADDRESS:		ANALYSIS REQUESTED		REMARKS		No. of Containers	
AMEL		396 Phylis, Ac Atlanta GA		Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.					
PHONE: 404 817 0153		FAX: 404 817 0183							
SAMPLED BY: Tyler Boyles		SIGNATURE: <i>[Signature]</i>							
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)		REMARKS
		DATE	TIME						
1	GP-11 0-1	3/16/12	0914	X		SC	NA	NA	
2	GP-11 1-2		0915				NA	NA	
3	GP-12 0-1		0933				NA	NA	
4	GP-12 1-2		0934				NA	NA	
5	GP-13 0-1		0954				NA	NA	
6	GP-13 1-2		0956				NA	NA	
7	GP-14 1'		1006				NA	NA	
8	GP-14 2'		1007				NA	NA	
9	GP-15 - 1		1020				NA	NA	
10	GP-15 2'		1021				NA	NA	
11	GP-16 1-2		1325				NA	NA	
12	GP-16 6-7		1329				NA	NA	
13	DUP-1		1330				NA	NA	
14	GP-17 1		1345	X		SD	NA	NA	
RELINQUISHED BY: <i>[Signature]</i>		DATE/TIME: 3/16/12 9:00		RECEIVED BY: <i>[Signature]</i>		DATE/TIME: 3/16/12 5:50		PROJECT INFORMATION	
1. <i>[Signature]</i>		2. <i>[Signature]</i>		3. <i>[Signature]</i>		PROJECT NAME: 139 Bamber Rd Property		PROJECT #:	
						SITE ADDRESS: 6121 ON 0220		SEND REPORT TO: Samuel, GA	
						SHIPMENT METHOD: OUT / / VIA: CLIENT FedEx UPS MAIL COURIER		INVOICE TO: Tyler Boyles	
SPECIAL INSTRUCTIONS/COMMENTS:								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	
								Total # of Containers: 29	



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

REV 1203 L63
3/21/10 Work Order: 1203734

Date: 3/8/12 Page 4 of 4

COMPANY:		ADDRESS:		396 Plastics Ave Atlanta GA		ANALYSIS REQUESTED		Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.		No # of Containers	
PHONE		FAX:		SIGNATURE:		SAMPLED		PRESERVATION (See codes)		REMARKS	
SAMPLED BY:		DATE		TIME		Grab		Composite		Matrix (See codes)	
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	SW	NA	PAH	Metals	Lead
1	GP-20 2'	3/7/12	0906	X		SO					
2	GP-21 1'		0918								
3	GP-21 2'		0926								
4	GP-22 1'		1317								
5	GP-22 2'		1319								
6	GP-25 3-4'		1335								
7	GP-24 3-4'		1407								
8	GP-26 2-3'		1423	X							
9	GP-23 2'	3/7/12	1423	X							
10	SP-1	3/8/12	0815		X						
11	SP-2	3/8/12	0945		X						
12	TRIP BLANK										
13											
14											
RELINQUISHED BY:		DATE/TIME		RECEIVED BY:		DATE/TIME		PROJECT INFORMATION		RECEIPT	
1: [Signature]		3/8/12 800		1: [Signature]		3/8/12 5:50		PROJECT NAME: 139 Brandon R. Pappas		Total # of Containers 26	
2: [Signature]				2: [Signature]				PROJECT #: 6121 09 0220		Turnaround Time Request	
3: [Signature]				3: [Signature]				SITE ADDRESS: Savannah, GA		Standard 5 Business Days	
								SEND REPORT TO: Tyler Byles		2 Business Day Rush	
								INVOICE TO: (IF DIFFERENT FROM ABOVE)		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 / IN		VIA: FedEx UPS MAIL COURIER		QUOTE #:		PO#:	

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+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/M+1 = 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: 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.
Project Name: 139 Brampton Road Property
Lab ID: 1203L63-001

Client Sample ID: SP-2
Collection Date: 3/8/2012 9:45:00 AM
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
- 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.

Sample/Cooler Receipt Checklist

1 203L63
REV 3/07/12
1203734

Client Avec

Work Order Number 1203734

Checklist completed by [Signature] Date 03/09/2012

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.

\\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.
Project Name: 139 Brampton Road Property
Lab ID: 1203706-001

Client Sample ID: EW-2
Collection Date: 3/7/2012 11:30:00 AM
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.
 Project Name: 139 Brampton Road Property
 Lab ID: 1203706-001

Client Sample ID: EW-2
 Collection Date: 3/7/2012 11:30:00 AM
 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
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- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 29-Mar-12

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-006

Client Sample ID: GP-03 1-2
Collection Date: 3/5/2012 5:00:00 PM
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
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 B Analyte detected in the associated method blank
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E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 29-Mar-12

Client: AMEC E&I, Inc.
Project Name: 139 Brampton Road Property
Lab ID: 1203734-006

Client Sample ID: GP-03 1-2
Collection Date: 3/5/2012 5:00:00 PM
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
 BRL Below reporting limit
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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 Report 459815

for
AMEC E&I, Inc.

Project Manager: Tyler Boyles

139 Brampton Road

6121090220

08-APR-13

Collected By: Client



Florida Testing Services, LLC



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)

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

Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

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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



CASE NARRATIVE

Client Name: AMEC E&I, Inc.
Project Name: 139 Brampton Road



Project ID: 6121090220
Work Order Number(s): 459815

Report Date: 08-APR-13
Date Received: 03/21/2013

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

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GP-32-1-2'
Lab Sample Id: 459815-011

Matrix: Soil
Date Collected: 03.19.13 14.33

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 12.67
Basis: Dry Weight

Date Prep: 03.25.13 15.49

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'
Lab Sample Id: 459815-011

Matrix: Soil
Date Collected: 03.19.13 14.33

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 12.67
Date Prep: 03.25.13 15.49
Basis: Dry Weight

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

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: **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

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GP-34-2-3'
Lab Sample Id: 459815-015

Matrix: Soil
Date Collected: 03.19.13 16.00

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 15.45
Basis: Dry Weight

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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GP-34-2-3'
Lab Sample Id: 459815-015

Matrix: Soil
Date Collected: 03.19.13 16.00

Date Received: 03.21.13 13.06

Analytical Method: **VOCs by SW-846 8260B**
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 15.45
Date Prep: 03.25.13 15.49
Basis: Dry Weight

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		

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: 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

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GP-35-2-3'
Lab Sample Id: 459815-017

Matrix: Soil
Date Collected: 03.19.13 16.29

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 18.96
Basis: Dry Weight

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

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
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		

Certificate of Analytical Results 459815

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

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

Certificate of Analytical Results 459815

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		

Certificate of Analytical Results 459815

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

Certificate of Analytical Results 459815

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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: DUP-2
Lab Sample Id: 459815-026

Matrix: Soil
Date Collected: 03.19.13 16.29

Date Received: 03.21.13 13.06

Analytical Method: **Percent Moisture**
Tech: BLF
Analyst: NIV
Seq Number: 909917

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	18.8	0.100	%	03.26.13 13.00		1

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: DUP-2
Lab Sample Id: 459815-026

Matrix: Soil
Date Collected: 03.19.13 16.29

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 18.81
Basis: Dry Weight

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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: DUP-2
Lab Sample Id: 459815-026

Matrix: Soil
Date Collected: 03.19.13 16.29

Date Received: 03.21.13 13.06

Analytical Method: **VOCs by SW-846 8260B**
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 18.81
Basis: Dry Weight

Date Prep: 03.25.13 15.49

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		

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GW-9
Lab Sample Id: 459815-027

Matrix: Ground Water
Date Collected: 03.20.13 10.50

Date Received: 03.21.13 13.06

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 13.25	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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GW-9
Lab Sample Id: 459815-027

Matrix: Ground Water
Date Collected: 03.20.13 10.50

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909969

Prep Method: SW5030B
% Moisture:
Date Prep: 03.26.13 08.30

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		

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: EW-3
Lab Sample Id: 459815-028

Matrix: Ground Water
Date Collected: 03.20.13 12.06

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909969

Prep Method: SW5030B
% Moisture:

Date Prep: 03.26.13 08.30

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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: EW-3
Lab Sample Id: 459815-028

Matrix: Ground Water
Date Collected: 03.20.13 12.06

Date Received: 03.21.13 13.06

Analytical Method: **VOCs by SW-846 8260B**
Tech: MWE
Analyst: MLA
Seq Number: 909969

Date Prep: 03.26.13 08.30

Prep Method: SW5030B
% Moisture:

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		

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: Trip Blank
Lab Sample Id: 459815-029

Matrix: Water
Date Collected: 03.20.13 00.00

Date Received: 03.21.13 13.06

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 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
Lab Sample Id: 459815-029

Matrix: Water
Date Collected: 03.20.13 00.00

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909969

Prep Method: SW5030B
% Moisture:
Date Prep: 03.26.13 08.30

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 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 **SQL** 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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(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

AMEC E&I, Inc.
139 Brampton Road

Analytical Method: Metals, Total by SW846 6010C

Seq Number: 910078

Matrix: Solid

Prep Method: SW3050B

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

Seq Number: 910078

Matrix: Sludge

Prep Method: SW3050B

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

Seq Number: 910078

Matrix: Sludge

Prep Method: SW3050B

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

Seq Number: 909969

MB Sample Id: 635730-1-BLK

Matrix: Water

LCS Sample Id: 635730-1-BKS

Prep Method: SW5030B

Date Prep: 03/26/2013

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

Seq Number: 909969

Matrix: Water

Prep Method: SW5030B

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

Seq Number: 909969

Parent Sample Id: 459741-002

Matrix: Ground Water

MS Sample Id: 459741-002 S

Prep Method: SW5030B

Date Prep: 03/26/2013

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

Seq Number: 909969

Parent Sample Id: 459741-002

Matrix: Ground Water

MS Sample Id: 459741-002 S

Prep Method: SW5030B

Date Prep: 03/26/2013

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

Seq Number: 909932

MB Sample Id: 635682-1-BLK

Matrix: Solid

LCS Sample Id: 635682-1-BKS

Prep Method: SW5035

Date Prep: 03/25/2013

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

Seq Number: 909932

Matrix: Solid

Prep Method: SW5035

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

Seq Number: 909932

Parent Sample Id: 459815-019

Matrix: Soil

MS Sample Id: 459815-019 S

Prep Method: SW5035

Date Prep: 03/25/2013

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

Seq Number: 909932

Parent Sample Id: 459815-019

Matrix: Soil

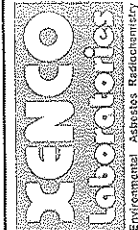
MS Sample Id: 459815-019 S

Prep Method: SW5035

Date Prep: 03/25/2013

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

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 Palmelto 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

XENCO.COM

Company: AMEC PO # _____

Address: 396 Plakias Ave Quote # _____

City: Atlanta State: GA Zip: 30324

PM/Attn: Tyler Boyles Phone: 404 817 0153

Email: JAA Fax: 404 817 0183

Project Name: 139 Brumby-Rail Project ID: 6121 09 0220

Sampler Signature: _____

Circle One Event: Daily Weekly Monthly
Quarterly Semi-Annual Annual N/A

Sample #

Sample ID

Collect Date

Collect Time

Matrix Code ^

Composite

Field or Grab

Filtered

Total # of containers

Lab Only: # Cont

Cont Type *

Pres Type **

VP

VP

GC

GC

GC

GC

GC

GC

GC

GC

GC

GC

GC

GC

GC

TAT Work Days = D Need results by: _____ Time: _____

Std (5-10D) 6Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

ANALYSES REQUESTED

Hold Sample (CALL) Additions:

GC

GC

GC

GC

GC

GC

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* Container Type Codes

VA Vial Amber ES Encore Sampler

VC Vial Clear TS TerraCore Sampler

VP Vial Pre-preserved AC Air Canister

GC Glass Clear 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: 40xGC = 40x Glass Clear

40mlVP = 40ml Vial Pre-preserved

** Preservative Type Codes

A. None E. HCL I. Ice

B. HNO₃ F. MeOH J. MCAA

C. H₂SO₄ G. Na₂S₂O₃ K. ZnAc&NaOH

D. NaOH H. NaHSO₄ 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: _____

REMARKS

GC

GC

GC

GC

GC

GC

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



Florida Testing Services, LLC



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

Project Manager

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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



CASE NARRATIVE

Client Name: AMEC E&I, Inc.
Project Name: 139 Brampton Road



Project ID: 6121090220
Work Order Number(s): 459815

Report Date: 29-APR-13
Date Received: 03/21/2013

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

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GP-32-1-2'
Lab Sample Id: 459815-011

Matrix: Soil
Date Collected: 03.19.13 14.33

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 12.67
Basis: Dry Weight

Date Prep: 03.25.13 15.49

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'
Lab Sample Id: 459815-011

Matrix: Soil
Date Collected: 03.19.13 14.33

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 12.67
Date Prep: 03.25.13 15.49
Basis: Dry Weight

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

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: **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

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GP-34-2-3'
Lab Sample Id: 459815-015

Matrix: Soil
Date Collected: 03.19.13 16.00

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 15.45
Basis: Dry Weight

Date Prep: 03.25.13 15.49

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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GP-34-2-3'
Lab Sample Id: 459815-015

Matrix: Soil
Date Collected: 03.19.13 16.00

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 15.45
Date Prep: 03.25.13 15.49
Basis: Dry Weight

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		

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: **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

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GP-35-2-3'
Lab Sample Id: 459815-017

Matrix: Soil
Date Collected: 03.19.13 16.29

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 18.96
Basis: Dry Weight

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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GP-35-2-3'
Lab Sample Id: 459815-017

Matrix: Soil
Date Collected: 03.19.13 16.29

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 18.96
Date Prep: 03.25.13 15.49
Basis: Dry Weight

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		

Certificate of Analytical Results 459815

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

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

Certificate of Analytical Results 459815

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		

Certificate of Analytical Results 459815

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

Certificate of Analytical Results 459815

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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: DUP-2
Lab Sample Id: 459815-026

Matrix: Soil
Date Collected: 03.19.13 16.29

Date Received: 03.21.13 13.06

Analytical Method: **Percent Moisture**
Tech: BLF
Analyst: NIV
Seq Number: 909917

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	18.8	0.100	%	03.26.13 13.00		1

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: DUP-2
Lab Sample Id: 459815-026

Matrix: Soil
Date Collected: 03.19.13 16.29

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 18.81
Basis: Dry Weight

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

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: DUP-2
Lab Sample Id: 459815-026

Matrix: Soil
Date Collected: 03.19.13 16.29

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909932

Prep Method: SW5035
% Moisture: 18.81
Date Prep: 03.25.13 15.49
Basis: Dry Weight

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		

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GW-9
Lab Sample Id: 459815-027

Matrix: Ground Water
Date Collected: 03.20.13 10.50

Date Received: 03.21.13 13.06

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 13.25	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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: GW-9
Lab Sample Id: 459815-027

Matrix: Ground Water
Date Collected: 03.20.13 10.50

Date Received: 03.21.13 13.06

Analytical Method: **VOCs by SW-846 8260B**
Tech: MWE
Analyst: MLA
Seq Number: 909969

Date Prep: 03.26.13 08.30

Prep Method: SW5030B
% Moisture:

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		

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: EW-3
Lab Sample Id: 459815-028

Matrix: Ground Water
Date Collected: 03.20.13 12.06

Date Received: 03.21.13 13.06

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

Certificate of Analytical Results 459815

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: EW-3
Lab Sample Id: 459815-028

Matrix: Ground Water
Date Collected: 03.20.13 12.06

Date Received: 03.21.13 13.06

Analytical Method: **VOCs by SW-846 8260B**
Tech: MWE
Analyst: MLA
Seq Number: 909969

Date Prep: 03.26.13 08.30

Prep Method: SW5030B
% Moisture:

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		

AMEC E&I, Inc., Atlanta, GA
139 Brampton Road

Sample Id: Trip Blank
Lab Sample Id: 459815-029

Matrix: Water
Date Collected: 03.20.13 00.00

Date Received: 03.21.13 13.06

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 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
Lab Sample Id: 459815-029

Matrix: Water
Date Collected: 03.20.13 00.00

Date Received: 03.21.13 13.06

Analytical Method: VOCs by SW-846 8260B
Tech: MWE
Analyst: MLA
Seq Number: 909969

Prep Method: SW5030B
% Moisture:
Date Prep: 03.26.13 08.30

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 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 **SQL** 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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(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: Metals, Total by SW846 6010C

Seq Number: 910078

Matrix: Solid

Prep Method: SW3050B

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

Seq Number: 910078

Matrix: Sludge

Prep Method: SW3050B

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

Seq Number: 910078

Matrix: Sludge

Prep Method: SW3050B

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

Seq Number: 909969

MB Sample Id: 635730-1-BLK

Matrix: Water

LCS Sample Id: 635730-1-BKS

Prep Method: SW5030B

Date Prep: 03/26/2013

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.
139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 909969

Matrix: Water

Prep Method: SW5030B

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

Seq Number: 909969

Parent Sample Id: 459741-002

Matrix: Ground Water

MS Sample Id: 459741-002 S

Prep Method: SW5030B

Date Prep: 03/26/2013

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

Seq Number: 909969

Parent Sample Id: 459741-002

Matrix: Ground Water

MS Sample Id: 459741-002 S

Prep Method: SW5030B

Date Prep: 03/26/2013

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

Seq Number: 909932

MB Sample Id: 635682-1-BLK

Matrix: Solid

LCS Sample Id: 635682-1-BKS

Prep Method: SW5035

Date Prep: 03/25/2013

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

Seq Number: 909932

Matrix: Solid

Prep Method: SW5035

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

Seq Number: 909932

Parent Sample Id: 459815-019

Matrix: Soil

MS Sample Id: 459815-019 S

Prep Method: SW5035

Date Prep: 03/25/2013

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

Seq Number: 909932

Matrix: Soil

Prep Method: SW5035

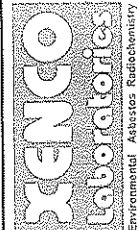
Date Prep: 03/25/2013

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

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

Company: AMEC
Address: 396 Plank, Ave
City: Atlanta
State: GA Zip: 30324
Phone: 404 817 0153
Fax: 404 817 0153
Project ID: 6121 09 0220
Sampler Signature: [Signature]
Sample ID: 139 Brampth. Road

Page 1 of 3
Lab W.O. 459815
Field Billable Hrs:

Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022
Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000

TAT Work Days = D Need results by: Time: _____

Std (5-10D) 6Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

ANALYSES REQUESTED

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: 40mLGC = 4oz Glass Clear
40mLVP = 40ml Vial Pre-preserved

Preservative Type Codes

A	None	E	HCL	I	Ice
B	HNO ₃	F	MeOH	J	MCAA
C	H ₂ SO ₄	G	Na ₂ SO ₃	K	ZnAc&NaOH
D	NaOH	H	NaHSO ₄	L	Asbc Acid&NaOH
O					

Matrix Type Codes

GW	Ground Water	S	Soil/Sediment/Solid
VW	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	ANALYSES REQUESTED										REMARKS
										Cont Type *	Pres Type **	1D	2D	3D	4D	5D	7D	10D	14D	
1	6P-27-1	3/19/13	1010	50	6	NA	1	1	1	6C	1									Hold
2	6P-27-2		1012				1	1	1											Hold
3	6P-28-1		1040				1	1	1											Hold
4	6P-28-2		1042				1	1	1											Hold
5	6P-29-1		1105				1	1	1											Hold
6	6P-29-2		1107				1	1	1											Hold
7	6P-30-1		1202				1	1	1											Hold
8	6P-30-2		1204				1	1	1											Hold
9	6P-31-1		1355				1	1	1											Hold
0	6P-31-2	3/19/13	1357	50	6	NA	1	1	1											Hold

Reg. Program / Clean-up Std

CTLS TRRP DW NPDES LPST DryCin

Other: _____

Relinquished by: [Signature]

STATE for Certs & Regs

FL	TX	GA	NC	SC	NJ	PA
OK	LA	AL	IL	Other:		

Affiliation: AMEC

Date: 3/21/13

Time: 1238

Received by: [Signature]

Received in: AMEC

Received on: 3/21/13

Time: 1238

COC & Labels

Match	Incomplete	Unclear
1.	2.	3.

Temp °C

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?

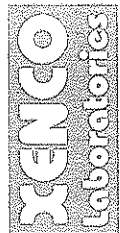
Custody seals intact?

VOCs rec'd w/o headspace?

Proper containers used?

pH verified-acceptable, excl VOCs?

Received on time to meet HTs?



CHAIN OF CUSTODY RECORD

Page 2 of 3

* 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: 40zGC = 40z Glass Clear		
40mlVP = 40ml Vial Pre-preserved		
** Preservative Type Codes		
A. None	E. HCL	I. Ice
B. HNO ₃	F. MeOH	J. MCAA
C. H ₂ SO ₄	G. Na ₂ S ₂ O 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 _____	_____	

Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022	
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Atlanta: 6017 Financial Dr, Norcross, GA 30071 770-449-8800	
Boca Raton: 3231 NW 7th Ave, Boca Raton, FL 33431 561-447-7373	
Company: AMEC	
Address: 396 Plaster Ave	
City: Atlanta	
State: GA Zip: 30324	
Phone: 404 817 0153	
Fax: 404 817 0183	
Project ID: 6121 09 0220	
Project Name: 139 Bawf-h- Road	
Sampler Signature: [Signature]	
Circle One Event: Daily Weekly Monthly	
Quarterly Semi-Annual Annual N/A	
Collect Date	
Collect Time	
Matrix Code ^	
Composite or Grab	
Field Filtered	
Total # of Containers	

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Composite or Grab	Field Filtered	Total # of Containers	Cont Type *	Pres Type **	Lab Only:	# Cont	EDDs	ADAPT SEDD ERPIIMS XLS Other:	Received by	Date	Time	COC & Labels	Match Incomplete Absent Unclear	Temp °C	Lab Use Only	YES NO N/A
1	6-P-32-1-2'	3/14/13	1433	50	6	NA	4	VP	6L												
2	6-P-32-3-4'		1435				4	VP	6L												
3	6-P-33-1'		1530				1														
4	6-P-33-2'		1535				1														
5	6-P-34-2-3'		1600				4														
6	6-P-34-3-5'		1602				4														
7	6-P-35-2-3'		1624				4														
8	6-P-35-3-5'		1631				4														
9	6-P-36-2-3'		1704				4														
10	6-P-36-3-5'	3/19/13	1706	50	6	NA	4	VP	6L												

Reg. Program / Clean-up Std		STATE for Certs & Regs		QA/QC Level & Certification		EDDs		COC & Labels		Coolers		Temp °C		Lab Use Only		YES NO N/A											
CTLS TRRP DW NPDES LPST DryCin	FL TX GA NC SC NJ PA	OK LA IL Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADAPT SEDD ERPIIMS XLS Other:	Received by	Date	Time	Match Incomplete Absent Unclear	Affiliation	1.	2.	3.	1.	2.	3.	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?	pH verified-acceptable, excl VOCs?	Proper containers used?	Received on time to meet HTs?		
Relinquished by		AMEC		3/21/13		1238		AMEC		3/21/13		1238		3/21/13		1238		3/21/13		1238		1238		1238		1238	
Relinquished by		AMEC		3/21/13		1306		AMEC		3/21/13		1306		3/21/13		1306		3/21/13		1306		1306		1306		1306	
Relinquished by		AMEC		3/21/13		1306		AMEC		3/21/13		1306		3/21/13		1306		3/21/13		1306		1306		1306		1306	
Relinquished by		AMEC		3/21/13		1306		AMEC		3/21/13		1306		3/21/13		1306		3/21/13		1306		1306		1306		1306	

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



Florida Testing Services, LLC



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)

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 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

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

Client Name: AMEC Environment & Infrastructure, Inc.

Project Name: 139 Brampton Road

Project ID: 6121090220
Work Order Number(s): 479399

Report Date: 20-FEB-14
Date Received: 02/14/2014

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

AMEC Environment & Infrastructure, Inc., Atlanta, GA
139 Brampton Road

Sample Id: **EW-4**
Lab Sample Id: 479399-002

Matrix: Ground Water
Date Collected: 02.12.14 12.55

Date Received: 02.14.14 14.20

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**
Lab Sample Id: 479399-002

Matrix: Ground Water
Date Collected: 02.12.14 12.55

Date Received: 02.14.14 14.20

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		

AMEC Environment & Infrastructure, Inc., Atlanta, GA
139 Brampton Road

Sample Id: **EW-5**
Lab Sample Id: 479399-003

Matrix: Ground Water
Date Collected: 02.12.14 09.33

Date Received: 02.14.14 14.20

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**
Lab Sample Id: 479399-003

Matrix: Ground Water
Date Collected: 02.12.14 09.33

Date Received: 02.14.14 14.20

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		

AMEC Environment & Infrastructure, Inc., Atlanta, GA
139 Brampton Road

Sample Id: **EW-6**
Lab Sample Id: 479399-004

Matrix: Ground Water
Date Collected: 02.12.14 10.28

Date Received: 02.14.14 14.20

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

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA 139 Brampton Road

Sample Id: **EW-6**
Lab Sample Id: 479399-004

Matrix: Ground Water
Date Collected: 02.12.14 10.28

Date Received: 02.14.14 14.20

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		

AMEC Environment & Infrastructure, Inc., Atlanta, GA
139 Brampton Road

Sample Id: **EW-7**
Lab Sample Id: 479399-005

Matrix: Ground Water
Date Collected: 02.12.14 11.46

Date Received: 02.14.14 14.20

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

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA 139 Brampton Road

Sample Id: **EW-7**
Lab Sample Id: 479399-005

Matrix: Ground Water
Date Collected: 02.12.14 11.46

Date Received: 02.14.14 14.20

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		

AMEC Environment & Infrastructure, Inc., Atlanta, GA
139 Brampton Road

Sample Id: **GW-4**
Lab Sample Id: 479399-006

Matrix: Ground Water
Date Collected: 02.13.14 09.28

Date Received: 02.14.14 14.20

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

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA 139 Brampton Road

Sample Id: **GW-4**
Lab Sample Id: 479399-006

Matrix: Ground Water
Date Collected: 02.13.14 09.28

Date Received: 02.14.14 14.20

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		

AMEC Environment & Infrastructure, Inc., Atlanta, GA
139 Brampton Road

Sample Id: **GW-5**
Lab Sample Id: 479399-007

Matrix: Ground Water
Date Collected: 02.13.14 10.30

Date Received: 02.14.14 14.20

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

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA 139 Brampton Road

Sample Id: **GW-5**
Lab Sample Id: 479399-007

Matrix: Ground Water
Date Collected: 02.13.14 10.30

Date Received: 02.14.14 14.20

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		

AMEC Environment & Infrastructure, Inc., Atlanta, GA
139 Brampton Road

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		

AMEC Environment & Infrastructure, Inc., Atlanta, GA
139 Brampton Road

Sample Id: **GW-10**
Lab Sample Id: 479399-009

Matrix: Ground Water
Date Collected: 02.13.14 12.15

Date Received: 02.14.14 14.20

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

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA 139 Brampton Road

Sample Id: **GW-10**
Lab Sample Id: 479399-009

Matrix: Ground Water
Date Collected: 02.13.14 12.15

Date Received: 02.14.14 14.20

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		

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA 139 Brampton Road

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

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA 139 Brampton Road

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

AMEC Environment & Infrastructure, Inc., Atlanta, GA
139 Brampton Road

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

Certificate of Analytical Results 479399

AMEC Environment & Infrastructure, Inc., Atlanta, GA 139 Brampton Road

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

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(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

AMEC Environment & Infrastructure, Inc.
139 Brampton Road

Analytical Method: Metals, Total by SW846 6010C

Seq Number: 934418

MB Sample Id: 651157-1-BLK

Matrix: Solid

LCS Sample Id: 651157-1-BKS

Prep Method: SW3050B

Date Prep: 02.18.14

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

Seq Number: 934418

Parent Sample Id: 479399-013

Matrix: Soil

MD Sample Id: 479399-013 D

Prep Method: SW3050B

Date Prep: 02.18.14

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

Seq Number: 934418

Parent Sample Id: 479399-013

Matrix: Soil

MS Sample Id: 479399-013 S

Prep Method: SW3050B

Date Prep: 02.18.14

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

Parent Sample Id: 479435-001

Matrix: Soil

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

Parent Sample Id: 479435-011

Matrix: Soil

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

Parent Sample Id: 479435-021

Matrix: Soil

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	

AMEC Environment & Infrastructure, Inc.
139 Brampton Road

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.
139 Brampton Road

Analytical Method: Xylenes by SW-846 8260B

Seq Number: 934338

MB Sample Id: 651257-1-BLK

Matrix: Water

LCS Sample Id: 651257-1-BKS

Prep Method: SW5030B

Date Prep: 02.18.14

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

Seq Number: 934338

MB Sample Id: 651257-1-BLK

Matrix: Water

LCS Sample Id: 651257-1-BKS

Prep Method: SW5030B

Date Prep: 02.18.14

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

Seq Number: 934338

Parent Sample Id: 479399-002

Matrix: Ground Water

MS Sample Id: 479399-002 S

Prep Method: SW5030B

Date Prep: 02.18.14

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

Seq Number: 934338

Parent Sample Id: 479399-002

Matrix: Ground Water

MS Sample Id: 479399-002 S

Prep Method: SW5030B

Date Prep: 02.18.14

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

Page 1 of 2
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

LABORATORIES		Company Name: AMEC		Receiver's Initials/Temp: DL-3.7°C		Custody Seal(s): 1 <input checked="" type="checkbox"/> N Lab Work Order # 479399	
Address: 396 Pleasant Ave		Results Sent to: T-Her Boyle		P.O.# (if required):		Field Comments / Lab Precautions:	
Email address: t.h.b Boyle, @ amec.com		Contact Phone #: 404 817 0153		Cell#: 404 663 9837			
Project Name (Site): 131 Brampton Road		Project Number (ID): 6121-09-0220		Regulatory Program:		Analysis Requested	
Sampler(s): (signature) [Signature]		Sampler(s): (printed) T-Her Boyle		Container Type: GC			
Chemical Preservation Code: NA		No. of Containers		Grab			
Matrix (See below)		Collection Date / Time		Sample Depth (Ft)		Sample ID #	
Line No.		Sample ID #		Sample Depth (Ft)		Collection Date / Time	
1		EW-6		-		2/11/14 1030	
2		EW-4		-		2/12/14 1255	
3		EW-5		-		2/12/14 933	
4		EW-6		-		2/12/14 1028	
5		EW-7		-		2/12/14 1146	
6		GW-4		-		2/13/14 928	
7		GW-5		-		2/13/14 1030	
8		GW-7		-		2/13/14 1335	
9		GW-10		-		2/13/14 1215	
10		HA-NS-01-1'		1'		2/13/14 1520	
1) Relinquished By: [Signature]		Date / Time		2) Received By: [Signature]		Date / Time	
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 = HNO₃ / 3 = H₂SO₄ / 4 = NaOH + NaAsO₂ / 5 = NaOH + ZnAc / 6 = Na₂S₂O₃ / 7 = NaHSO₄ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Fedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other



XENCO LABORATORIES CHAIN OF CUSTODY

Page 2 of 2
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: <u>AMEC</u>				Receiver's Initials/Temp: <u>QC / 3.7C</u>			
Address: <u>396 Plakos Ave</u>				Custody Seal(s): <u>1</u> <u>0</u> <u>N</u> Lab Work Order # <u>479399</u>			
Results Sent to: <u>Tyler Boyle</u>				P.O.# (if required):			
Email address: <u>tyler.boyle@amec.com</u>				Field Comments / Lab Precautions:			
Contact Phone #: <u>404 817 0157</u> Cell#: <u>404 663 9039</u>							
Project Name (Site): <u>139 Hampton Road</u>							
Project Number (ID): <u>6121 09 0220</u>				Analysis Requested			
Regulatory Program:				Container Type: <u>6L</u>			
Sampler(s): (signature) <u>[Signature]</u>				Chemical Preservation Code: <u>NAR</u>			
Sampler(s): (printed) <u>Tyler Boyle</u>							
Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Grab	No. of Containers	
1	HA-NS-01-2	2'	2/13/14 1524	S	X	1	
2	HA-NS-01-3	3'	2/13/14 1530	S	X	1	
3	HA-NS-02-1	1'	2/13/14 1507	S	X	1	
4	HA-NS-02-2	2'	2/13/14 1510	S	X	1	
5	HA-NS-02-3	3'	2/13/14 1513	S	X	1	
6							
7							
8							
9							
10							
1) Relinquished By: <u>[Signature]</u> Date / Time <u>2/14/14 1420</u>				Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other			
3) Relinquished By: <u>[Signature]</u> Date / Time <u>2/14/14 1420</u>				Turnaround Time (business days) TAT Starts when samples are rec'd by 2PM <u>10</u> Days; <u>5-7</u> Days; <u>3</u> Days			
5) Relinquished By: <u>[Signature]</u> Date / Time <u>2/14/14 1420</u>				<u>2</u> Days; <u>1</u> Day; <u>Same Day</u>			

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 = HNO₃ / 3 = H₂SO₄ / 4 = NaOH + NaAsO₂ / 5 = NaOH + ZnAc / 6 = Na₂S₂O₃ / 7 = NaHSO₄ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (Amber); ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

CUSTODY SEAL

Sample No. _____

(signature)

Person Collecting Sample _____

Time Collected _____

Date Collected _____

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 HNO ₃ , HCL, H ₂ SO ₄ ?	N/A
#22 >10 for all samples preserved with NaAsO ₂ +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
David C. Fuller

Date: 02/17/2014

Checklist reviewed by: Eben D. Buchanan Jr.
Eben Buchanan

Date: 02/17/2014

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

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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.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

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 4.5° 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.
α	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

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

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 Sample Results

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

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

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

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

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Client Sample ID: A-SW-4

Lab Sample ID: 680-107724-5

Date Collected: 12/01/14 11:44

Matrix: Solid

Date Received: 12/01/14 14:39

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

QC Sample Results

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

QC Association Summary

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

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

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

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

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

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

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

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

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								

TestAmerica Savannah

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

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 \leq 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 $<6\text{mm}$ (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

1

2

3

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12

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

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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.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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 4.5° 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

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Client Sample ID: Borrow Pit

Lab Sample ID: 680-107724-6

Date Collected: 12/01/14 13:18

Matrix: Solid

Date Received: 12/01/14 14:39

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

TestAmerica Savannah

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Client Sample ID: Borrow Pit

Lab Sample ID: 680-107724-6

Date Collected: 12/01/14 13:18

Matrix: Solid

Date Received: 12/01/14 14:39

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

TestAmerica Savannah

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Client Sample ID: Borrow Pit

Lab Sample ID: 680-107724-6

Date Collected: 12/01/14 13:18

Matrix: Solid

Date Received: 12/01/14 14:39

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

TestAmerica Savannah

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Client Sample ID: Borrow Pit

Lab Sample ID: 680-107724-6

Date Collected: 12/01/14 13:18

Matrix: Solid

Date Received: 12/01/14 14:39

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

QC Sample Results

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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	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	Limits	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

TestAmerica Savannah

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

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

TestAmerica Savannah

QC Association Summary

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

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:

[illegible]

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 \leq 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 $<6\text{mm}$ (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

1

2

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12

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

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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.

Case Narrative

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

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 12.5° 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

Definitions/Glossary

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

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.
α	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 Sample Results

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

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 Sample Results

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 Sample Results

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

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

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 Sample Results

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 Sample Results

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 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-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 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-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

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

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 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-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 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-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 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-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 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-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 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-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 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-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 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-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

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 Sample Results

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 Sample Results

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 Sample Results

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

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

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 Sample Results

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

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

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

QC Sample Results

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

QC Association Summary

Client: AMEC Foster Wheeler E & I, Inc
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107730-1

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

TestAmerica Savannah

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

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

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

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

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

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

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

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

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								

TestAmerica Savannah

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

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

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

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

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

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

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

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

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								

TestAmerica Savannah

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

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

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

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

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

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

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

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

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								

TestAmerica Savannah

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

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

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

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

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

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

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

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

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								

TestAmerica Savannah

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

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

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

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

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

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

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)	MATRIX TYPE	REQUIRED ANALYSIS		PAGE	OF
TAL (LAB) PROJECT MANAGER		P.O. NUMBER	CONTRACT NO.	AQUEOUS (WATER)	NON-AQUEOUS LIQUID (OIL SOLVENT...)	STANDARD REPORT DELIVERY	DATE DUE	2
CLIENT (SITE) PM	CLIENT PHONE	CLIENT E-MAIL	CLIENT FAX	COMPOSITE (C) OR GRAB (G) INDICATE		EXPEDITED REPORT DELIVERY (SURCHARGE)	DATE DUE	
Paul Bazzzo	4048734761	Paul.Bazzzo@amec.com				24 hrs per		
CLIENT NAME	AMEC	Chuck.Ferry@amec.com				DATE DUE		
CLIENT ADDRESS	2677 Buford Highway, Atlanta, GA 30324					NUMBER OF COOLERS SUBMITTED PER SHIPMENT:		
COMPANY CONTRACTING THIS WORK (if applicable)								
SAMPLE		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED		REMARKS		
DATE	TIME							
12/1/14	1409	B-BM-1		✓				Additional email:
12/1/14	1411	B-SW-1		✓				Paul.Bazzzo@amec.com
12/1/14	1414	B-SW-2		✓				
12/1/14	1416	B-SW-3		✓				
12/1/14	1419	B-SW-4		✓				
12/1/14	1630	C-SW-1		✓				
12/1/14	1655	C-SW-10		✓				
12/1/14	1705	C-SW-6		✓				
12/1/14	1707	C-SW-7		✓				
12/1/14	1710	C-SW-8		✓				
12/1/14	1712	C-SW-9		✓				
12/1/14	1713	C-SW-2		✓				
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	
<i>[Signature]</i>		12/2/14	0738					
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	
<i>[Signature]</i>								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
<i>[Signature]</i>	12/02/14	0738	YES <input type="radio"/> NO <input type="radio"/>		107799-107730	12.8 °C / 12.5 °C
						NO

TALB240-680 (1008)



Serial Number 90966

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS		PAGE	OF
TAL (LAB) PROJECT MANAGER		P.O. NUMBER	CONTRACT NO.				2	2
CLIENT (SITE) PM	Paul Garzo	404834761	CLIENT FAX				STANDARD REPORT DELIVERY	
CLIENT NAME	AMEC	CLIENT E-MAIL Paul.Garzo@Amec.com					DATE DUE	
CLIENT ADDRESS	2677 Buford Highway Atlanta, GA 30324						EXPEDITED REPORT DELIVERY (SURCHARGE) 24 Hours Per	
COMPANY CONTRACTING THIS WORK (if applicable)							DATE DUE	
SAMPLE IDENTIFICATION							NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
DATE	TIME						REMARKS	
12/1/14	1714	C-SW-3		✓			Additional E-mail:	
12/1/14	1715	C-SW-4		✓			Paul.Garzo@Amec.com	
12/1/14	1717	C-SW-5		✓				
12/1/14	1719	C-BM-1		✓				
12/1/14	1722	C-BM-2		✓				
12/1/14	1725	C-BM-3		✓				
12/1/14	1727	C-BM-4		✓				
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RECEIVED FOR LABORATORY BY: (SIGNATURE)				DATE	TIME	LABORATORY REMARKS		
12/02/14				0738	0738	SAVANNAH LOG NO. 107724 107730 12.8°C / 12.5°C NO 10		

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 \leq 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 $<6\text{mm}$ (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

1

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12

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

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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.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

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 13.9° 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

Definitions/Glossary

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.
α	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 Sample Results

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

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 Sample Results

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 Sample Results

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

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

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 Sample Results

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

QC Sample Results

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

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

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

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

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

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

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

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

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								

TestAmerica Savannah

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

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD



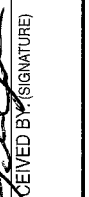

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

☐ Alternate Laboratory Name/Location

Phone:
Fax:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

PROJECT REFERENCE Rheem - Broompton Rd.		PROJECT NO. 021090220		PROJECT LOCATION (STATE) GA		MATRIX TYPE		REQUIRED ANALYSIS				PAGE 1 OF 1					
TAL (LAB) PROJECT MANAGER		P.O. NUMBER		CONTRACT NO.		ACQUOUS (WATER)						STANDARD REPORT DELIVERY					
CLIENT (SITE) PM Paul Gazzo		CLIENT PHONE 404 873 4761		CLIENT FAX		SOLID OR SEMISOLID						DATE DUE 01/01/2014					
CLIENT NAME AMEC		CLIENT E-MAIL Paul.Gazzo@amec.com		CLIENT FAX		AIR						EXPEDITED REPORT DELIVERY (SURCHARGE) 24 hr. Turn					
CLIENT ADDRESS 2677 Buford Highway, Atlanta, GA 30324		CHECK. FERRY @ AMEC.COM				COMPOSITE (C) OR GRAB (G) INDICATE						DATE DUE Per Dave Fuller					
COMPANY CONTRACTING THIS WORK (if applicable)												NUMBER OF COOLERS SUBMITTED PER SHIPMENT:					
SAMPLE		SAMPLE IDENTIFICATION										REMARKS					
DATE	TIME																
12/2/14	1026	E-BM-1				✓						Additional Email:					
12/2/14	1016	E-SW-1				✓						Paul Gazzo @ AMEC					
12/2/14	1019	E-SW-2				✓											
12/2/14	1021	E-SW-3				✓											
12/2/14	1024	E-SW-4				✓											
 680-107741 Chain of Custody																	
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							
		12/2/14		11:14													
RECEIVED FOR LABORATORY BY: 												LABORATORY REMARKS		SAVANNAH LOG NO.		LABORATORY USE ONLY	
														680-107741		14.2/13.9 °C	

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 \leq 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 $<6\text{mm}$ (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

1

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10

11

12

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

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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.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

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

Definitions/Glossary

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.
α	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 Sample Results

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

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 Sample Results

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

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

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

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

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 Sample Results

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

QC Sample Results

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

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

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

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

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

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

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

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

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								

TestAmerica Savannah

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

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location

Phone:
Fax:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

PROJECT REFERENCE		PROJECT NO.		PROJECT LOCATION (STATE)		MATRIX TYPE		REQUIRED ANALYSIS										PAGE		OF											
TAL (LAB) PROJECT MANAGER		P.O. NUMBER		CONTRACT NO.		PROJECT LOCATION (STATE)		CONTRACT NO.		CLIENT PHONE		CLIENT FAX		CLIENT E-MAIL		CLIENT NAME		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:	
Kheen - Brampton Rd.		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220		6121090220	
Paul GAZZO		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761		4048734761	
AMCC		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO		Paul GAZZO	
2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324		2677 Buford Highway, Atlanta, GA 30324	
SAMPLE		DATE		TIME		SAMPLE IDENTIFICATION		COMPOSITE (C) OR GRAB (G) INDICATE		AQUEOUS (WATER)		SOLID OR SEMISOLID		NONAQUEOUS LIQUID (OIL, SOLVENT, ...)		MATRIX TYPE		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1424		1424		D-BM-1		G		✓		✓		✓		✓		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1426		1426		D-SW-1		G		✓		✓		✓		✓		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1428		1428		D-SW-2		G		✓		✓		✓		✓		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1431		1431		D-SW-3		G		✓		✓		✓		✓		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1433		1433		D-SW-4		G		✓		✓		✓		✓		REQUIRED ANALYSIS										PAGE		OF	
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1507		1507		12/2/14		1507		12/2/14		1507		12/2/14		1507		REQUIRED ANALYSIS										PAGE		OF	
RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1507		1507		12/2/14		1507		12/2/14		1507		12/2/14		1507		REQUIRED ANALYSIS										PAGE		OF	
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1507		1507		12/2/14		1507		12/2/14		1507		12/2/14		1507		REQUIRED ANALYSIS										PAGE		OF	
RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1507		1507		12/2/14		1507		12/2/14		1507		12/2/14		1507		REQUIRED ANALYSIS										PAGE		OF	
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1507		1507		12/2/14		1507		12/2/14		1507		12/2/14		1507		REQUIRED ANALYSIS										PAGE		OF	
RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		REQUIRED ANALYSIS										PAGE		OF	
12/2/14		1507		1507		12/2/14																									

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 \leq 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 $<6\text{mm}$ (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

1

2

3

4

5

6

7

8

9

10

11

12

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

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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.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

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 16.3° 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

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

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.
α	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 Sample Results

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 Sample Results

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

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

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

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

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-5

Lab Sample ID: 680-107789-5

Date Collected: 12/03/14 12:36

Matrix: Solid

Date Received: 12/03/14 13:55

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-6

Lab Sample ID: 680-107789-6

Date Collected: 12/03/14 12:39

Matrix: Solid

Date Received: 12/03/14 13:55

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 Sample Results

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 Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-8

Lab Sample ID: 680-107789-8

Date Collected: 12/03/14 12:46

Matrix: Solid

Date Received: 12/03/14 13:55

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 Sample Results

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

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 Sample Results

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 Sample Results

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 Sample Results

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 Sample Results

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 Sample Results

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 Sample Results

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 Sample Results

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 Sample Results

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 Sample Results

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

QC Sample Results

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

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

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

TestAmerica Savannah

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

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

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

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

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

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

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

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

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								

TestAmerica Savannah

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								

TestAmerica Savannah

Lab Chronicle

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

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

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

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

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

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

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

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								

TestAmerica Savannah

Lab Chronicle

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

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

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

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

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

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

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

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								

TestAmerica Savannah

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)	MATRIX TYPE	REQUIRED ANALYSIS		PAGE	OF
TAL (LAB) PROJECT MANAGER		P.O. NUMBER	CONTRACT NO.				1	2
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX					STANDARD REPORT DELIVERY	
CLIENT NAME	CLIENT E-MAIL	CLIENT FAX					EXPEDITED REPORT DELIVERY (SURCHARGE)	
AMEC	Chuck.Ferry@Amec.com						DATE DUE	
CLIENT ADDRESS	SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED		REMARKS		
2677 Buford Highway, Atlanta, GA 30324	DATE	TIME						
12/3/14	1224	F-SW-1	6	✓	✓	✓	✓	Additional E-mail:
12/3/14	1226	F-SW-2	6	✓	✓	✓	✓	Paul.Gazzo@Amec.com
12/3/14	1231	F-SW-3	6	✓	✓	✓	✓	
12/3/14	1234	F-SW-4	6	✓	✓	✓	✓	
12/3/14	1236	F-SW-5	6	✓	✓	✓	✓	
12/3/14	1239	F-SW-6	6	✓	✓	✓	✓	
12/3/14	1244	F-SW-7	6	✓	✓	✓	✓	
12/3/14	1246	F-SW-8	6	✓	✓	✓	✓	
12/3/14	1249	F-SW-9	6	✓	✓	✓	✓	
12/3/14	1251	F-SW-10	6	✓	✓	✓	✓	
12/3/14	1255	F-SW-11	6	✓	✓	✓	✓	
12/3/14	1257	F-SW-12	6	✓	✓	✓	✓	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	
[Signature]		12/4/14	1355					
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	
[Signature]		12/3/14	1355					
RECEIVED FOR LABORATORY BY: (SIGNATURE)				SAVANNAH LOG NO.		LABORATORY REMARKS		
[Signature]				680-107789		Noia 16.6/16.3 °C		

680-107789 Chain of Custody



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: _____

[illegible]

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 \leq 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 $<6\text{mm}$ (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

1

2

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12

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

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www.testamericainc.com

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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.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107859-1

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.
α	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 Sample Results

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

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 Sample Results

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 Sample Results

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 Sample Results

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

QC Sample Results

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

TestAmerica Savannah

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

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

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

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

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

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

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

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

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

TestAmerica Savannah

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

TestAmerica Savannah
55102 LaRoche Avenue
Savannah, GA 31404

[illegible]

Phone:
Fax:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>m. l. l. # -</i>	DATE <i>12/04/04</i>	TIME <i>13:10</i>	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO. <i>107859</i>	LABORATORY REMARKS <i>WTR: 22.6 (CF-3) 22.3 °C</i>
---	-------------------------	----------------------	--	------------------	-----------------------------------	---

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 \leq 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 $<6\text{mm}$ (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

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

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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.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

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 17.3° 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

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

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.
α	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 Sample Results

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 Sample Results

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 Sample Results

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 Sample Results

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

QC Sample Results

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	

Lab Chronicle

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

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

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

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

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

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

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

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								

TestAmerica Savannah

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Client Sample ID: S-B-8

Lab Sample ID: 680-108073-5

Date Collected: 12/10/14 10:05

Matrix: Solid

Date Received: 12/10/14 13:45

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

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 \leq 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 $<6\text{mm}$ (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

1

2

3

4

5

6

7

8

9

10

11

12

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

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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.

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

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 17.5° 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

Definitions/Glossary

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.
α	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 Sample Results

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 Sample Results

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 Sample Results

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

QC Sample Results

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

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

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

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

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

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

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
55102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamercainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

☐ Alternate Laboratory Name/Location

Phone:
Fax:

[illegible]

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 \leq 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 $<6\text{mm}$ (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

1

2

3

4

5

6

7

8

9

10

11

12

Analytical Report 513418

for
AMEC Foster Wheeler

Project Manager: Chuck Ferry

139 Brampton Road

6121090220

01-SEP-15

Collected By: Client



Florida Testing Services, LLC



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)

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

Client Name: AMEC Foster Wheeler

Project Name: 139 Brampton Road

Project ID: 6121090220

Work Order Number(s): 513418

Report Date: 01-SEP-15

Date Received: 08/14/2015

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

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

Sample Id : **EW-1** Matrix : Ground Water % Moisture :
Lab Sample Id : 513418-001 Date Collected : 08.13.15 15.35
Date Received : 08.14.15 11.15

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** Matrix : Ground Water % Moisture :
Lab Sample Id : 513418-002 Date Collected : 08.11.15 13.40
Date Received : 08.14.15 11.15

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** Matrix : Ground Water % Moisture :
Lab Sample Id : 513418-003 Date Collected : 08.11.15 15.50
Date Received : 08.14.15 11.15

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

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

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

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

Sample Id : **W-5** Matrix : Ground Water % Moisture :
Lab Sample Id : 513418-008 Date Collected : 08.13.15 14.25
Date Received : 08.14.15 11.15

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

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

Sample Id : **GW-1** Matrix : Ground Water % Moisture :
Lab Sample Id : 513418-009 Date Collected : 08.13.15 12.00
Date Received : 08.14.15 11.15

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** Matrix : Ground Water % Moisture :
Lab Sample Id : 513418-013 Date Collected : 08.12.15 10.30
Date Received : 08.14.15 11.15

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** Matrix : Soil % Moisture : 9.35
Lab Sample Id : 513418-014 Date Collected : 08.13.15 15.20 Basis : Dry Weight
Sample Depth : 2 ft Date Received : 08.14.15 11.15

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

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

Sample Id : **HA-2** Matrix : Soil % Moisture : 14.15
Lab Sample Id : 513418-015 Date Collected : 08.13.15 14.30 Basis : Dry Weight
Sample Depth : 2 ft Date Received : 08.14.15 11.15

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** Matrix : Soil % Moisture : 26.85
Lab Sample Id : 513418-016 Date Collected : 08.13.15 12.15 Basis : Dry Weight
Sample Depth : 2 ft Date Received : 08.14.15 11.15

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

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

Analytical Method: TOC by SM 5310C

Tech: BHRE

Analyst: BHRE

Seq Number: 974857

Date Prep: 08.17.15 10.23

Prep Method: SM5310P

% Moisture:

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

Analyst: NSI

Seq Number: 974750

% Moisture:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Alkalinity, Total (CaCO ₃)		BRL	4.00	mg/L	08.18.15 09.00	U	1

Analytical Method: Ferrous Iron by SM3500

Tech: NSI

Analyst: NSI

Seq Number: 974620

% Moisture:

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

Analyst: MWE

Seq Number: 974849

% Moisture:

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

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

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

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

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		

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

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

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

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA 139 Brampton Road

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

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		

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

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

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

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

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

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		

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

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

Certificate of Analytical Results 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

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		

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

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

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

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA 139 Brampton Road

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

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		

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

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

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

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA 139 Brampton Road

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

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		

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

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

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

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		

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

Analytical Method: TOC by SM 5310C

Tech: BHRE

Analyst: BHRE

Seq Number: 974857

Date Prep: 08.17.15 10.23

Prep Method: SM5310P

% Moisture:

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

Analyst: NSI

Seq Number: 974750

% Moisture:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Alkalinity, Total (CaCO ₃)		BRL	4.00	mg/L	08.18.15 09.00	U	1

Analytical Method: Ferrous Iron by SM3500

Tech: NSI

Analyst: NSI

Seq Number: 974620

% Moisture:

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

Analyst: MWE

Seq Number: 974849

% Moisture:

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

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

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

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

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		

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

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 (CaCO ₃)		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

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

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

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

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		

AMEC Foster Wheeler, Atlanta, GA 139 Brampton Road

Sample Id: **GW-4**
Lab Sample Id: 513418-010

Matrix: Ground Water
Date Collected: 08.12.15 12.25

Date Received: 08.14.15 11.15

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

Certificate of Analytical Results 513418

AMEC Foster Wheeler, Atlanta, GA 139 Brampton Road

Sample Id: **GW-4**
Lab Sample Id: 513418-010

Matrix: Ground Water
Date Collected: 08.12.15 12.25

Date Received: 08.14.15 11.15

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		

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

Sample Id: **GW-5**
Lab Sample Id: 513418-011

Matrix: Ground Water
Date Collected: 08.12.15 11.20

Date Received: 08.14.15 11.15

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**
Lab Sample Id: 513418-011

Matrix: Ground Water
Date Collected: 08.12.15 11.20

Date Received: 08.14.15 11.15

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		

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

Sample Id: **GW-7**
Lab Sample Id: 513418-012

Matrix: Ground Water
Date Collected: 08.13.15 13.35

Date Received: 08.14.15 11.15

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

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

Sample Id: **GW-7**
Lab Sample Id: 513418-012

Matrix: Ground Water
Date Collected: 08.13.15 13.35

Date Received: 08.14.15 11.15

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		

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

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

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

AMEC Foster Wheeler, Atlanta, GA
139 Brampton Road

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

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**
Lab Sample Id: 513418-014

Matrix: Soil
Date Collected: 08.13.15 15.20

Date Received: 08.14.15 11.15
Sample Depth: 2 ft

Analytical Method: TOC in Soils by Walkley Black

Tech: DHE
Analyst: DHE
Seq Number: 974946

% Moisture: 9.35
Basis: Dry Weight
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**
Lab Sample Id: 513418-015

Matrix: Soil
Date Collected: 08.13.15 14.30

Date Received: 08.14.15 11.15
Sample Depth: 2 ft

Analytical Method: TOC in Soils by Walkley Black

Tech: DHE
Analyst: DHE
Seq Number: 974946

% Moisture: 14.15
Basis: Dry Weight
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**
Lab Sample Id: 513418-016

Matrix: Soil
Date Collected: 08.13.15 12.15

Date Received: 08.14.15 11.15
Sample Depth: 2 ft

Analytical Method: TOC in Soils by Walkley Black

Tech: DHE
Analyst: DHE
Seq Number: 974946

% Moisture: 26.85
Basis: Dry Weight
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

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

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 **SQL** 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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(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

AMEC Foster Wheeler
139 Brampton Road

Analytical Method: TOC by SM 5310C

Seq Number: 974857

MB Sample Id: 696834-1-BLK

Matrix: Water

LCS Sample Id: 696834-1-BKS

Prep Method: SM5310P

Date Prep: 08.17.15

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

Seq Number: 974857

Parent Sample Id: 513272-007

Matrix: Ground Water

MS Sample Id: 513272-007 S

Prep Method: SM5310P

Date Prep: 08.17.15

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

Seq Number: 974857

Parent Sample Id: 513347-004

Matrix: Ground Water

MS Sample Id: 513347-004 S

Prep Method: SM5310P

Date Prep: 08.17.15

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

MB Sample Id: 974750-1-BLK

Matrix: Water

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 (CaCO ₃)	<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

Parent Sample Id: 513475-001

Matrix: Ground Water

MD Sample Id: 513475-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Alkalinity, Total (CaCO ₃)	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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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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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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Analytical Method: VOCs by SW-846 8260B

Seq Number: 974691

MB Sample Id: 696725-1-BLK

Matrix: Water

LCS Sample Id: 696725-1-BKS

Prep Method: SW5030B

Date Prep: 08.17.15

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	

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Analytical Method: VOCs by SW-846 8260B

Seq Number: 974691

MB Sample Id: 696725-1-BLK

Matrix: Water

LCS Sample Id: 696725-1-BKS

Prep Method: SW5030B

Date Prep: 08.17.15

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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Analytical Method: VOCs by SW-846 8260B

Seq Number: 974870

MB Sample Id: 696844-1-BLK

Matrix: Water

LCS Sample Id: 696844-1-BKS

Prep Method: SW5030B

Date Prep: 08.18.15

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	

AMEC Foster Wheeler
139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 974870

MB Sample Id: 696844-1-BLK

Matrix: Water

LCS Sample Id: 696844-1-BKS

Prep Method: SW5030B

Date Prep: 08.18.15

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

Seq Number: 974691

Parent Sample Id: 513418-010

Matrix: Ground Water

MS Sample Id: 513418-010 S

Prep Method: SW5030B

Date Prep: 08.17.15

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

Seq Number: 974691

Parent Sample Id: 513418-010

Matrix: Ground Water

MS Sample Id: 513418-010 S

Prep Method: SW5030B

Date Prep: 08.17.15

MSD Sample Id: 513418-010 SD

Surrogate

1,2-Dichloroethane-D4

4-Bromofluorobenzene

Toluene-D8

MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
115		113		53-159	%	08.17.15 19:13
97		97		30-186	%	08.17.15 19:13
102		104		70-130	%	08.17.15 19:13

AMEC Foster Wheeler 139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 974870

Parent Sample Id: 513418-013

Matrix: Ground Water

MS Sample Id: 513418-013 S

Prep Method: SW5030B

Date Prep: 08.18.15

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

Seq Number: 974870

Parent Sample Id: 513418-013

Matrix: Ground Water

MS Sample Id: 513418-013 S

Prep Method: SW5030B

Date Prep: 08.18.15

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
CHAIN OF CUSTODY

COC# ATL301313
Page 1 of 1
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: AMEC Foster Wheeler		Receiver's Initials/Temp: <u>6/13/15</u>									
Address: 2677 Buford Hwy NE, Atlanta, GA 30324		Custody Seal(s): <u>Y</u> <u>N</u> Lab Work Order # <u>513418</u>									
Results Sent to: <u>Chet Feely Steve Foley Dustin H</u>		P.O. # (if required):									
Email address:		Field Comments / Lab Precautions:									
Contact Phone #: <u>404 8170157</u>	Cell#:	Analysis Requested									
Project Name (Site): <u>LHem</u>											
Project Number (ID): <u>6121090220</u>	Container Type:										
Regulatory Program:	Chemical Preservation Code:										
Sampler(s): (signature) <u>[Signature]</u>		Sampler(s): (printed) <u>Paul Green</u>									
Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers				
1	EW-1		1535 8/13/15	GW			9	VOC's			
2	EW-2		1340 8/11/15	GW			2	NA			
3	EW-3		1530 8/11/15	GW			2				
4	EW-4		1450 8/11/15	GW			2				
5	EW-5		1600 8/12/15	GW			2				
6	EW-6		1510 8/12/15	GW			2				
7	EW-7		1430 8/12/15	GW			2				
8	W-5		1425 8/13/15	GW			9				
9	GW-1		1200 8/13/15	GW			9				
10	GW-4		1225 8/12/15	GW			2				
1) Relinquished By: <u>[Signature]</u>		Date / Time: <u>8/14/15</u>		2) Received By: <u>[Signature]</u>		Date / Time: <u>8/14/15</u>		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 10 Days; 5-7 Days; 3 Days 2 Days; 1 Day; Same Day			
5) Relinquished By:		Date / Time:		6) Received By:		Date / Time:					

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 = HNO₃ / 3 = H₂SO₄ / 4 = NaOH + NaAsO₂ / 5 = NaOH + ZnAc / 6 = Na₂S₂O₃ / 7 = NaHSO₄ & 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

COC# ATL301314
Page 1 of 1

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: AMEC Foster Wheeler		Receiver's Initials/Temp: <u>PC-130C</u>							
Address: 2677 Buford Hwy NE, Atlanta, GA 30324		Custody Seal(s): <u>Y</u> <u>N</u> Lab Work Order # <u>513418</u>							
Results Sent to: <u>Chuck Foley Steve Foley Dustin H.</u>		P.O.# (if required):							
Email address:		Field Comments / Lab Precautions:							
Contact Phone #: <u>404/817 0154</u>	Cell#:								
Project Name (Site): <u>LHcm</u>		Analysis Requested							
Project Number (ID): <u>612109 0220</u>									
Regulatory Program:		Chemical Preservation Codes							
Sampler(s): (signature) <u>[Signature]</u>		Sampler(s): (printed) <u>Fall 6/22/20</u>							
Line No.	Sample ID #	Sample Depth (ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	VOCs	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: <u>[Signature]</u> Date / Time: <u>8/14/15</u>		2) Received By: <u>[Signature]</u> Date / Time: <u>8/14/15</u>		Delivered by: (Circle One)					
3) Relinquished By: <u>[Signature]</u> Date / Time: <u>8/14/15</u>		4) Received By: <u>[Signature]</u> Date / Time: <u>8/14/15</u>		Fed Ex / UPS / Courier / Lab Pickup / Hand / Other					
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 = HNO₃ / 3 = H₂SO₄ / 4 = NaOH + Na₂SO₄ / 5 = NaOH + ZnAc / 6 = Na₂S₂O₃ / 7 = NaHSO₄ & 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

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 HNO ₃ , HCL, H ₂ SO ₄ ? 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 NaAsO ₂ +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



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

108255



Inter-Office Shipment #: 1029758

Date Printed: Fri Aug-14-15 02:18 pm Page 1 of 1

Date/Time: 08/14/15 13:37

Created by: Dario Lagunas

Please send report to: Jeff Wilmoth

Lab# From: Atlanta

Delivery Priority:

Address: 6017 Financial Dr., Norcross, GA 30071

Lab# To: Houston

Air Bill No.:


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

Received By:

Date Relinquished: 08/14/2015

Date Received:  8/14/15 4:15

Cooler Temperature: _____

Analytical Environmental Services, Inc

Date: 21-Aug-15

Client: Xenco Laboratories
Project Name: Xenco
Lab ID: 1508C55-001

Client Sample ID: 513418-001
Collection Date: 8/13/2015 3:35:00 PM
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
- 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: 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
- 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:** 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
- 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.

Sample/Cooler Receipt Checklist

Client XENCO LABORATORIES Work Order Number 1508255

Checklist completed by William Lawler Signature Date 8/14/2015

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? ($0^{\circ} \leq 6^{\circ}\text{C}$) * Yes ☒ No ☐

Cooler #1 3.42 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 MLP

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\\Sample Receipt\\My Documents\\COCs and pH Adjustment Sheet\\Sample_Cooler_Receipt_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		

Analytical Environmental Services, Inc

Client: Xenco Laboratories

Project Name: Xenco

Workorder: 1508C55

ANALYTICAL C

Batch

Sample ID: MB-R298204	Client ID:					Units: mg/L	Prep Date:		
SampleType: MBLK	TestCode: Inorganic Anions by IC E300.0					BatchID: R298204	Analysis Date: 08/01/2020		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	
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: 08/01/2020		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	
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: 08/01/2020		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	
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: 08/01/2020		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	
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 the
	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 Environmental Services, Inc

Client:

Project Name:

Workorder:

Xenco Laboratories
Xenco
1508C55

ANALYTICAL C

Batch

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: 08/01/2020		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
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: 08/01/2020		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
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

BRL

Below reporting limit

J

Estimated value detected below Reporting Limit

Rpt Lim

Reporting Limit

<

Less than Result value

E

Estimated (value above quantitation range)

N

Analyte not NELAC certified

S

Spike Recovery outside limits due to matrix

B

Analyte detected in the

H

Holding times for pre

R

RPD outside limits d

Analytical Environmental Services, Inc

Client: Xenco Laboratories

Project Name: Xenco

Workorder: 1508C55

ANALYTICAL C

Bato

Sample ID: MB-R298218	Client ID:					Units: mg/L	Prep Date:	
SampleType: MBLK	TestCode: Inorganic Anions by IC	E300.0				BatchID: R298218	Analysis Date: 08/01/2020	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
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: 08/01/2020	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
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: 08/01/2020	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
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: 08/01/2020	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Sulfate	312.9	10.0	250.0	71.54	96.5	90	110	

Qualifiers:

> Greater than Result value

BRL Below reporting limit

J Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the

H Holding times for pre

R RPD outside limits d

Analytical Environmental Services, Inc

Client:

Project Name:

Workorder:

Xenco Laboratories
Xenco
1508C55

ANALYTICAL C

Batch

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: 08/01/2020		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
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: 08/01/2020		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
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

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

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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

Client Name: AMEC Foster Wheeler

Project Name: 139 Brampton Road

Project ID: 6121-09-0220
Work Order Number(s): 526617

Report Date: 16-MAR-16
Date Received: 03/10/2016

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.

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

AMEC Foster Wheeler, Atlanta, GA 139 Brampton Road

Sample Id : **GP-5-20W 2-3**

Lab Sample Id : 526617-005

Sample Depth : 2 - 3 ft

Matrix : Soil

Date Collected : 03.08.16 14.38

Date Received : 03.10.16 12.26

% Moisture : 17.32

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
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**

Lab Sample Id : 526617-007

Sample Depth : 2 - 3 ft

Matrix : Soil

Date Collected : 03.08.16 14.27

Date Received : 03.10.16 12.26

% Moisture : 17.38

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
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**

Lab Sample Id : 526617-009

Sample Depth : 2 - 3 ft

Matrix : Soil

Date Collected : 03.08.16 15.10

Date Received : 03.10.16 12.26

% Moisture : 11.15

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
trans-1,2-Dichloroethene	156-60-5	0.170	mg/kg	03.11.16 16.40		1

Analytical Method : VOCs by SW-846 8260B

Seq Number 990123

Prep Method: SW5035

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

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id : **GP-5-40E 2-3**

Matrix : Soil

% Moisture : 11.85

Lab Sample Id : 526617-011

Date Collected : 03.08.16 14.13

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
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

Prep Method: SW5035

Seq Number 990123

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**

Matrix : Soil

% Moisture : 16.59

Lab Sample Id : 526617-013

Date Collected : 03.08.16 13.30

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
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

Prep Method: SW5035

Seq Number 990123

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

Prep Method: SW5030B

Seq Number 990176

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

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20N 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-001

Date Collected: 03.08.16 14.58

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 8.75

Analyst: ZHO

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20N 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-001

Date Collected: 03.08.16 14.58

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 8.75

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	0.00545	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		

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40N 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-003

Date Collected: 03.08.16 13.50

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 9.06

Analyst: ZHO

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-003

Date Collected: 03.08.16 13.50

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 9.06

Analyst: ZHO

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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		

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20W 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-005

Date Collected: 03.08.16 14.38

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 17.32

Analyst: ZHO

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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

AMEC Foster Wheeler, Atlanta, GA 139 Brampton Road

Sample Id: **GP-5-20W 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-005

Date Collected: 03.08.16 14.38

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 17.32

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	0.00492	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		

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40W 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-007

Date Collected: 03.08.16 14.27

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 17.38

Analyst: ZHO

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-007

Date Collected: 03.08.16 14.27

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 17.38

Analyst: ZHO

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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		

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

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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		

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40E 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-011

Date Collected: 03.08.16 14.13

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 11.85

Analyst: ZHO

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-40E 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-011

Date Collected: 03.08.16 14.13

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 11.85

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 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		

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20S 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-013

Date Collected: 03.08.16 13.30

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 16.59

Analyst: ZHO

Draft

Date Prep: 03.11.16 10.00

Basis: Dry Weight

Seq Number: 990123

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

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: **GP-5-20S 2-3**

Matrix: Soil

Date Received: 03.10.16 12.26

Lab Sample Id: 526617-013

Date Collected: 03.08.16 13.30

Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Tech: ZHO

% Moisture: 16.59

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	0.00436	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		

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

Prep Method: SW5030B

Tech: MWE

% Moisture:

Analyst: ZHO

Draft Date Prep: 03.11.16 10.01

Seq Number: 990176

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

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

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 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		

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

Draft

Date Prep: 03.11.16 10.01

Seq Number: 990176

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		

- 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

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(602) 437-0330	

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

Seq Number: 990123

MB Sample Id: 706275-1-BLK

Matrix: Solid

LCS Sample Id: 706275-1-BKS

Prep Method: SW5035

Date Prep: 03.11.16

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	



QC Summary 526617



AMEC Foster Wheeler 139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 990123

MB Sample Id: 706275-1-BLK

Matrix: Solid

LCS Sample Id: 706275-1-BKS

Prep Method: SW5035

Date Prep: 03.11.16

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

Seq Number: 990176

MB Sample Id: 706318-1-BLK

Matrix: Water

LCS Sample Id: 706318-1-BKS

Prep Method: SW5030B

Date Prep: 03.11.16

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	

AMEC Foster Wheeler 139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 990176

MB Sample Id: 706318-1-BLK

Matrix: Water

LCS Sample Id: 706318-1-BKS

Prep Method: SW5030B

Date Prep: 03.11.16

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

Seq Number: 990134

MB Sample Id: 706299-1-BLK

Matrix: Solid

LCS Sample Id: 706299-1-BKS

Prep Method: SW5035A

Date Prep: 03.13.16

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

Seq Number: 990285

MB Sample Id: 706382-1-BLK

Matrix: Solid

LCS Sample Id: 706382-1-BKS

Prep Method: SW5035

Date Prep: 03.14.16

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

AMEC Foster Wheeler 139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 990123

Parent Sample Id: 526617-005

Matrix: Soil

MS Sample Id: 526617-005 S

Prep Method: SW5035

Date Prep: 03.11.16

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	

AMEC Foster Wheeler 139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 990123

Parent Sample Id: 526617-005

Matrix: Soil

MS Sample Id: 526617-005 S

Prep Method: SW5035

Date Prep: 03.11.16

MSD Sample Id: 526617-005 SD

Surrogate

1,2-Dichloroethane-D4

4-Bromofluorobenzene

Toluene-D8

MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
110		111		50-150	%	03.11.16 21:49
101		101		57-158	%	03.11.16 21:49
95		95		50-150	%	03.11.16 21:49

Draft

AMEC Foster Wheeler 139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 990176

Parent Sample Id: 526617-015

Matrix: Water

MS Sample Id: 526617-015 S

Prep Method: SW5030B

Date Prep: 03.11.16

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	



QC Summary 526617



AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 990176

Parent Sample Id: 526617-015

Matrix: Water

MS Sample Id: 526617-015 S

Prep Method: SW5030B

Date Prep: 03.11.16

MSD Sample Id: 526617-015 SD

Surrogate

1,2-Dichloroethane-D4

4-Bromofluorobenzene

Toluene-D8

MS
%Rec

MS
Flag

MSD
%Rec

MSD
Flag

Limits

Units

Analysis
Date

99

99

99

100

98

100

53-159

30-186

70-130

%

%

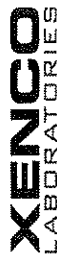
%

03.11.16 21:50

03.11.16 21:50

03.11.16 21:50

Draft



XENCO LABORATORIES CHAIN OF CUSTODY

Page 2 of 2

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Amec Foster Wheeler		Receiver's Initials/Temp: W / 14°	
Address: 2677 Dunfries Way		Custody Seal(s): Y N Lab Work Order # 526417	
Results Sent to: Steve Foster		P.O.# (if required):	
Email address: Steve.Foster@AmecFw.com		Field Comments / Lab Precautions:	
Contact Phone #: 404-877-0152 Cell#: 139 32 AMPRES RN		FIELD ALL 5-6' SAMPLES	
Project Name (Site): 6121-09-0220		Analysis Requested	
Project Number (ID): 6121-09-0220			
Regulatory Program:			
Sampler(s): (signature) SEB R ZL		Sampler(s): (printed) STEVEN FOSTER	
Container Type: VC		Chemical Preservation Code: 6	
No. of Containers			
Grab			
Composite			
Matrix (See below)			
Collection Date / Time			
Sample Depth (Ft)			
Sample ID #			
Line No.			
1		GP-5-20N 2-3' 2-3 3/8/16 1458 5 4 X	
2		GP-5-20N 5-6' 5-6 1502 1 X	
3		GP-5-40N 2-3' 2-3 1350 1 X	
4		GP-5-40N 5-6' 5-6 1355 1 X	
5		GP-5-20W 2-3' 2-3 1438 1 X	
6		GP-5-20W 5-6' 5-6 1442 1 X	
7		GP-5-40W 2-3' 2-3 1427 1 X	
8		GP-5-40W 5-6' 5-6 1431 1 X	
9		GP-5-20W 2-3' 2-3 1510 1 X	
10		GP-5-20W 5-6' 5-6 1515 1 X	
1) Relinquished By: SEB R ZL		Date / Time: 7/8/16 1226	
2) Received By: Steve Foster		Date / Time: 3/10/16 12:26	
3) Relinquished By:		Date / Time:	
4) Received By:		Date / Time:	
5) Relinquished By:		Date / Time:	
6) Received By:		Date / Time:	
Turnaround Time (business days)		Turnaround Time (business days)	
TAT Starts when samples are rec'd by 2PM		TAT Starts when samples are rec'd by 2PM	
10 Days ; 5-7 Days ; 3 Days		10 Days ; 5-7 Days ; 3 Days	
2 Days ; 1 Day ; Same Day		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 = HNO₃ / 3 = H₂SO₄ / 4 = NaOH + NaAsO₂ / 5 = NaOH + ZnAc / 6 = Na₂S₂O₃ / 7 = NaHSO₄ & 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



Page 2 of 2

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

XENOCO

Company Name: Amor Foster Wheeler		Receiver's Initials/Temp: 2/1/06 520617																		
Address: 2677 Benford Hwy		Custody Seal(s): Y N Lab Work Order #																		
Results Sent to: Steve Foster		P.O.# (if required):																		
Email address: Steve.Foster@AmorFW.com		Field Comments / Lab Precautions: No. All 5-6 samples																		
Contact Phone #: 404-817-0152 Cell#:																				
Project Name (Site): 139 REMAPPED RD																				
Project Number (ID): 6121-09-0220		Analysis Requested																		
Regulatory Program:																				
Sampler(s): (signature) SEK RZH		Container Type: VC																		
Sampler(s): (printed) STEVEN FOSTER		Chemical Preservation Code:																		
Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers													
1	GP-5-400 2-3	2-3	3/2/16 14:13	S	X	X	4	X												
2	GP-5-400 5-6	5-6	14:18																	
3	GP-5-205 2-3	2-3	13:30					X												
4	GP-5-205 5-6	5-6	13:35																	
5	EW-7		3/9/16 09:45	GW			2	X												
6	TRIP BLANK			W			2	X												
7																				
8																				
9																				
10																				
1) Relinquished By: SEK RZH		Date / Time: 3/10/16 12:26		2) Received By: Daniel Capri		Date / Time: 3/10/16 12:26		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										
3) Relinquished By: SEK RZH		Date / Time:		4) Received By:		Date / Time:														
5) Relinquished By:		Date / Time:		6) Received By:		Date / Time:														

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 = HNO₃ / 3 = H₂SO₄ / 4 = NaOH + NaAsO₂ / 5 = NaOH + ZnAc / 6 = Na₂S₂O₃ / 7 = NaHSO₄ & 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 HNO ₃ , HCL, H ₂ SO ₄ ? 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 NaAsO ₂ +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

3

MATERIALS INVENTORY					
WELL CASING	<u>2</u>	in. dia.	<u>20</u>	l.f.	
CASING TYPE	<u>PVC</u>				
JOINT TYPE	<u>Flush</u>				
GROUT QUANTITY	<u>-</u>				
GROUT TYPE	<u>bentonite/Portland cement</u>				
WELL SCREEN	<u>2</u>	in. dia.	<u>5</u>	l.f.	
SCREEN TYPE	<u>PVC</u>				
SLOT SIZE	<u>101</u>				
CENTRALIZERS	<u>-</u>				
DRILLING MUD TYPE	<u>-</u>				
BENTONITE SEAL	<u>chips</u>				
INSTALLATION METHOD	<u>poured</u>				
FILTER PACK QTY.	<u>-</u>				
FILTER PACK TYPE	<u>silica sand</u>				
INSTALLATION METHOD	<u>poured</u>				

1

MONITORING WELL INSTALLATION LOG

JOB NO. <u>953-3825</u>	PROJECT <u>Savannah/Brampton Rd</u>	WELL NO. <u>GW-2</u>	SHEET <u>1</u>
GA INSP. <u>CDH</u>	DRILLING METHOD <u>HSA</u>	GROUND ELEV. <u>-</u>	WATER DEPTH <u>20.8 BGS</u>
WEATHER <u>cloudy</u>	DRILLING COMPANY <u>SfME Environmental</u>	COLLAR ELEV. <u>-</u>	DATE/TIME <u>2/27 12:50</u>
TEMP. <u>68°</u>	DRILL RIG <u>B-56</u>	DRILLER <u>Bill/Donnie</u>	STARTED <u>10:20 3/25</u>
STATION / OFFSET		COMPLETED <u>11:20 3/27</u>	

MATERIALS INVENTORY

WELL CASING <u>6 in dia 45</u>	WELL SCREEN <u>2 in. dia. 5 lf.</u>	BENTONITE SEAL <u>pellets</u>	
CASING TYPE <u>PVC</u>	SCREEN TYPE <u>PVC</u>	INSTALLATION METHOD <u>poured</u>	
JOINT TYPE <u>flush</u>	SLOT SIZE <u>0.01"</u>	FILTER PACK QTY. <u>~ 65 lbs.</u>	
GROUT QUANTITY <u>-</u>	CENTRALIZERS <u>-</u>	FILTER PACK TYPE <u>silica sand</u>	
GROUT TYPE <u>Bentonite slurry</u>	DRILLING MUD TYPE <u>-</u>	INSTALLATION METHOD <u>poured</u>	

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	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/ 3 3/4" HSA's. Installed 6" pvc casing. Grout through augers until grout was observed to be flowing freely @ the surface.
			Let grout set overnight. Retrieved in morning, redrilled through grout 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 343.6' BGS. Grouted hole to surface, installed locking steel casing (stickup)
0.0	GROUND SURFACE		
5	see attached boring log for description.		
10			
15			
20			
25			
30			
35			
40			
45			
50			
55			
60			
WELL DEVELOPMENT NOTES			
Total depth - 56.4' bgs			
W.L. 20.8' bgs			
Water column - 35.6'			
x .17			
6.052 gal			
Start development - very dirty, cleanup fairly quickly			
dry after 10 min pumping @ 2 gpm. Removed 20 gal. Let recover, pumped again @ lower rate - total of 40 gal removed			
Clear appearance.			

3.

MATERIALS INVENTORY		
WELL CASING <u>2</u> in. dia. <u>20</u> I.F.	WELL SCREEN <u>2</u> in. dia. <u>5</u> I.F.	BENTONITE SEAL <u>Chios</u>
CASING TYPE <u>PVC</u>	SCREEN TYPE <u>PVC</u>	INSTALLATION METHOD <u>poured</u>
JOINT TYPE <u>flush</u>	SLOT SIZE <u>.01</u>	FILTER PACK QTY. <u>-</u>
GROUT QUANTITY <u>-</u>	CENTRALIZERS <u>-</u>	FILTER PACK TYPE <u>silica sand</u>
GROUT TYPE <u>bentonite / portland cement</u>	DRILLING MUD TYPE <u>-</u>	INSTALLATION METHOD <u>poured</u>

Golder Associates

MONITORING WELL INSTALLATION LOG

JOB NO.	<u>953-3825</u>	PROJECT	<u>Savannah-Brampton Rd</u>	WELL NO.	<u>GW-4</u>	SHEET	<u>1 of 1</u>
GA INSP	<u>CDH</u>	DRILLING METHOD	<u>HSA 3 3/4 ID</u>	GROUND ELEV.	<u>-</u>	WATER DEPTH	<u>9.62 BTOC</u>
WEATHER	<u>SUN</u>	DRILLING COMPANY	<u>SME</u>	COLLAR ELEV.	<u>-</u>	DATE/TIME	<u>4-1-94 10:30</u>
TEMP.	<u>85°</u>	DRILL RIG	<u>Cimco 2400</u>	DRILLER	<u>Earl T</u>	STARTED	<u>13:00 3-30</u>
STATION / OFFSET				TIME / DATE		COMPLETED	
						<u>2 13:00 3-31</u>	
				TIME / DATE			

MATERIALS INVENTORY

WELL CASING	<u>2 in. dia. 10 l.f.</u>	WELL SCREEN	<u>2 in. dia. 10 l.f.</u>	BENTONITE SEAL	<u>PELLETS</u>
CASING TYPE	<u>2" φ PVC</u>	SCREEN TYPE	<u>PVC</u>	INSTALLATION METHOD	<u>POURED</u>
JOINT TYPE	<u>FLUSH</u>	SLOT SIZE	<u>0.01</u>	FILTER PACK QTY.	<u>≈ 4 75 lb. BAGS</u>
GROUT QUANTITY	<u>≈ 2 94 lb. BAGS</u>	CENTRALIZERS	<u>-</u>	FILTER PACK TYPE	<u>QUAKT® SAND</u>
GROUTE TYPE	<u>HYDRATED BENTONITE</u>	DRILLING MUD TYPE	<u>-</u>	INSTALLATION METHOD	<u>POURED</u>

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH
0.0 2 4 6 8 10 12 14 16 18 20	GROUND SURFACE SEE BORING LOG	<p>A hand-drawn cross-section sketch of a well. The well is shown as a vertical cylinder. At the top, there's a 'Flush Mount Surface Casing' which sits on a 'Concrete Pad'. Below the casing, the well is filled with 'Bentonite Grout' up to about 4 feet depth. Then, there's a 'Bentonite Pellet Seal' layer. Below that is a section of 'Medium Grade Sand Pack' containing a '2 inch PVC Riser' and a '0.01 Slot Screen'. The bottom of the well is capped with a '6 inch Endcap'.</p>
		<p>AUGERED TO $\approx 18.5'$ BGS. INSTALLED 2" ϕ PVC 0.01 SLOT SCREEN FROM 12.5' BGS TO 8.5' BGS. INSTALLED 2" ϕ PVC RISER TO SURFACE POURED ≈ 4 BAGS MEDIUM SAND TO $\approx 7'$ BGS. POURED 1 BAG BENTONITE CHIPS TO 5' BGS. POURED BENTONITE CHIPS HYDRATED IN 2' LIFTS TO SURFACE. INSTALLED FLUSH MOUNTED IDUCK AND SMALL CONCRETE PAD.</p>
		<p>WELL DEVELOPMENT NOTES REMOVED ≈ 20 GALLONS, WATER SHOWED IMPROVEMENT IN CLARITY.</p>

Golder Associates Field Boring Log

DEPTH HOLE <u>18.5'</u>	JOB NO. <u>953-3825</u>	PROJECT <u>BRAMPTON RD.</u>	BORING NO. <u>GW-4</u>
DEPTH SOIL DRILL <u>16.5'</u>	QA INSP. <u>CDH</u>	DRILLING METHOD <u>HSA 3 3/4 10</u>	SHEET <u>1</u> OF <u>1</u>
DEPTH ROCK CORE _____	WEATHER <u>sun</u>	DRILLING COMPANY <u>S/M</u>	SURFACE ELEV. _____
NO. DIST. SA. _____	UD. SA. _____	TEMP. <u>80°</u>	DRILL RIG <u>Cimco 2400</u>
DRILLER <u>Earl</u>	DATUM _____	WT. SAMPLER HAMMER <u>140</u>	DROP <u>30"</u>
DEPTH WL. _____	HRS. PROD. _____	WT. CASING HAMMER _____	DROP _____
TIME WL. _____	HRS. DELAYED _____	COMPLETED <u>12:30</u>	DATE <u>12-30-98</u>

SAMPLE TYPES		ABBREVIATIONS		SOIL DESCRIPTION - RANGE OF PROPORTION	
A.S. AUGER SAMPLE	BL. BLACK	M. MEDIUM	SA. SAMPLE	"TRACE" - 0 - 5%	"SOME" - 12 - 30%
C.S. CRUNK SAMPLE	BR. BROWN	MC. MICACEOUS	SAT. SATURATED	"LITTLE" - 6 - 12%	"AND" - 30 - 50%
D.S. DRIVE OPEN	C. COARSE	MOT. MOTTLED	SD. SAND		
D.S. DENISON SAMPLE	CA. CASING	NP. NON-PLASTIC	SI. SILT		
P.S. PITCHER SAMPLE	CL. CLAY	OG. ORANGE	SIY. SILTY		
R.C. ROCK CORE	CLY. CLAYEY	ORG. ORGANIC	SM. SOME		
S.T. SLOTTED TUBE	F. FINE	PH. PRESSURE-HYDRAULIC	TR. TRACE		
T.D. THINWALLED, OPEN	FRAG. FRAGMENTS	PM. PRESSURE-MANUAL	WL. WATER LEVEL		
T.P. THINWALLED, PISTON	GL. GRAVEL	R. RED	WH. WEIGHT OF HAMMER		
W.S. WASH SAMPLE	LYD. LAYERED	RES. RESIDUAL	Y. YELLOW		
	LI. LITTLE	RX. ROCK			

ELEV. DEPTH	DESCRIPTION	BLOWS / FT	SAMPLES				DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
			NO.	TYPE	HAMM. BLOWS PER 6 IN (FORCE)	REC / ATT		
1	Red brown tan, firm SILTY CLAY AND		1	DO	2-2-2	15/2		GWC 4-1 0-2'
2	Fine SAND							(CLAYEY SAND)
3								
4								
5	White grey, firm, sl.		2	DO	3-4-7	15/2		GWC-4-2 4.5-6'
6	moist SILTY CLAY							(CLAYEY SAND)
7	SOME TO AND Fine - med SAND							
8	Grades to tan silty & fine to med SAND							
9	(moist) little clay to fine							
10	White-grey, firm, sl.		3	DO	5-7-8	125/2		GWC-4-3 9 1/2 - 11
11	moist, fine to coarse SAND; SILTY CLAY							(CLAYEY SAND)
12	1-2 mm quartz abundant							
13								
14	White-grey & tan		4	DO	3-6-12	10/2		GWC-4-4 14 1/2 - 16
15	Fine to coarse							(SAND)
16	SAND, trace to							
17	(little silt & clay saturated)							Installed well @ 18 1/2 - 8 1/2
18								(10' screen)
19	T.D. @ 18.5							Sand pack to 7' bgs
20								benzoin seal to 5' bgs
21								(300-350 lbs sand)
22								hydrated pellets
								well in (shoot & govt) 0.12/16

MONITORING WELL INSTALLATION LOG

JOB NO	953-3825	PROJECT	Savannah - Brompton NJ		WELL NO.	GW-5	SHEET	1 of 1	
GA INSP	CDH	DRILLING METHOD	HSA - 3 3/4 13		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	COMPLETED	14:00 3-31
STAMP / OFFSET						TIME / DATE		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	
0.0	SEE BORING LOGS	<p>FLUSH MOUNT SURFACE CASING</p> <p>CONCRETE</p> <p>2" Ø PVC RISER</p> <p>BENTONITE GROUT</p> <p>BENTONITE CAP</p> <p>MEDIUM GRADE FILTER PACK</p> <p>0.01 SLOT SCREEN</p> <p>WELL NO. 1</p>
2		
4		
6		
8		
10		
12		
14		
16		
18		
20		
		<p> AUGERED TO $\approx 19.2'$ BGS INSTALLED 2" Ø PVC, 001 SLOT SCREEN FROM ≈ 19.13 BGS TO \approx 9' BGS. INSTALLED 2" Ø PVC RISER TO SURFACE. POURED ≈ 3 BAGS MEDIUM GRADE SAND TO $\approx 7'$ 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. </p>
		<p>WELL DEVELOPMENT NOTES</p> <p>REMOVED $\approx 15-20$ GALLONS W/ SUBMERSIBLE PUMP. WATER SHOWED IMPROVEMENT IN CLARITY.</p>

Golder Associates Field Boring Log

DEPTH HOLE <u>19.2'</u>	JOB NO. <u>153-3825</u>	PROJECT <u>Brampton RD</u>	BORING NO. <u>GW-5</u>
DEPTH SOIL DRILL <u>19.2'</u>	QA INSP. <u>CDH</u>	DRILLING METHOD <u>HSA-3 1/4 ID</u>	SHEET <u>1</u> OF <u>1</u>
DEPTH ROCK CORE <u>—</u>	WEATHER <u>SUN</u>	DRILLING COMPANY <u>SIME</u>	SURF. ELEV. <u>—</u>
NO. DIST. SA. <u>—</u> UD. SA. <u>—</u>	TEMP. <u>85°</u>	DRILL RIG <u>Cimco 2400</u>	DRILLER <u>Earl T.</u>
DEPTH WL. <u>—</u>	HRS. PROD. <u>—</u>	WT. SAMPLER HAMMER <u>170 lb</u>	DROP <u>30"</u>
TIME WL. <u>—</u>	HRS. DELAYED <u>—</u>	WT. CASING HAMMER <u>—</u>	DROP <u>—</u>
			STARTED <u>13:35 / 3-30-98</u>
			COMPLETED <u>15:45 / 3-30-98</u>

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
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	BL BLACK BR BROWN C. COARSE CA CASING CL CLAY CLY CLAYEY F FINE FRAG FRAGMENTS GL GRAVEL LAY LAYERED LYD LITTLE	M MEDIUM MIC MICACEOUS MOT MOTTLED NP NON-PLASTIC OG ORANGE ORG ORGANIC PH PRESSURE-HYDRAULIC PM PRESSURE-MANUAL R RED RES RESIDUAL RX ROCK

ELEV. DEPTH	DESCRIPTION	BLOWS FT	SAMPLES				DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
			NO.	TYPE	HAMM. BLOWS PER 6 IN (FORCE)	REC ATT		
1	Lt brown, tan SILTY SAND, (fine to med) grades to red-brown, soft, plastic SILTY CLAY, some to med fine to med. SAND		1	DO	2-1-2	1.0/2		GW-5-1 0"-2' (CLAYEY SAND)
2								
3								
4								
5	SAA - grades to grey, greenish-brown firm to stiff SILTY CLAY some to med fine to med SAND		2	DO	4-6-10	1.0/2		GW-5-2 4 1/2-6' (CLAYEY SAND)
6								
7								
8								
9	SAA, zones of varying clay content predominately grey-brown		3	DO	4-4-5	1.5/2		GW-5-3 9 1/2-11 (CLAYEY SAND)
10								
11								
12								
13	SAA, sl. moist & ≈ 16% bgs		4	DO	3-4-6	1.5/2		GW-5-4 14 1/2-16 (CLAYEY SAND)
14								
15								
16								
17	TD - Intermittent above and white fine to coarse, SAND		5	DO	3-12-16	1.5/2		GW-5-5 19-21 (SAND)
18								
19								
20								
21								

Well installed to
 ≈ 19 2' bgs
 2.5 bgs
 Sand to
 7' bgs
 ≈ 0.5 bgs
 bentonite
 chips to
 5' bgs
 hydrated

MONITORING WELL INSTALLATION LOG

JOB NO.		PROJECT	WELL NO.	SHEET
953-3225		Savannah - Brampton Rd	GW-6	1 of 1
GA INSP CD4		DILLING METHOD HSA 3310	GROUND ELEV. -	WATER DEPTH 5.48 BFOC
WEATHER SUN		DILLING COMPANY S & ME	COLLAR ELEV. -	DATE/TIME 4-1-92 12:00
TEMP. 85°		DILL RIG CIMCO 2400	STARTED 8:30 3-31	COMPLETED 15:30 3-31
STATION / OFFSET		DILLER CARL T.	TIME / DATE	TIME / DATE

MATERIALS INVENTORY

WELL CASING	<u>2 in. dia 10 l.f.</u>	WELL SCREEN	<u>2 in. dia. 10 l.f.</u>	BENTONITE SEAL	<u>PELLETS</u>
CASING TYPE	<u>PVC</u>	SCREEN TYPE	<u>PVC</u>	INSTALLATION METHOD	<u>POURED</u>
JOINT TYPE	<u>FLUSH</u>	SLOT SIZE	<u>0.01</u>	FILTER PACK QTY.	<u>2 1/2 BAGS</u>
GROUT QUANTITY	<u>2 29416 BAGS</u>	CENTRALIZERS	<u>-</u>	FILTER PACK TYPE	<u>QUARTZ SAND</u>
GROUT TYPE	<u>BENTONITE</u>	DRILLING MUD TYPE	<u>-</u>	INSTALLATION METHOD	<u>POURED</u>

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH
0.0	GROUND SURFACE SEE BORING LOGS	FLUSH MOUNT SURFACE CASING CONCRETE PAD BENTONITE GROUT BENTONITE CAP 2" PVC RISER MEDIUM GRADE SAND PACK 0.01 SLOT SCREEN 6" EMBO CAP
2		AUGERED TO ≈ 18.5' BGS INSTALLED 2" Ø PVC, 0.01 SLOT SCREEN FROM ≈ 18.5' BGS TO ≈ 8.5' BGS. INSTALLED 2" Ø PVC RISER TO SURFACE. POURED ≈ 4 BAGS MEDIUM GRADE SAND TO ≈ 6' BGS.
4		POURED 1 BAG BENTONITE CHIPS TO ≈ 4' BGS, POURED BENTONITE CHIPS HYDRATED IN 2' LIFTS TO SURFACE. INSTALLED FLUSH MOUNTED COVER & SMALL CONCRETE PAD.
6		
8		
10		
12		
14		
16		
18		
20		
		WELL DEVELOPMENT NOTES REMOVED ≈ 15 GALLONS W/ SUBMERSIBLE PUMP. WENT DRY MANY TIMES. RECOVERED QUICKLY. WATER SHOWED IMPROVEMENT, BUT STILL TURBID.

MONITORING WELL INSTALLATION LOG

JOB NO.	<u>953-3825</u>	PROJECT	<u>DF/BRAMPTON RD/GA</u>	WELL NO.	<u>GW-7</u>	SHEET	<u>1</u>
GA INSP.	<u>CDH</u>	DRILLING METHOD	<u>HSA-6 1/4 OD</u>	GROUND ELEV.		WATER DEPTH	<u>10.10</u>
WEATHER	<u>SUN</u>	DRILLING COMPANY	<u>Whiteaker</u>	COLLAR ELEV.		DATE/TIME	<u>10-7-99</u>
TEMP.	<u>70</u>	DRILL RIG	<u>ATV B-30</u>	DRILLER	<u>RON</u>	STARTED	<u>Oct 6 1999</u>
STATION / OFFSET				TIME / DATE		COMPLETED	<u>Oct 6 1999</u>
						TIME / DATE	

MATERIALS INVENTORY

WELL CASING	2 in. dia. 25 l.f.	WELL SCREEN	2 in. dia. 10 l.f.	BENTONITE SEAL	CHIPS
CASING TYPE	2" 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
GROUT TYPE	BENTONITE PELLETS	DRILLING MUD TYPE	-	INSTALLATION METHOD	POURED

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	
0.0			
2			
4			
6			
8			
10			
12			
14			
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			

GROUND SURFACE

Loose, orange/white/brown SILTY CLAY AND (f.m) SAND. becomes saturated @ $\approx 10'$

Wet, loose, grey white CLAYEY SAND & GRAVEL (f.m sand) (f.m gravel) - some clay stringers

Firmly moist to wet silt Grey green SILTY CLAY, & a little f.m. sand (microscopic)

Total drill depth $\approx 34.5'$ bgs

Concrete And

FLUSH MOUNT CASING

Bentonite Chips

2" ϕ PVC RISER

Sand filter pack

0.10 slot screen

Advanced pilot boring to determine depth to clay re-advanced w/ 6 1/4" OD Augers to $\approx 35'$ bgs. Poured out wood plug, installed 10" ϕ of 0.10 slot screen & 25' of 2" ϕ PVC riser to $\approx 34'$ bgs. Installed filter pack to $\approx 21'$ bgs. Poured bentonite chips to ground surface. Completed w/ flush mount finish.

Note: well installed inside augers

WELL DEVELOPMENT NOTES

Continuous cycles of pumping & soaking & bailing. Removed ≈ 50 gallons total

MONITORING WELL INSTALLATION LOG

JOB NO. <u>9533825</u>	PROJECT <u>DF/BRAMPTON RD/6A</u>	WELL NO. <u>GW-8</u>	SHEET <u>1</u>
GA INSP. <u>CDH</u>	DRILLING METHOD <u>HSA 6 1/4 OD</u>	GROUND ELEV. <u>-</u>	WATER DEPTH <u>4.34</u>
WEATHER <u>SUN</u>	DRILLING COMPANY <u>Whittaker Drilling</u>	COLLAR ELEV. <u>-</u>	DATE/TIME <u>10-7-99</u>
TEMP. <u>75°</u>	DRILL RIG <u>ATV B-30</u>	DRILLER <u>RON</u>	STARTED <u>10-5-00</u>
STATION / OFFSET		TIME / DATE	COMPLETED <u>10-5-00</u>
			TIME / DATE

MATERIALS INVENTORY

WELL CASING <u>2 in. dia. 25</u> lf.	WELL SCREEN <u>2 in. dia. 10</u> lf.	BENTONITE SEAL <u>BENTONITE PELLETS</u>
CASING TYPE <u>2" Ø PVC</u>	SCREEN TYPE <u>2" Ø PVC</u>	INSTALLATION METHOD <u>POURED</u>
JOINT TYPE <u>FLUSH</u>	SLOT SIZE <u>0.010 slot</u>	FILTER PACK QTY. <u>± 7 bags</u>
GROUT QUANTITY <u>-</u>	CENTRALIZERS <u>-</u>	FILTER PACK TYPE <u>#1 SAND</u>
GROUT TYPE <u>BENTONITE</u>	DRILLING MUD TYPE <u>-</u>	INSTALLATION METHOD <u>POURED</u>

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	
	GROUND SURFACE	FLUSH MOUNT CASING	
0.0	LOOSE, SL. moist orange		Advanced pilot boring for
2	white-brown SILTY		soil ID - Reamed to 6" w/
4	CLAY AND (f.m.) SAND		6 1/4" OD Augers to 35' bgs
6	BECOMES SATURATED		Poured out wood plug, installed
8	≈ 5' bgs		10' of 0.010 slot screen and
10			25' of 2" Ø riser pipe (PVC) to
12			≈ 34.5' bgs. Installed filter
14			pack to ≈ 21' bgs. Poured
16			bentonite chips to surface
18			Finished w/ flush mount
20			casing completion
22	wet loose greyish white		
24	CLAYEY SAND /		
26	GRAVEL (f.c. sand, f.m.		
28	gravel) - some		
30	clay stringers		
32		0.010 slot SCREEN	
34	Firm to stiff moist to		
36	wet grey green		
	SILTY CLAY, to		
	to light f.m. sand		
	micaceous		
	Total Drill Depth		
	≈ 35' bgs - Total		
	well depth ≈ 34.50'		
	bgs		

WELL DEVELOPMENT NOTES

Cycles of surging, pumping & hauling - Removed ≈ 45 gal

MONITORING WELL INSTALLATION LOG

JOB NO. <u>953-3625</u>	PROJECT <u>DL/BRAMPTON ROAD/GA</u>	WELL NO. <u>GW-9</u>	SHEET <u>1</u>
GA INSP <u>CDH</u>	DRILLING METHOD <u>HSA - 6 1/4" OD</u>	GROUND ELEV. <u>—</u>	WATER DEPTH <u>0.94</u>
WEATHER <u>RAIN</u>	DRILLING COMPANY <u>WHITTAKER</u>	COLLAR ELEV. <u>—</u>	DATE/TIME <u>10-7-95</u>
TEMP. <u>80°</u>	DRILL RIG <u>ATVB-30</u>	STARTED <u>10-4-99-11:20</u>	COMPLETED <u>10-4-99-15:30</u>
STATION / OFFSET		TIME / DATE	

MATERIALS INVENTORY

WELL CASING <u>2 in. dia. 35 ft.</u>	WELL SCREEN <u>2 in. dia. 10 ft.</u>	BENTONITE SEAL <u>BENTONITE CHIPS</u>
CASING TYPE <u>2" Ø PVC</u>	SCREEN TYPE <u>PVC</u>	INSTALLATION METHOD <u>POURED</u>
JOINT TYPE <u>TRICOL FLUSH</u>	SLOT SIZE <u>0.010</u>	FILTER PACK QTY. <u>26 BAGS</u>
GROUT QUANTITY <u>—</u>	CENTRALIZERS <u>—</u>	FILTER PACK TYPE <u>—</u>
GROUT TYPE <u>BENTONITE PELLETS</u>	DRILLING MUD TYPE <u>—</u>	INSTALLATION METHOD <u>POURED</u>

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	
	GROUND SURFACE		
0.0			DRILLED PILOT BRING FOR SOIL IDENTIFICATION.
2	LOOSE TO VERY LOOSE, MOTTLED DRINKING WATER SILTY CLAY; f-m SAND (QUARTZ)		REDRILLED W/ 6 1/4" AUGER TO ± 34' BGS - POUNDED
4			OUT WOOD PLUG, INSTALLED 10' OF 0.010 SLOT SCREEN & 25' OF 2" Ø PVC RISER PIPE TO ± 33' BGS.
6			INSTALLED FILTER PACK TO ± 19' BGS. POURED BENTONITE CHIPS TO GROUND SURFACE.
8	BECOMES SATURATED @ ± 7' BGS -		
10	Turns GREY/BROWN @ ± 15' BGS		
12			
14			
16			
18			
20	WET, LOOSE TO V. LOOSE GREY/WHITE		
22	CLAYEY SAND;		
24	GRAVEL (f-c sand, f-c GRAVEL)		
26			
28	GRAVEL UP TO 3" Ø, ROUNDED		
30			WELL DEVELOPMENT NOTES
32			Cycles of surging, pumping, bailing - ± 50 gallons removed
34	FIRM, MOIST TO WET, GREY/GREEN SILTY CLAY, trace to little f-m SAND (miscellaneous)		
36			
38			

MONITORING WELL INSTALLATION LOG

JOB NO. <u>9533825</u>	PROJECT <u>DF/BLAMPTON RD/GA</u>	WELL NO. <u>GW-10</u>	SHEET <u>1</u>
GA INSP. <u>CDH</u>	DRILLING METHOD <u>HSA-6 1/2 OD</u>	GROUND ELEV. _____	WATER DEPTH <u>8.80 BTOC</u>
WEATHER <u>SUN</u>	DRILLING COMPANY <u>Whittaker</u>	COLLAR ELEV. _____	DATE/TIME <u>10-7-99</u>
TEMP. <u>75°</u>	DRILL RIG <u>ATVB-30</u>	DRILLER <u>RON</u>	STARTED <u>Oct 6, 1999</u>
STATION / OFFSET _____		TIME / DATE _____	COMPLETED <u>Oct 6, 1999</u>
		TIME / DATE _____	TIME / DATE _____

MATERIALS INVENTORY

WELL CASING <u>2 in. dia. 25' lf.</u>	WELL SCREEN <u>2 in. dia. 10' lf.</u>	BENTONITE SEAL <u>CHIPS</u>	
CASING TYPE <u>2" Ø PVC</u>	SCREEN TYPE <u>PVC</u>	INSTALLATION METHOD <u>POURED & HYDRATED</u>	
JOINT TYPE <u>FLUSH</u>	SLOT SIZE <u>0.010</u>	FILTER PACK QTY. <u>≈ 6 BAGS</u>	
GROUT QUANTITY <u>-</u>	CENTRALIZERS <u>-</u>	FILTER PACK TYPE <u>#1 SAND</u>	
GROUT TYPE <u>BENTONITE PELLETS</u>	DRILLING MUD TYPE <u>-</u>	INSTALLATION METHOD <u>POURED</u>	

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	
		FLUSH MOUNT CASING	
	GROUND SURFACE		
0.0			
2	LOOSE TO VERY LOOSE, ORANGE/WHITE/BROWN MOTTLED SILTY CLAY	CONCRETE PAD	Advanced Pilot boring to determine top of clay
4	AND f-m SAND		depth re-advanced
6	Becomes saturated	2" Ø PVC riser	6 1/4 OD funnels to ≈ 34.5' bgs
8	≈ 9' bgs		Round off wood plug, installed
10			10' of 0.010 slot screen & ≈ 25' of 2" Ø 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.
12			
14		Bentonite chips	
16			Note - well installed inside casing
18			
20	WET, LOOSE to V. LOOSE		
22	Grey/white CLAYEY SAND & GRAVEL	SAND FILTER PACK	
24	(f-c SAND, f-m gravel)		
26			
28			
30			WELL DEVELOPMENT NOTES
32		0.010 slot PVC screen	Continuous cycles of pumping, surging & bailing
34	FIRM & STIFF, MOIST TO WET, GREY/GREEN SILTY CLAY		Removed ≈ 45 gallons
36	tr to little f-m SAND - micaceous (TOTAL DRILL DEPTH ≈ 34.5' bgs)		

MONITORING WELL INSTALLATION LOG

JOB NO.	<u>953-3625</u>	PROJECT	<u>DL/BRAMPTON RD/EN</u>	WELL NO.	<u>GW-11</u>	SHEET	<u>1</u>
GA INSP.	<u>CDH</u>	DRILLING METHOD	<u>MSA - 6"4 OD</u>	GROUND ELEV.	<u>—</u>	WATER DEPTH	<u>5.84</u>
WEATHER	<u>SW</u>	DRILLING COMPANY	<u>Whitaker Drilling</u>	COLLAR ELEV.		DATE/TIME	<u>10-7-00</u>
TEMP.	<u>70°</u>	DRILL RIG	<u>ATV B-30</u>	STARTED	<u>10-5-00</u>	COMPLETED	<u>10-5-00</u>
STATION / OFFSET				TIME / DATE		TIME / DATE	

MATERIALS INVENTORY

WELL CASING	<u>2</u> in. dia. <u>25</u> l.f.	WELL SCREEN	<u>2</u> in. dia. <u>10</u> l.f.	BENTONITE SEAL	<u>CHIPS</u>
CASING TYPE	<u>2" Φ PVC</u>	SCREEN TYPE	<u>PVC</u>	INSTALLATION METHOD	<u>POURED</u>
JOINT TYPE	<u>FLUSH</u>	SLOT SIZE	<u>0.010</u>	FILTER PACK QTY.	<u>≈ 7 BAGS</u>
GROUT QUANTITY	<u>—</u>	CENTRALIZERS	<u>—</u>	FILTER PACK TYPE	<u>#1 SAND</u>
GROUT TYPE	<u>BENTONITE</u>	DRILLING MUD TYPE	<u>—</u>	INSTALLATION METHOD	<u>POURED</u>

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH
	GROUND SURFACE	ELDSHAWNT CASING
0.0	Loose, lite brown, orange-tan SILTY CLAY & SAND (I-m)	(CONCRETE PAD)
2		
4		
6		BENTONITE CHIPS
8		
10		
11		
12		
14		
16		2" Ø PVC RISER
18		
20		
22		
24	Wet, loose, grey/white CLAYEY SAND & GRAVEL (I-c sand) (f-m gravel) - some clay stringers	
26		
28		
30		0.010 slot screen
32		
34		
36	FIRM TO STIFF, MOIST TO WET, GREY/GREEN SILTY CLAY, f-m sand, micaeous	SAND PACK FILTER
38		

Advanced pilot boring to determine depth to clay.
Re-advanced w/ 6' 1/4" OD augers to ~ 38' bgs. Poured out wood plug, installed 28' of PVC riser & 10' of 0.010 slot PVC screen to 37.5' bgs. Installed 4' 1/2" pack to ~ 24' bgs. Pump bentonite chips to surface - completed w/ flush mount finish.

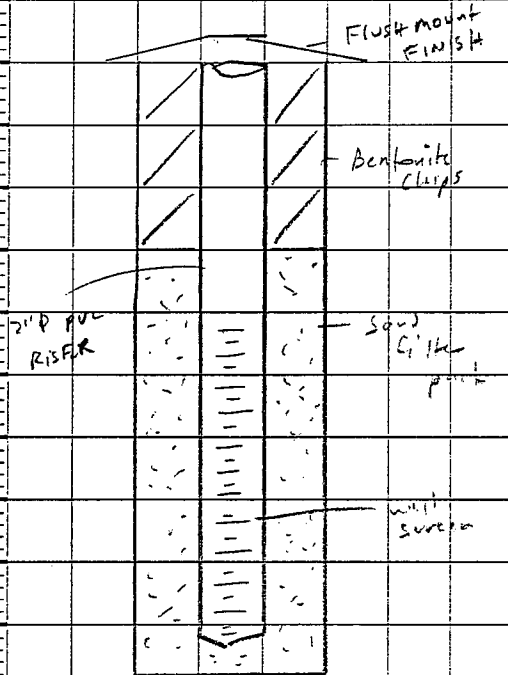
Continuous cycles of surging, pumping & filtering - ~ 50 gallons removed

MONITORING WELL INSTALLATION LOG

JOB NO. <u>953-3825</u>	PROJECT <u>2F/BRAMPTON ROAD / CA</u>	WELL NO. <u>GW-12</u>	SHEET <u>1</u>
GA INSP. <u>CDH</u>	DRILLING METHOD <u>HSA - 64400</u>	GROUND ELEV. <u>-</u>	WATER DEPTH <u>5.6</u>
WEATHER <u>SUN</u>	DRILLING COMPANY <u>Whittaker</u>	COLLAR ELEV. <u>-</u>	DATE/TIME
TEMP. <u>70°</u>	DRILL RIG <u>B-53 Mobile</u>	DRILLER <u>Ron Wilkerson</u>	STARTED <u>11:30 3-27-00</u>
STATION / OFFSET			COMPLETED <u>3:30 - 3-27-00</u>

MATERIALS INVENTORY

WELL CASING <u>2</u> in. dia. <u>10</u> ft.	WELL SCREEN <u>2</u> in. dia. <u>10</u> ft.	BENTONITE SEAL <u>CITIPS</u>
CASING TYPE <u>PVC</u>	SCREEN TYPE <u>PVC</u>	INSTALLATION METHOD <u>POURED</u>
JOINT TYPE <u>FLUSH</u>	SLOT SIZE <u>0.010</u>	FILTER PACK QTY. <u>~ 5 bags</u>
GROUT QUANTITY <u>-</u>	CENTRALIZERS <u>-</u>	FILTER PACK TYPE <u>#1 SAND</u>
GROUT TYPE <u>Bentonic Pellets</u>	DRILLING MUD TYPE <u>-</u>	INSTALLATION METHOD <u>POURER</u>

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	
	GROUND SURFACE		
0.0			Advanced PILOT BORING to determine depth in clay
2	moist, firm, orange, white, fern mottled		Re-advanced w/ 6'14" OD augers to ~ 19' bgs
4	SILTY CLAY and SAND (Firm)		(clay encountered ~ 17.5')
6	w/ intermittent sandier layers - becomes wet ~ 6' bgs		pounded out plug, installed 10' of 0.010 slot PVC screen and 10' of 2" Ø PVC riser to surface. Installed filter pack to ~ 6' bgs - Poured & hydrated bentonite chips to ground surface. Completed w/ flush mount finish
8			
10			
12	SAA, increased clay content, lenses of sand & clay		
14			
16			
18	Firm to stiff, moist to wet gray-green		
20	SILTY CLAY, micaceous		
22	(Berryville)		
24			
	END OF PILOT BORING		
			WELL DEVELOPMENT NOTES
			Continuous cycles of pumping & surging w/ bailer/pump ~ 40 gallons removed (well went dry periodically, allowed rearing)

BORING B-1

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				
7		SP	BROWN SAND, TRACE ROOTS, SILTY, FINE TO VERY FINE GRAINED	1.0	7.4
14		SC	GRAY CLAY, MOTTLED WITH RED CLAY, SANDY	1.0	1.0
29	5	SC		1.0	1.6
29		SC	LIGHT GRAY CLAYEY SAND, FINE TO VERY FINE GRAINED WITH TRACE MUSCOVITE	4.0	32
27	10	SP	LIGHT GRAY SAND, FINE TO VERY FINE GRAINED, TRACE MUSCOVITE, TRACE TO LITTLE CLAY	4.0	120
		SC			
21	15	SP	YELLOWISH TAN SAND, FINE TO VERY FINE GRAINED	4.0	80
		SP	ORANGISH TAN SAND, FINE TO VERY FINE GRAINED		
6	20			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

REVISIONS

BY TATA DATE 11/24/87

DATE

CHECKED BY BELL

D & M JOB NO. 16298-001-049

VISIONS

BY DATE

TE 1/87

CHECKED BY BELL

D & M JOB NO. 16298-001-049

SAMPLING RESISTANCE
(BLOWS/FOOT) NSPT

DEPTH (FEET)

UNIFIED SOIL
CLASSIFICATION

BORING B-2

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 9.5 FEET DEPTH

DESCRIPTION

BKG

OVA

	0		SP	SAND, LIGHT BROWN, FINE TO VERY FINE GRAINED, TRACE ROOTS		
22	■				1.0	0.8
			SC	GRAY CLAY MOTTLED WITH RED CLAY, SANDY, TRACE MUSCOVITE		
20	■		CL		1.0	1.0
		5				
20	■				1.0	1.0
			SC	LIGHT GRAY CLAYEY SAND, FINE TO VERY FINE GRAINED, TRACE MUSCOVITE	2.0	12
24	■					
			SC	LIGHT GRAY SAND, FINE TO VERY FINE GRAINED, TRACE TO LITTLE CLAY, TRACE MUSCOVITE	4.0	28
22	■	10				
			SP	GRAY SAND, FINE TO VERY FINE GRAINED, TRACE MUSCOVITE, LITTLE YELLOWISH TAN SAND WITH DEPTH		
					4.0	30
22	■	15				
			SP	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

BORING B-3 (WELL 1)

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 9.0 FEET DEPTH

SAMPLING RESISTANCE (BLOWS/FOOT) NSPT	DEPTH (FEET)	UNIFIED SOIL CLASSIFICATION	DESCRIPTION	BKG	OVA
	0		ASPHALT AND BASE COURSE		
		SC CL	GRAY CLAY MOTTLED WITH RED CLAY, SANDY, TRACE MUSCOVITE		
26	5	SC	GRAY CLAY, SANDY, MOTTLED WITH YELLOWISH ORANGE CLAYEY SAND	10	950
26		SP	LIGHT GRAY SAND, FINE TO VERY FINE GRAINED, TRACE CLAY WITH ORANGE FINE SAND	10	> 1000
23		CL	GRAY CLAY MOTTLED WITH RED CLAY, TRACE MUSCOVITE	10	820
19	10	CL		10	880
36	15	SP	LIGHT GRAY SAND, FINE TO VERY FINE GRAINED	20	380
29	20			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

REVISIONS

DATE

BY

DATE 11/24/87

BY TATA

CHECKED BY BELL

D & M JOB NO. 16298-001-049

REVISIONS

BY DATE 11/24/87

DATE

BY

CHECKED BY BELL

D & M JOB NO. 16298-001-049

BORING B-4

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		ASPHALT AND BASE COURSE		
22		SC CL	GRAY CLAY MOTTLED WITH RED CLAY, SANDY, TRACE MUSCOVITE	2.0	50
31				2.0	4.8
	5		LIGHT YELLOWISH ORANGE SAND, FINE TO VERY FINE GRAINED, TRACE SILT		
21		SP		2.0	72
21				10	250
18	10	CL	GRAY CLAY MOTTLED WITH RED CLAY, TRACE SAND	20	340
			LIGHT GRAY SAND, FINE TO VERY FINE GRAINED		
19	15	SP		10	88
			ORANGISH TAN SAND, FINE TO MEDIUM GRAINED		
41	20	SP		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

BORING B-5 (WELL 2)

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 8.5 FEET DEPTH

SAMPLING RESISTANCE (BLOWS/FOOT) NSPT	DEPTH (FEET)	UNIFIED SOIL CLASSIFICATION	DESCRIPTION	BKG	OVA
	0	SP SM	DARK BROWN SAND, SILTY, TRACE ROOTS		
9		SC CL	GRAY CLAY MOTTLED WITH RED CLAY, SANDY WITH TRACE MUSCOVITE	1.0	2.4
11		SC	GRAY SAND MOTTLED WITH RED SAND, FINE TO VERY FINE GRAINED, CLAYEY WITH TRACE MUSCOVITE	1.0	220
20		SP SC	REDDISH ORANGE SAND, FINE TO VERY FINE GRAINED, SOME CLAY	10	48
		SC CL	GRAY CLAY MOTTLED WITH RED CLAY, SANDY WITH TRACE MUSCOVITE	4.0	22
23	10	SP	LIGHT GRAY SAND, FINE TO VERY FINE GRAINED WITH YELLOWISH ORANGE FINE TO VERY FINE GRAINED SAND	4.0	46
16	15	SP	GRADING WITH MORE YELLOWISH ORANGE FINE TO VERY FINE SAND	4.0	56
43	20	SP	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

REVISIONS

DATE

BY

DATE 11/24/87

CHECKED BY BELL

D & M JOB NO. 16298-001-049

REVISIONS

DATE 11/24/87

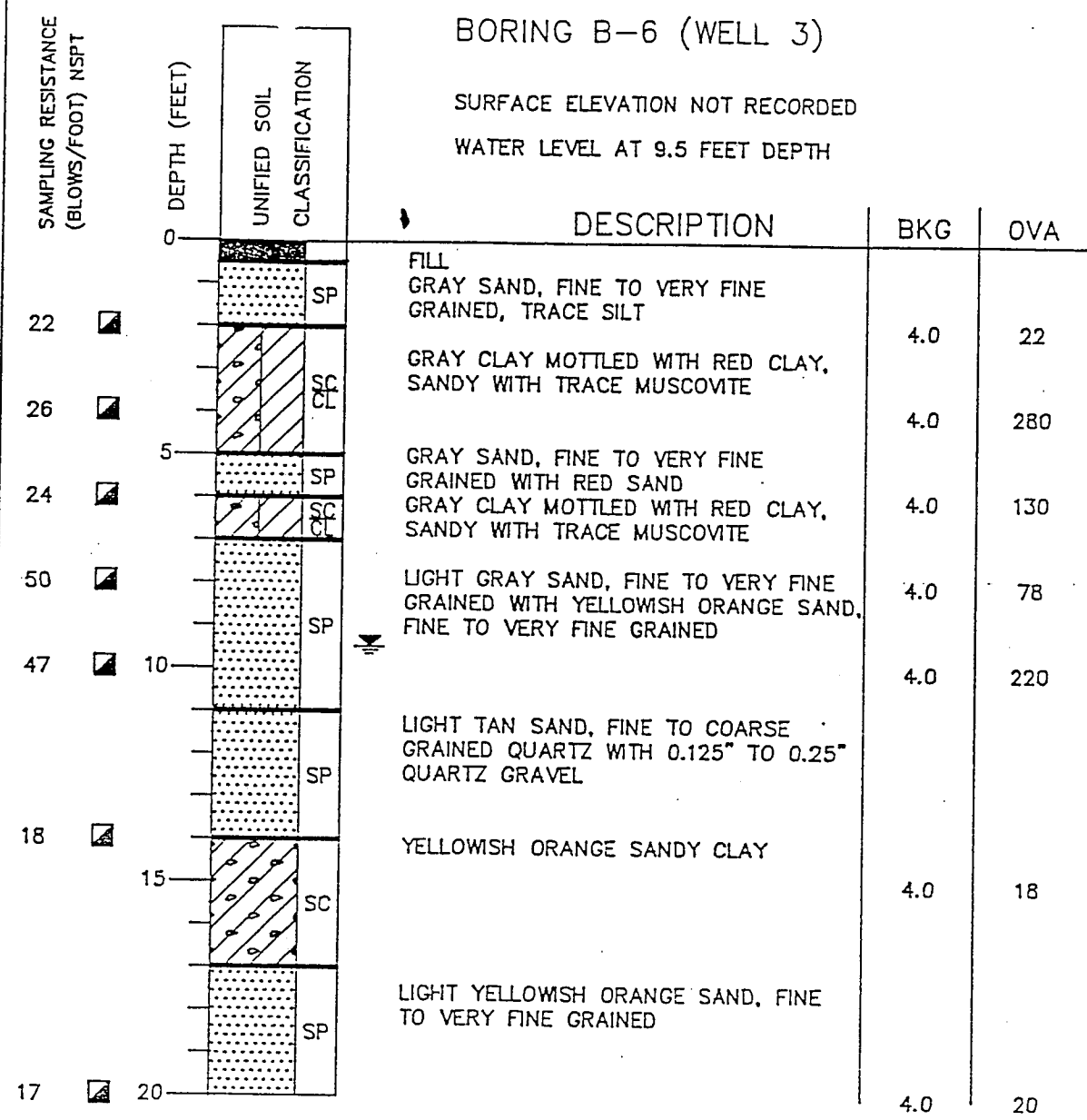
BY DATA

CHECKED BY BELL

DATE

BY

D & M JOB NO. 16298-001-049



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

BORING B-7 (WELL 4)

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	GRAY SAND, FINE TO VERY FINE GRAINED, TRACE ROOTS		
36		SC	GRAY CLAYEY SAND MOTTLED WITH RED CLAYEY SAND		
		SC	GRAY CLAY MOTTLED WITH RED CLAY, SANDY WITH TRACE MUSCOVITE	2.0	28
11		SP	DARK GRAY SAND, FINE TO VERY FINE GRAINED, TRACE SILT		
		SC	DARK GRAY SANDY CLAY	20	> 1000
13	5	CL	LIGHT GRAY CLAY MOTTLED WITH YELLOWISH ORANGE SANDY CLAY	10	300
15		SC		10	84
26	10	SP	LIGHT GRAY SAND, FINE TO VERY FINE GRAINED	4.0	24
13		SP	LIGHT TAN SAND, FINE TO COARSE GRAINED QUARTZ WITH 0.125" TO 0.25" QUARTZ GRAVEL		
	15	SC	LIGHT GRAY CLAY MOTTLED WITH YELLOWISH ORANGE CLAY, SANDY	4.0	56
		SP	LIGHT TAN SAND, FINE TO COARSE GRAINED QUARTZ WITH 0.125" TO 0.25" QUARTZ GRAVEL		
3	20	SC	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

REVISIONS

DATE

BY

DATE 11/24/87

BY TATA

CHECKED BY BELL

D & M JOB NO. 16298-001-049

BORING B-8 (WELL 5)

SURFACE ELEVATION NOT RECORDED

WATER LEVEL AT 13.0 FEET DEPTH

SAMPLING RESISTANCE (BLOWS/FOOT) NSPT	DEPTH (FEET)	UNIFIED SOIL CLASSIFICATION	DESCRIPTION	BKG	OVA
	0	SP	LIGHT BROWN SAND, FINE TO VERY FINE GRAINED		
18	18	SC	GRAY CLAYEY SAND MOTTLED WITH RED CLAYEY SAND	1.0	1.0
28	28	SC		1.0	1.1
21	5		GRAY SAND, FINE TO VERY FINE GRAINED WITH LIGHT YELLOWISH ORANGE SAND, FINE TO VERY FINE GRAINED	1.0	1.7
26	26			1.0	1.6
18	10	SP		1.0	1.2
18	15			1.0	1.6
6	20			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

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BY DATE

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BY DATE

REVISIONS

DATE 1/7/24/87

DATE

BY

CHECKED BY BELL

D & M JOB NO. 16298-001-049

BORING B-9 (WELL 6)

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		FILL		
18	18	SC	GRAY CLAYEY SAND MOTTLED WITH RED CLAYEY SAND, TRACE MUSCOVITE	1.0	1.2
20	20			1.0	1.2
24	24	SC CL	GRAY CLAY WITH SOME RED CLAY, SANDY WITH TRACE MUSCOVITE	1.0	1.3
16	16		GRADING MORE SANDY	1.0	4.0
22	22	SP	LIGHT GRAY SAND, FINE TO VERY FINE GRAINED WITH YELLOWISH ORANGE SAND, FINE TO VERY FINE GRAINED, TRACE CLAY	2.0	24
15	15			2.0	12
5	5	SP	LIGHT TAN SAND, FINE TO COARSE GRAINED QUARTZ WITH 0.125" TO 0.25" QUARTZ GRAVEL		
	20	CL	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

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, 15-25% very fine-fine sand, medium plasticity	Sample #1(3.0 ft.)
	5.0	CL-SAA, low plasticity	Sample #2(5.0 ft.)
	7.0		(Hydrocarbon odor)
7.0		SC - Soft, gray, greenish gray, clayey SAND, low plasticity, wet	Hydrocarbon Odor
	11.0		
11.0		CH - Stiff, gray, orange brown, mottled fatty clay, 5-10% very fine sand, high plasticity, wet	Hydrocarbon Odor
	13.0		
13.0		SC - Soft, gray, clayey, very fine-fine SAND, medium plasticity, wet	Hydrocarbon Odor
	15.0		
15.0		CL - Firm, gray CLAY, 20-30% very fine sand, low plasticity	Hydrocarbon Odor
	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.

[illegible]

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.

[illegible]

Remarks:

**ATLANTA ENVIRONMENTAL MANAGEMENT, INC.
PIEZOMETER WELL LOG**

Date: 9/2/92

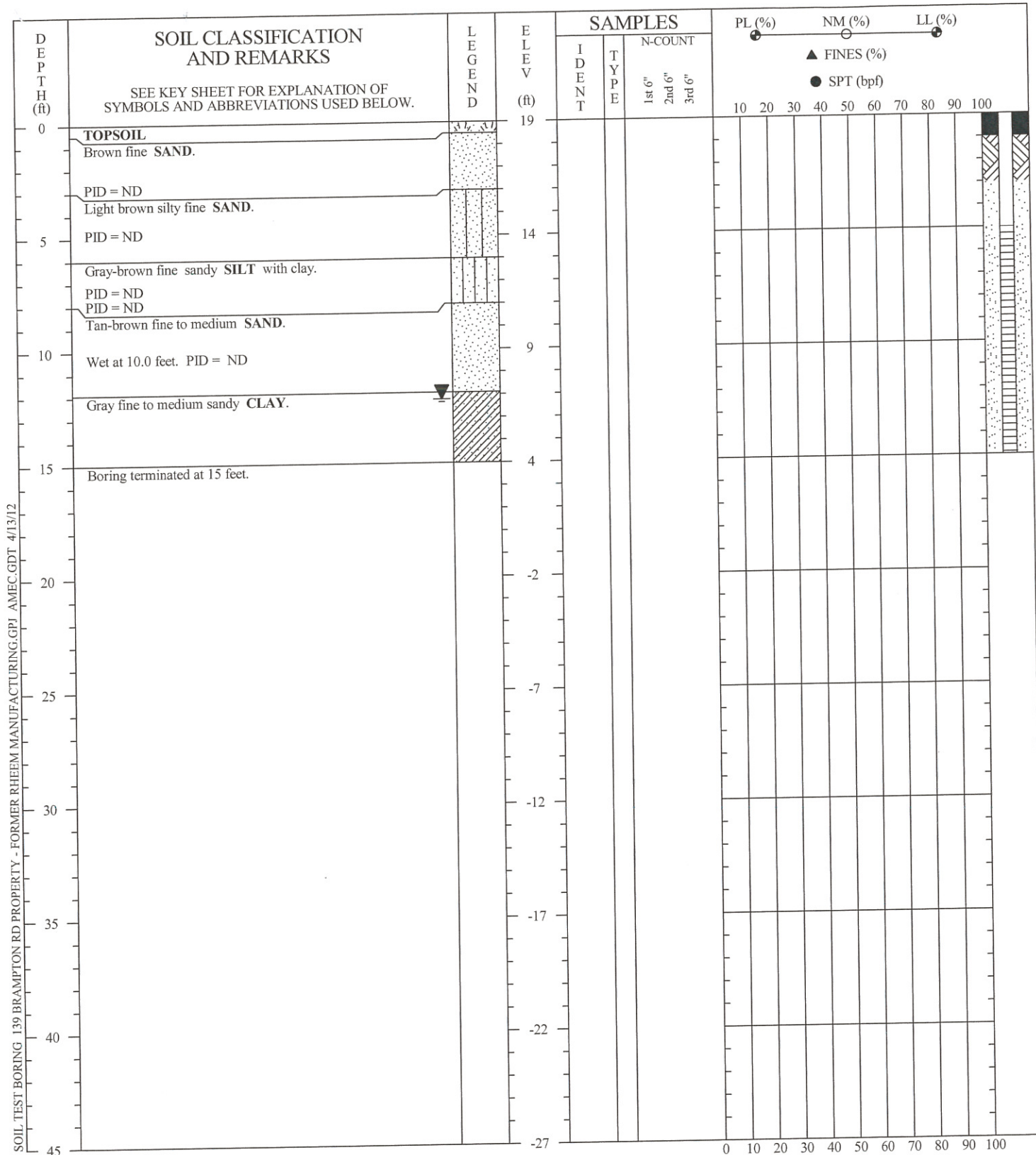
Owner: Georgia Drum
Well No.: P-1
Location: Garden City, Georgia

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:



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

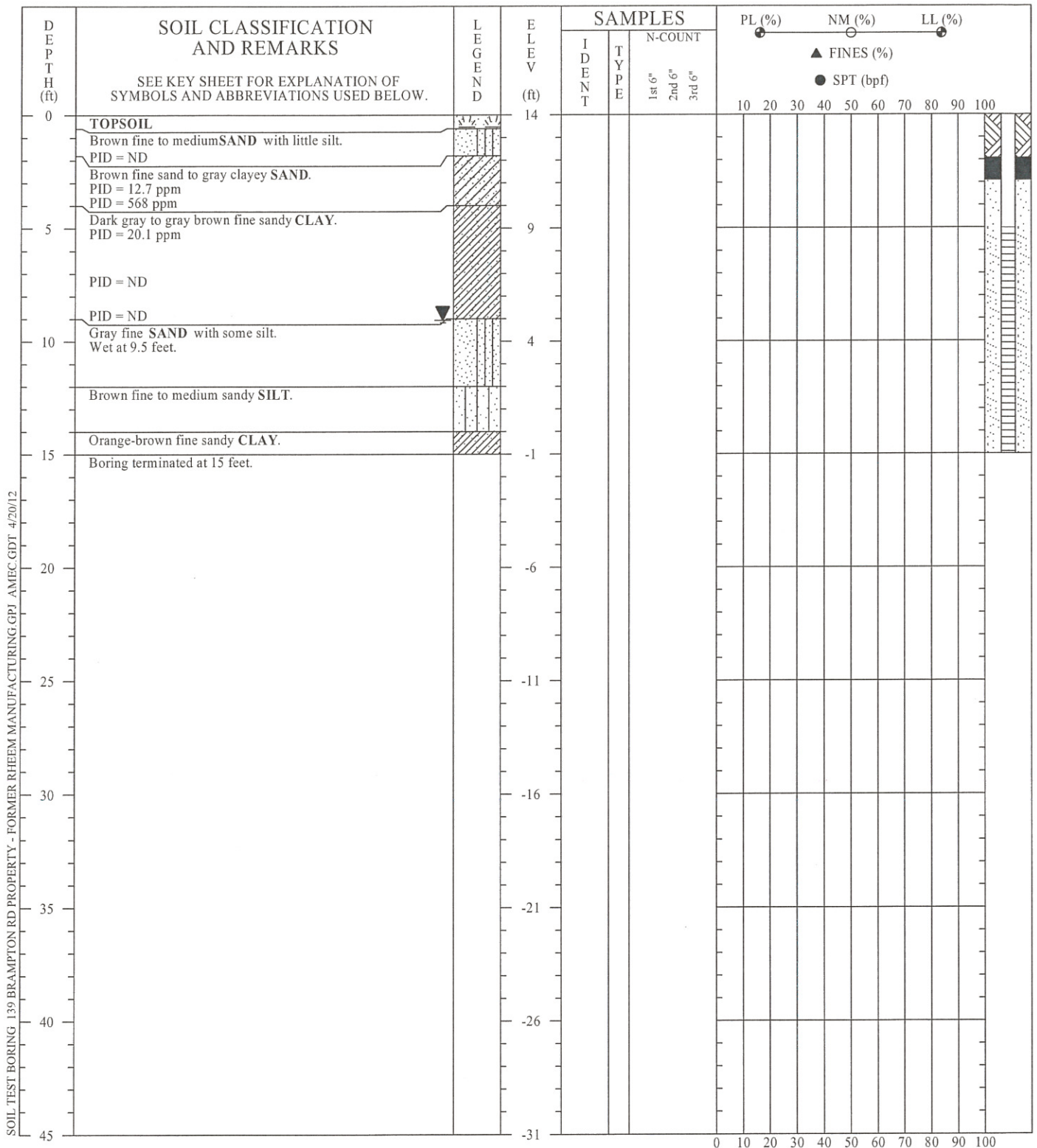
SOIL TEST BORING RECORD

BORING NO.: EW-1
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 5, 2012
PROJECT NO.: 6121-09-0220

PAGE 1 OF 1

THIS RECORD IS A REASONABLE INTERPRETATION OF
 SUBSURFACE CONDITIONS AT THE EXPLORATION
 LOCATION. SUBSURFACE CONDITIONS AT OTHER
 LOCATIONS AND AT OTHER TIMES MAY DIFFER.
 INTERFACES BETWEEN STRATA ARE APPROXIMATE.
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

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

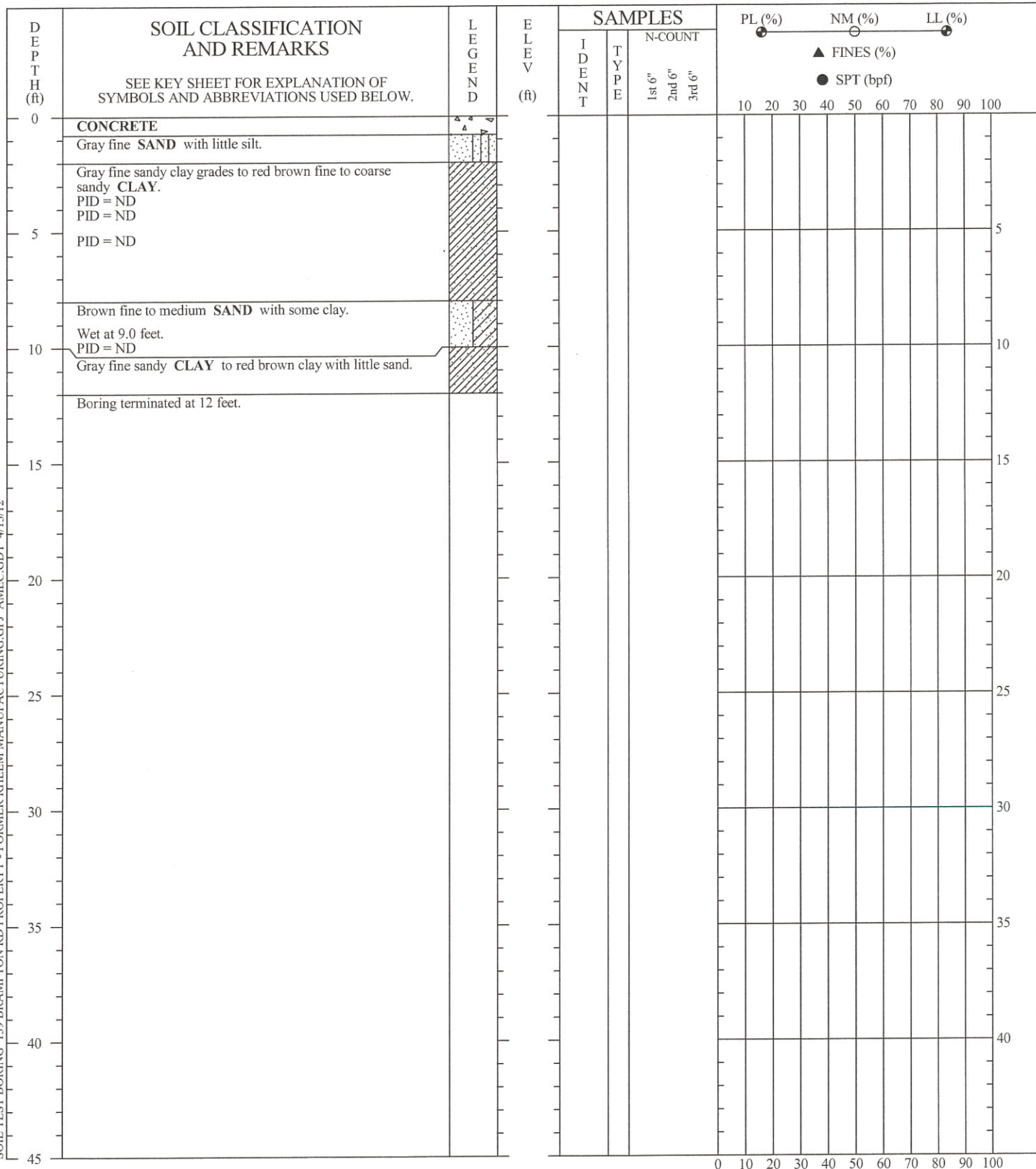
BORING NO.: EW-2
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

PAGE 1 OF 1

THIS RECORD IS A REASONABLE INTERPRETATION OF
 SUBSURFACE CONDITIONS AT THE EXPLORATION
 LOCATION. SUBSURFACE CONDITIONS AT OTHER
 LOCATIONS AND AT OTHER TIMES MAY DIFFER.
 INTERFACES BETWEEN STRATA ARE APPROXIMATE.
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

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 BETWEEN STRATA ARE APPROXIMATE.
TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

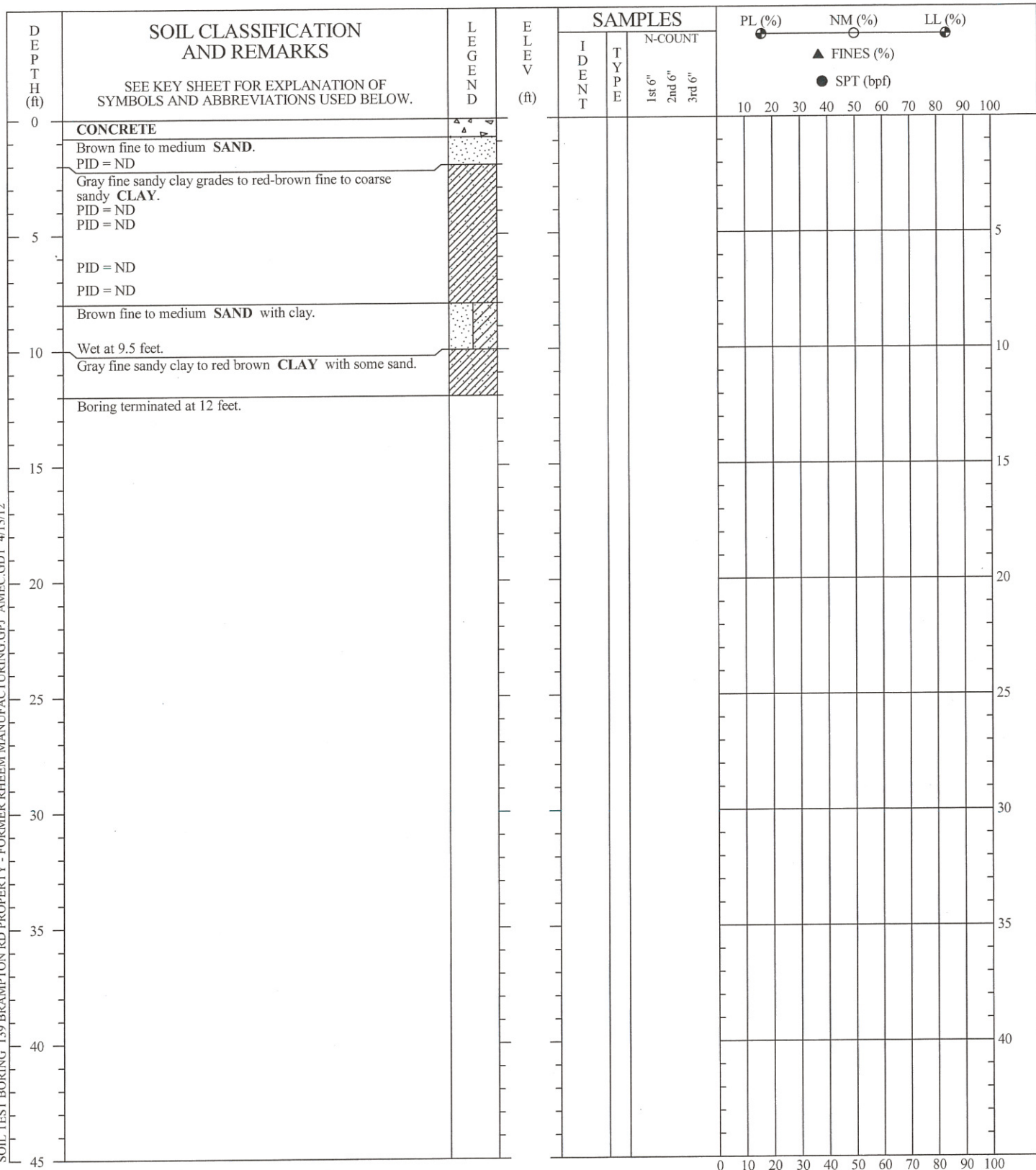
SOIL TEST BORING RECORD

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



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

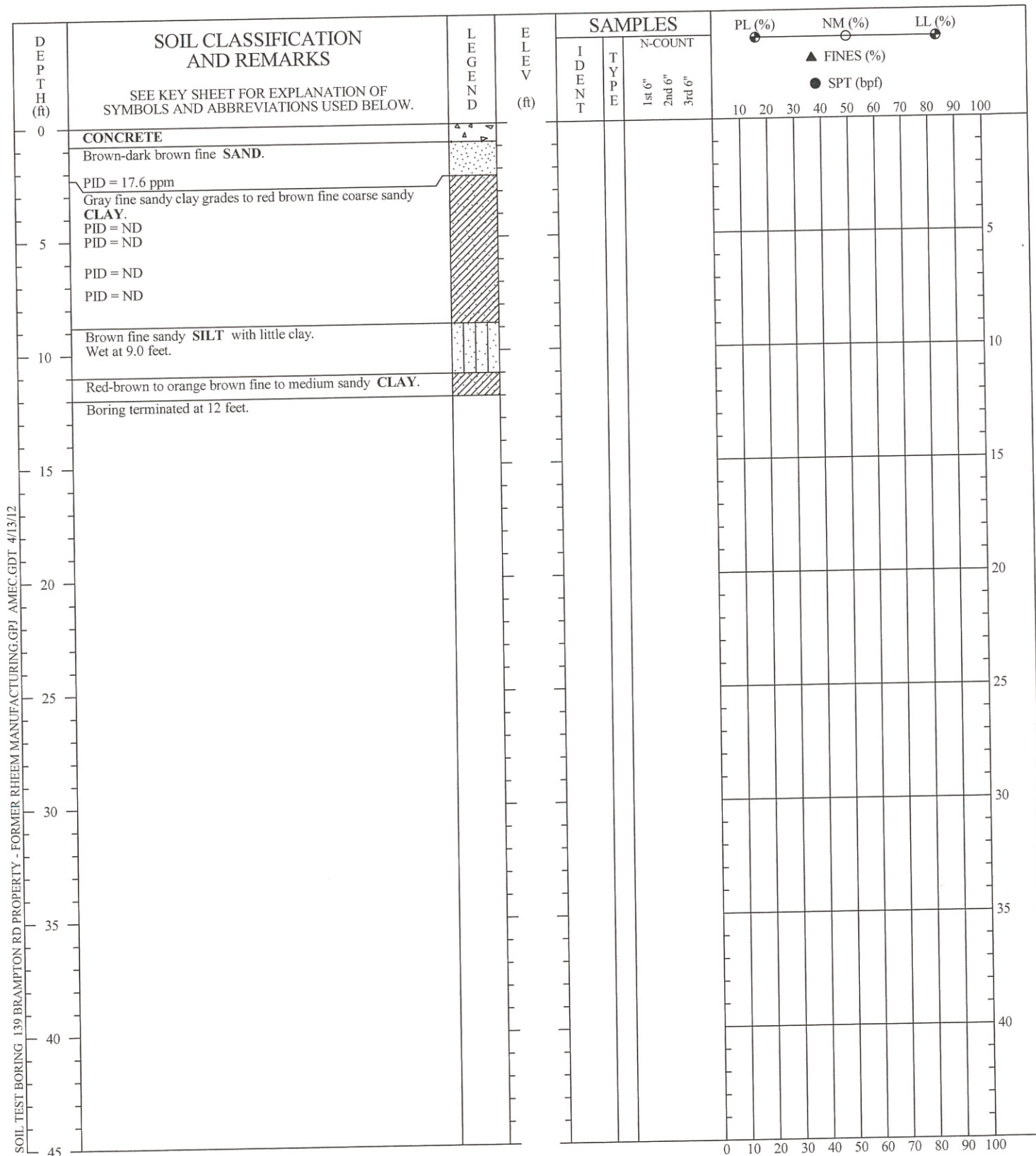
THIS RECORD IS A REASONABLE INTERPRETATION OF
SUBSURFACE CONDITIONS AT THE EXPLORATION
LOCATION. SUBSURFACE CONDITIONS AT OTHER
LOCATIONS AND AT OTHER TIMES MAY DIFFER.
INTERFACES BETWEEN STRATA ARE APPROXIMATE.
TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

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

PAGE 1 OF 1





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 BETWEEN STRATA ARE APPROXIMATE.
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

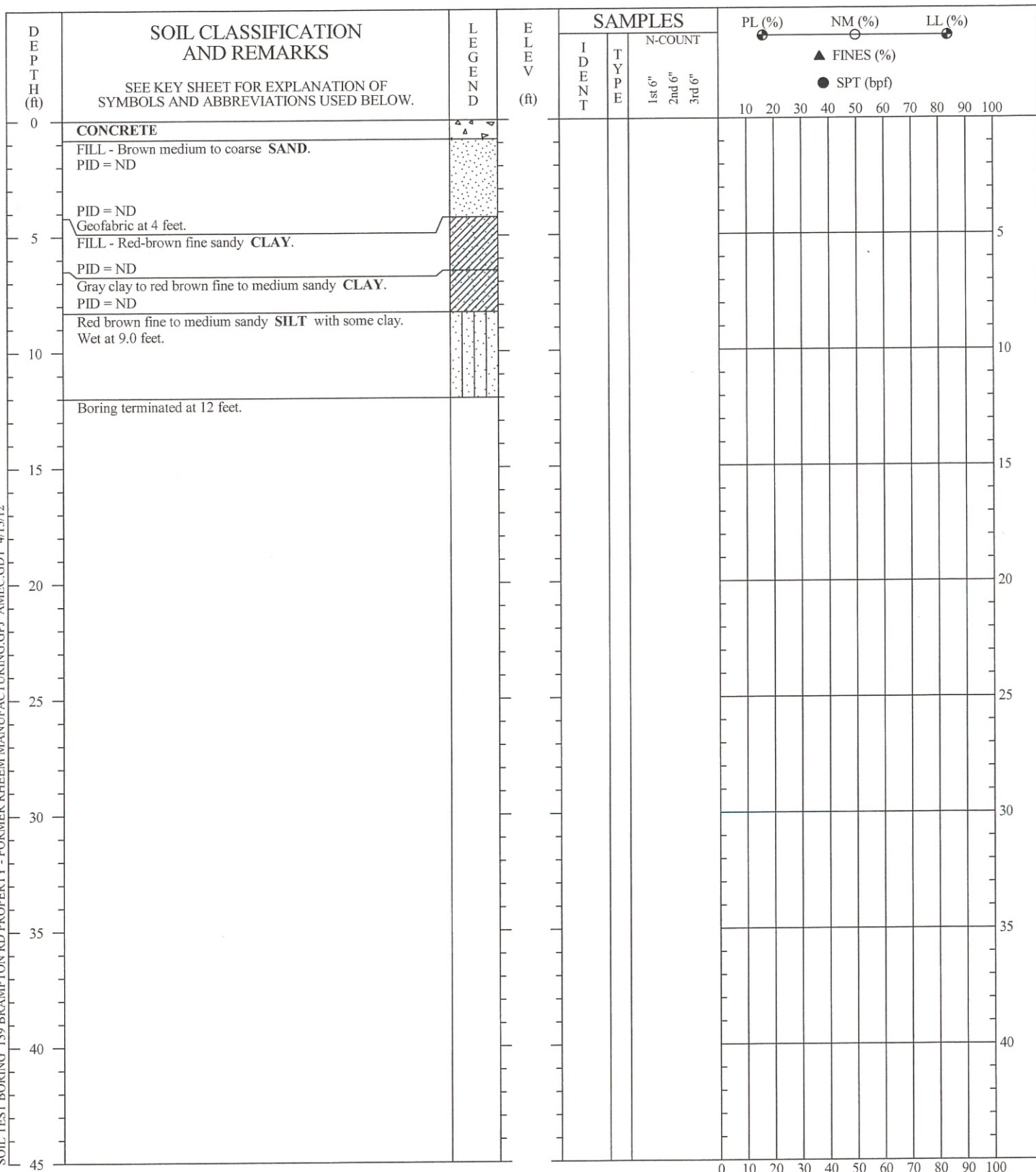
SOIL TEST BORING RECORD

BORING NO.: GP-03
 PROJECT: 139 Brampton Road Property
 LOCATION: Savannah, GA
 DRILLED: March 5, 2012
 PROJECT NO.: 6121-09-0220

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 BETWEEN STRATA ARE APPROXIMATE.
TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

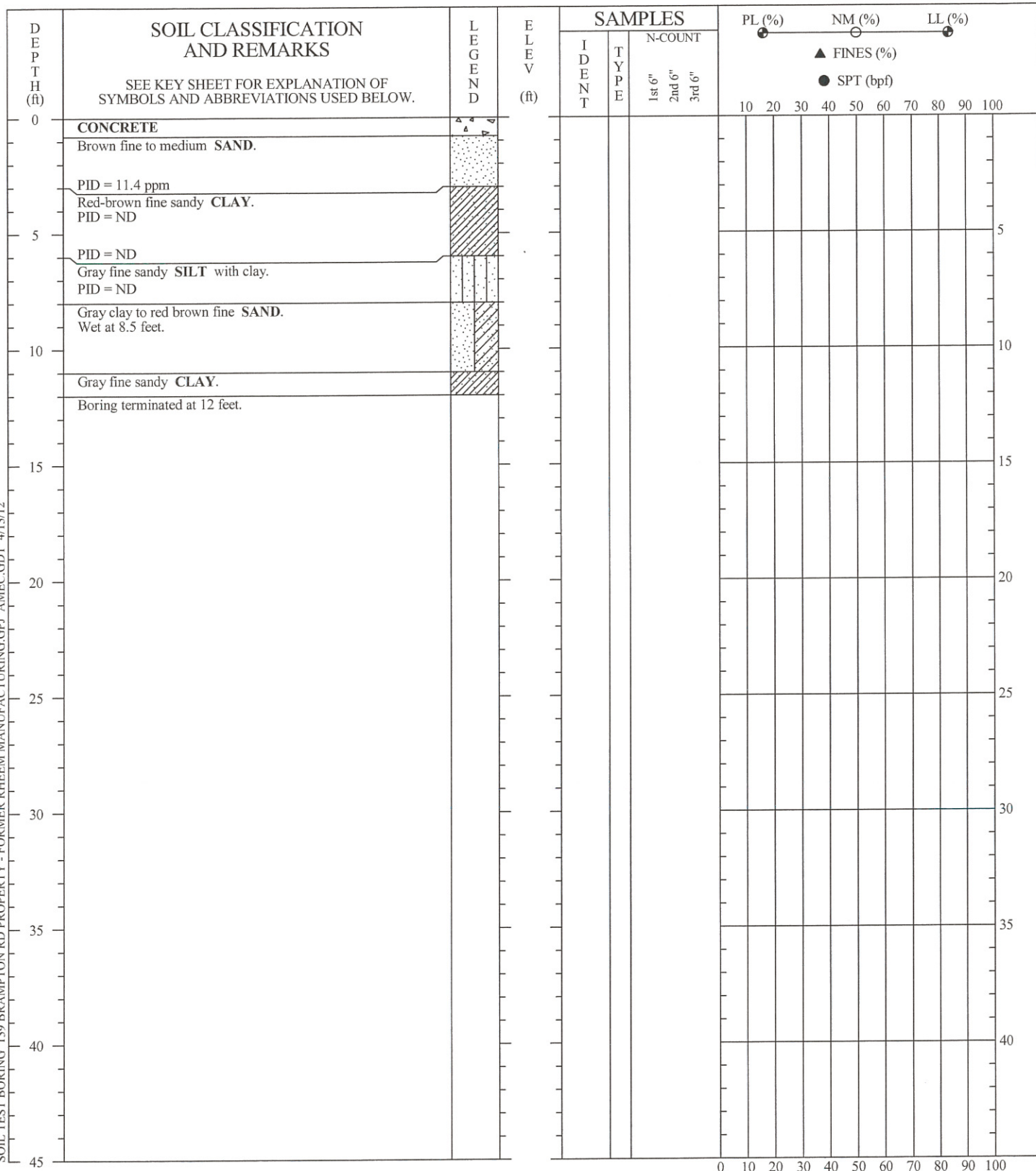
SOIL TEST BORING RECORD

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



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

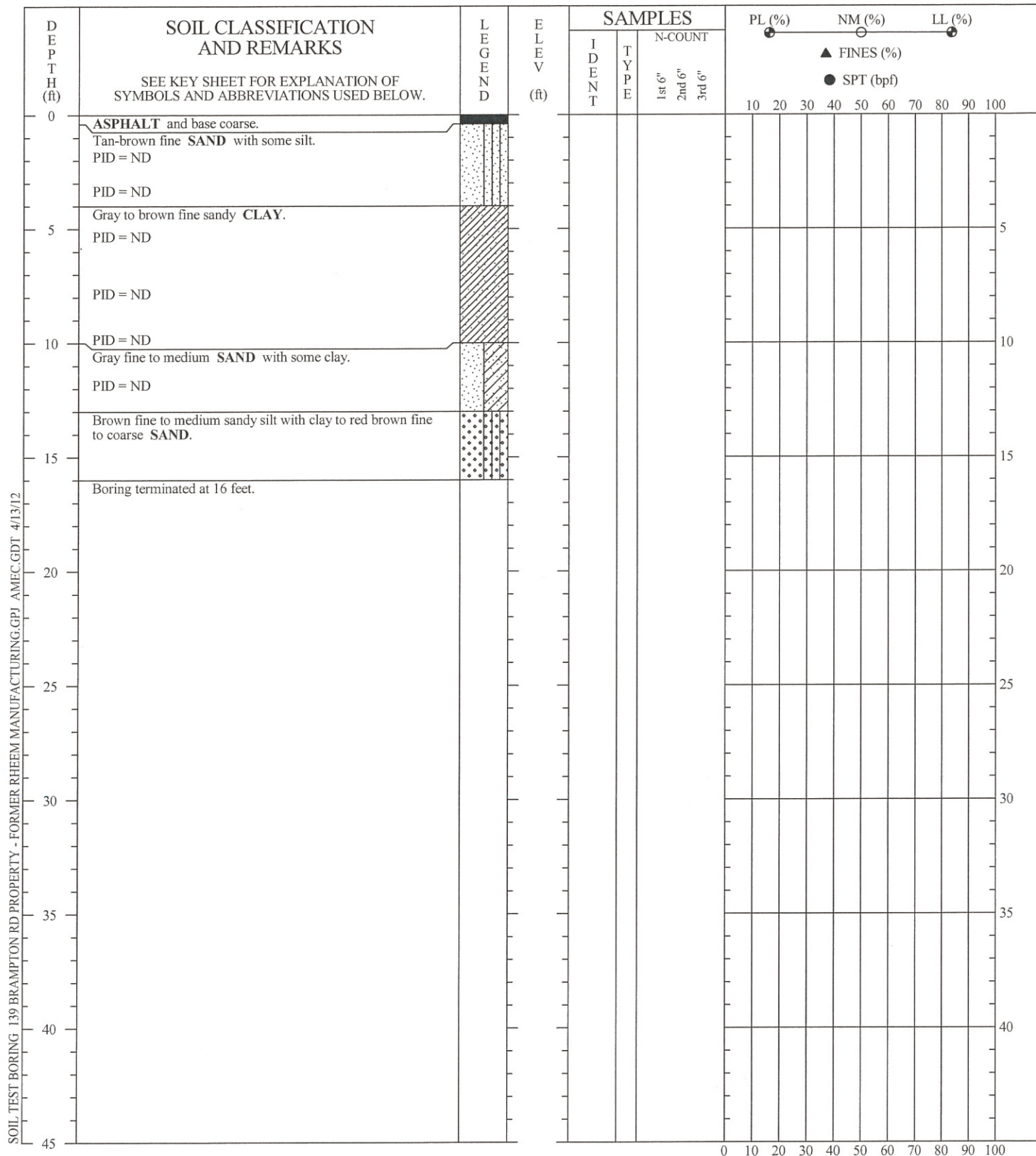
THIS RECORD IS A REASONABLE INTERPRETATION OF
 SUBSURFACE CONDITIONS AT THE EXPLORATION
 LOCATION. SUBSURFACE CONDITIONS AT OTHER
 LOCATIONS AND AT OTHER TIMES MAY DIFFER.
 INTERFACES BETWEEN STRATA ARE APPROXIMATE.
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

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

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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 BETWEEN STRATA ARE APPROXIMATE.
TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

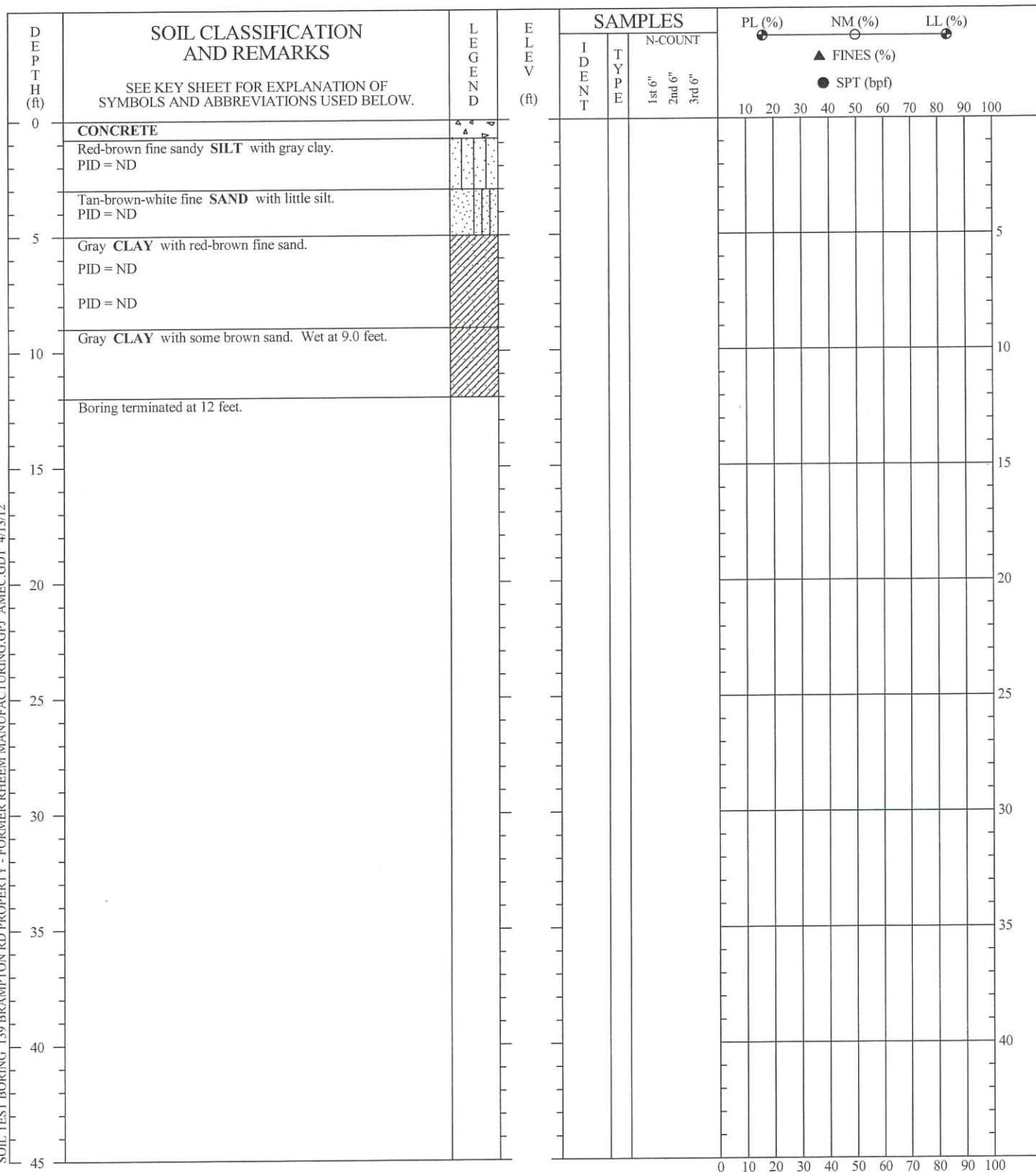
SOIL TEST BORING RECORD

BORING NO.: GP-06
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

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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.:
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

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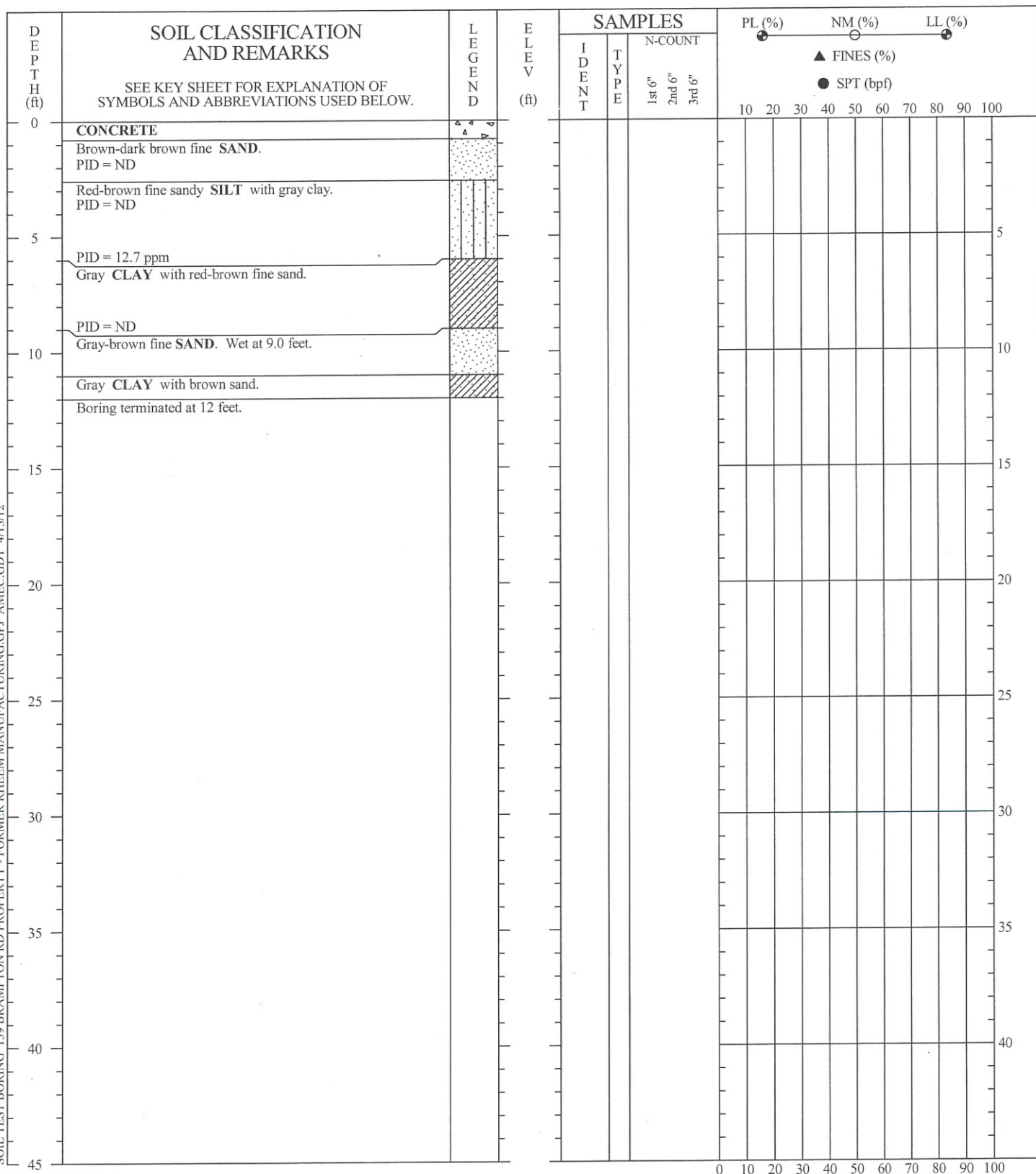
SOIL TEST BORING RECORD

BORING NO.: GP-07
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

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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

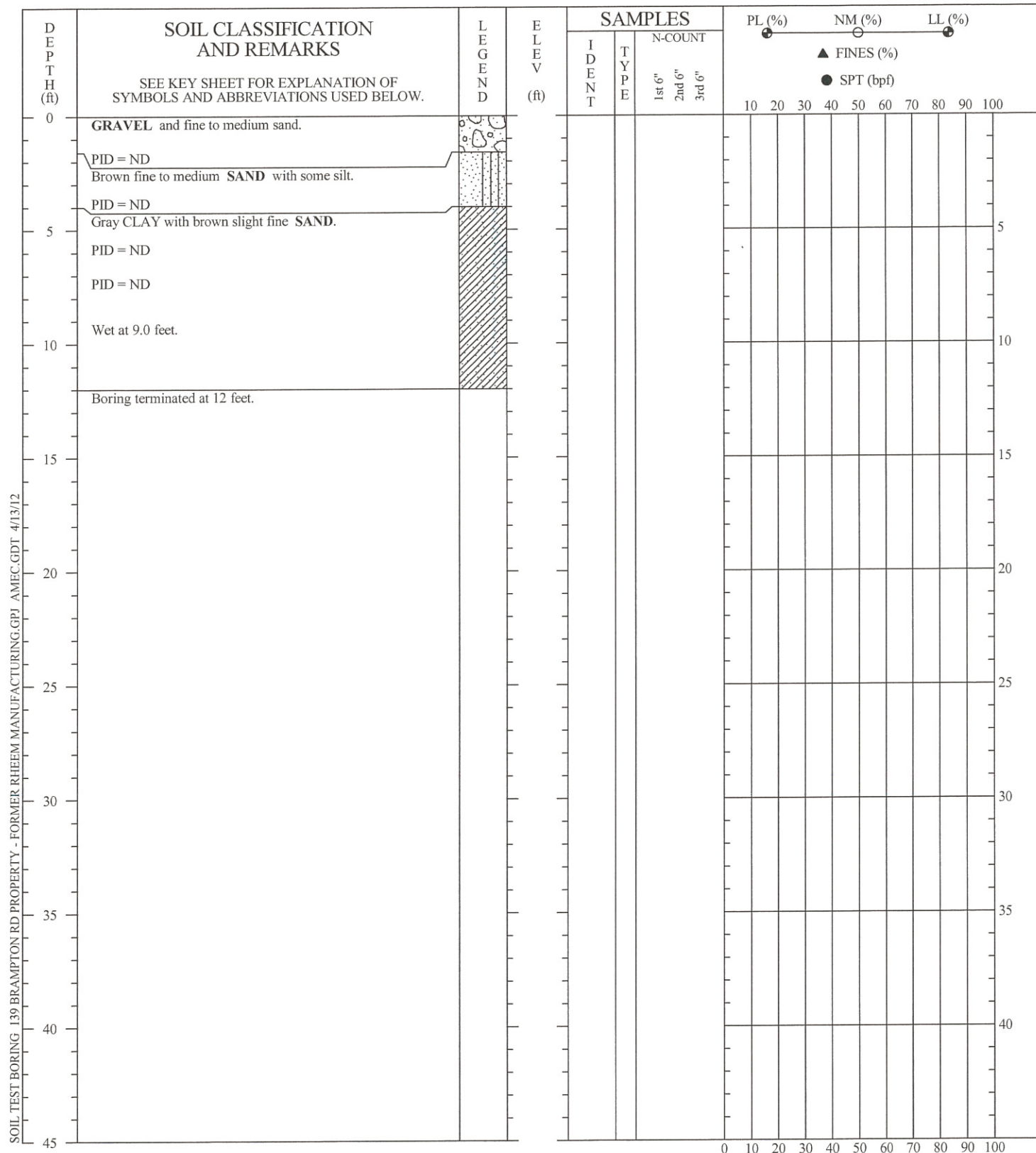
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SOIL TEST BORING RECORD

BORING NO.: GP-08
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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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
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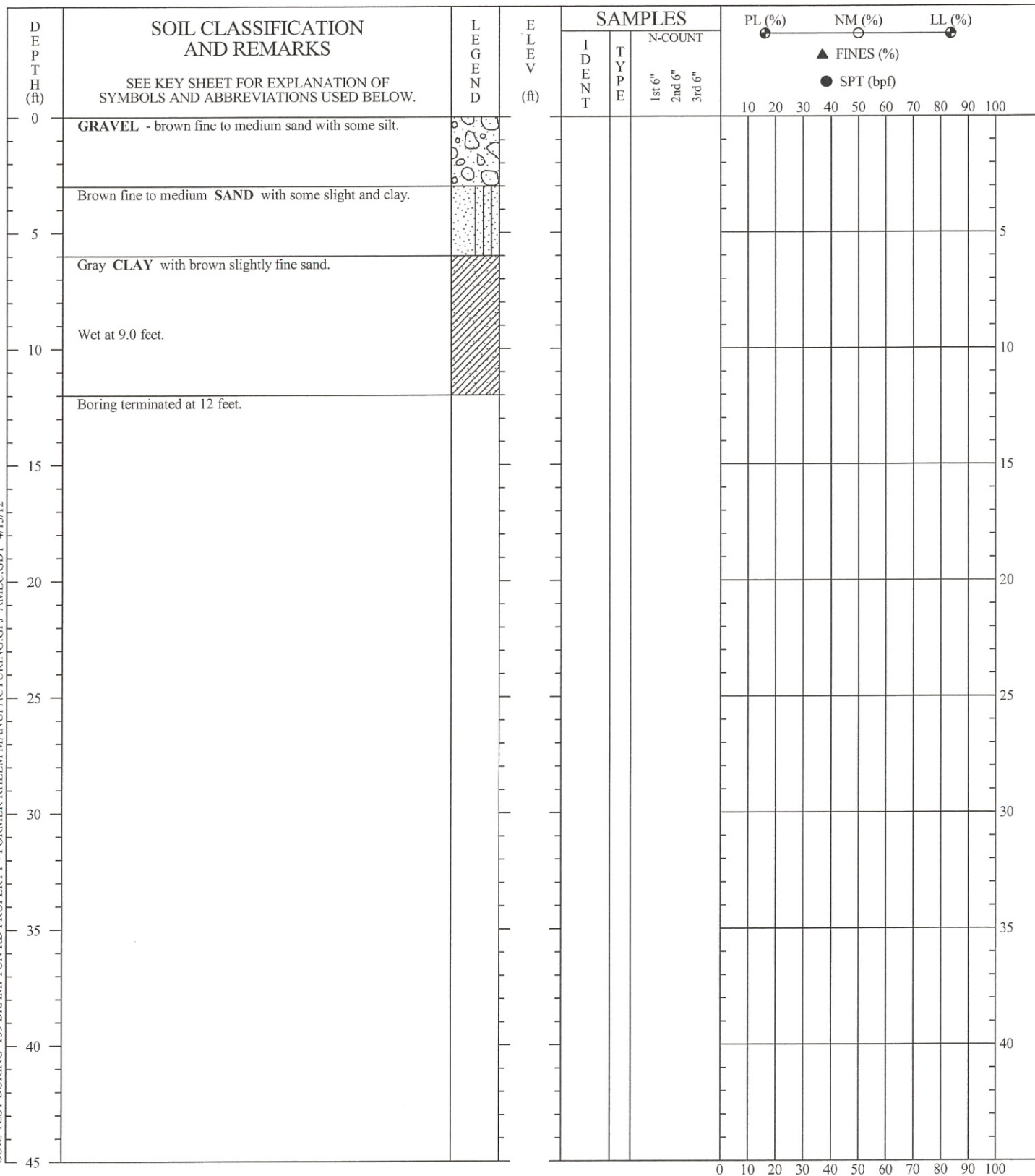
SOIL TEST BORING RECORD

BORING NO.: GP-09
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/13/12

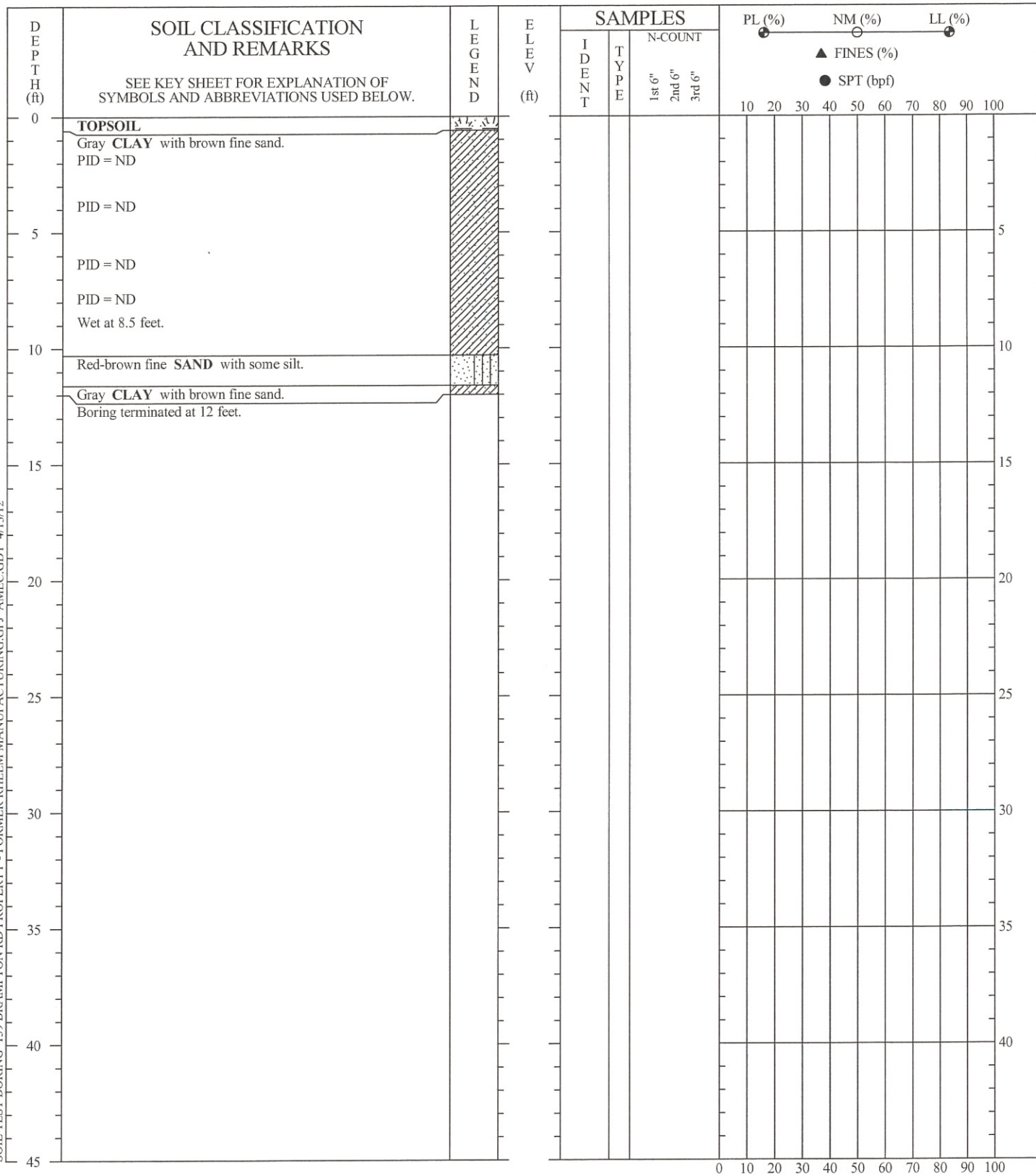


DRILLER: Atlas GeoSampling
 EQUIPMENT: Power Probe 9100
 METHOD: Direct Push
 HOLE DIA.: 2 inches
 REMARKS:
 PREPARED BY: S. Davenport CHECKED BY: C. Ferry

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 SUBSURFACE CONDITIONS AT THE EXPLORATION
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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
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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.:
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

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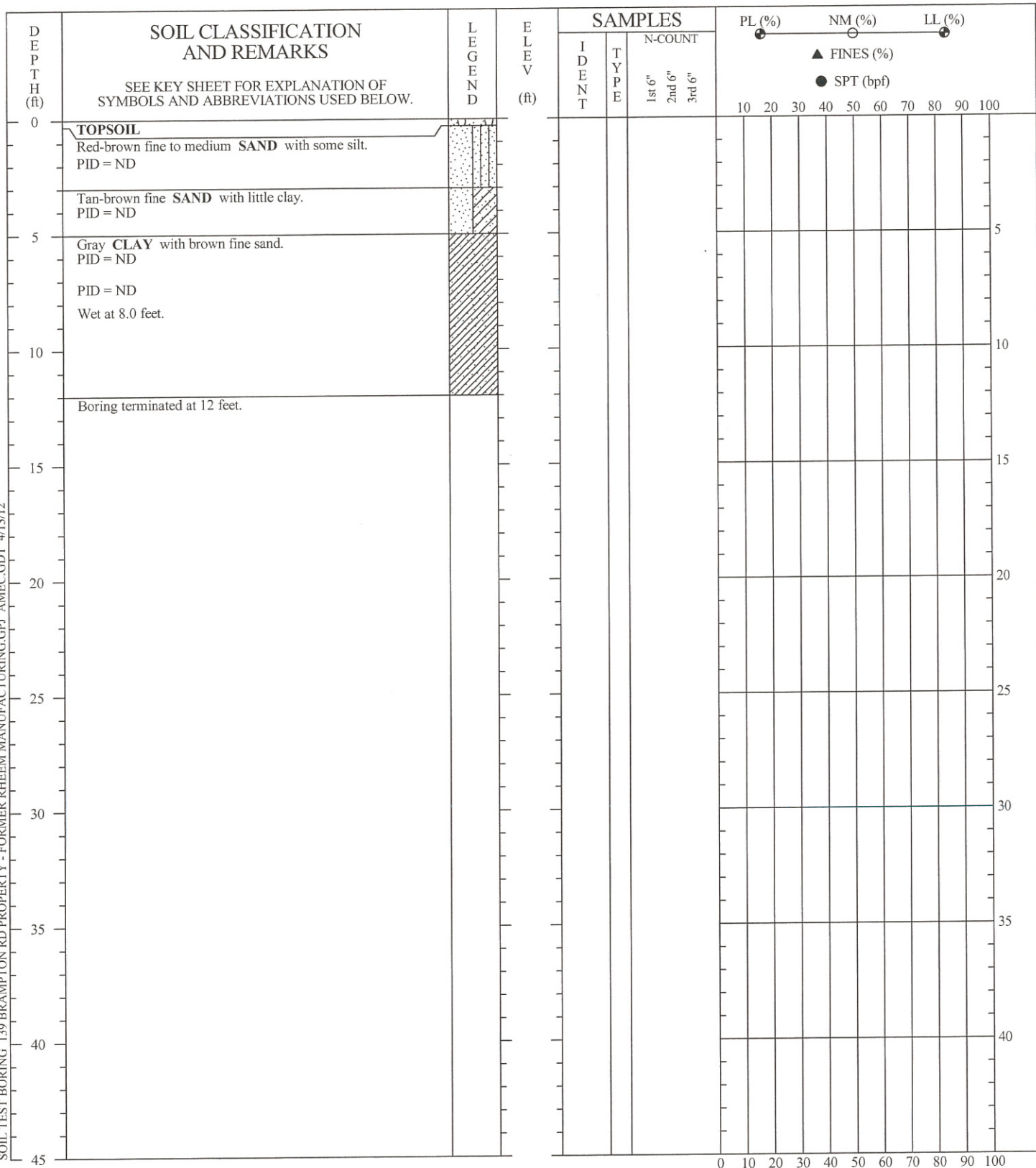
SOIL TEST BORING RECORD

BORING NO.: GP-11
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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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

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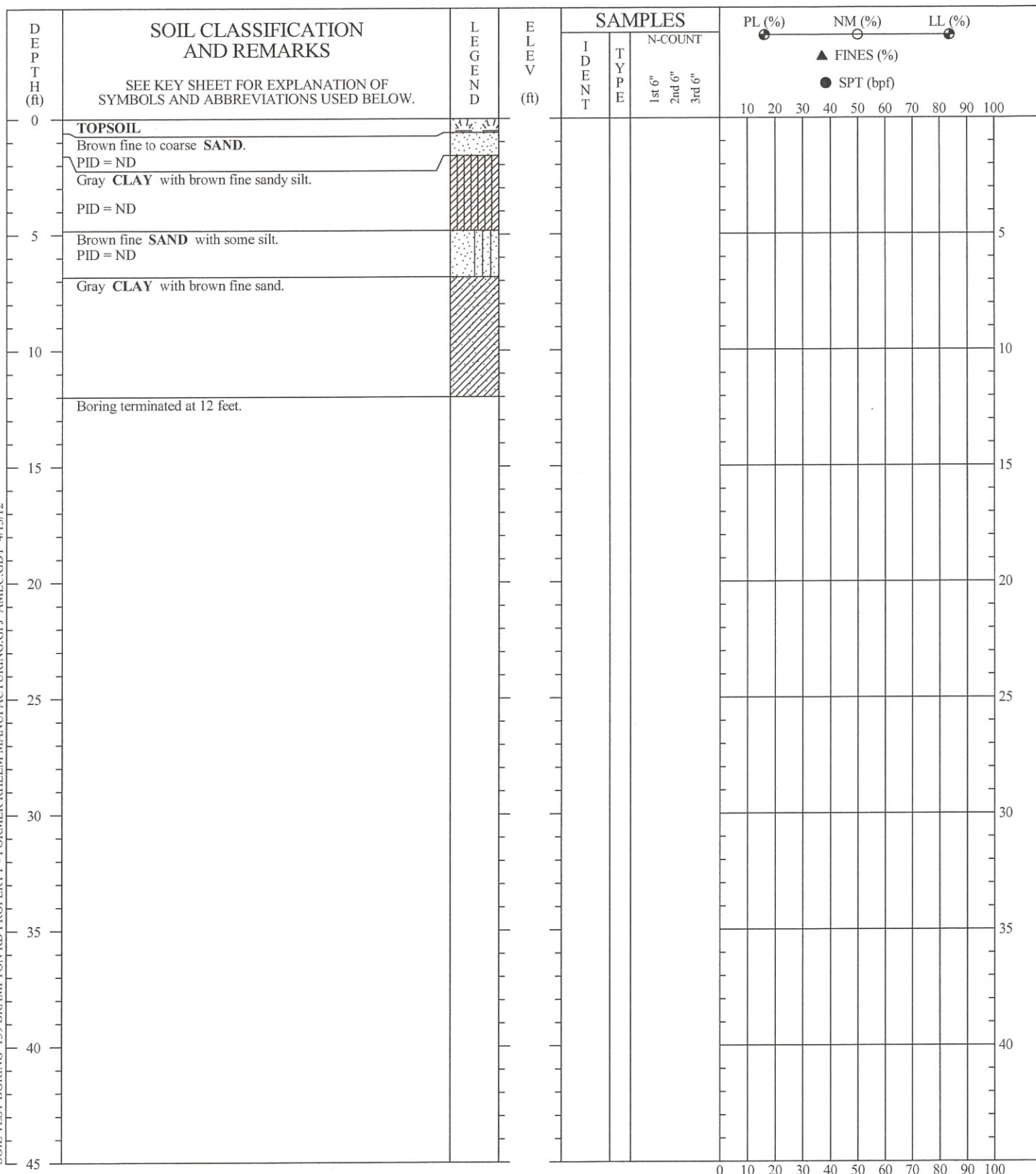
SOIL TEST BORING RECORD

BORING NO.: GP-12
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING GPI 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

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 SUBSURFACE CONDITIONS AT THE EXPLORATION
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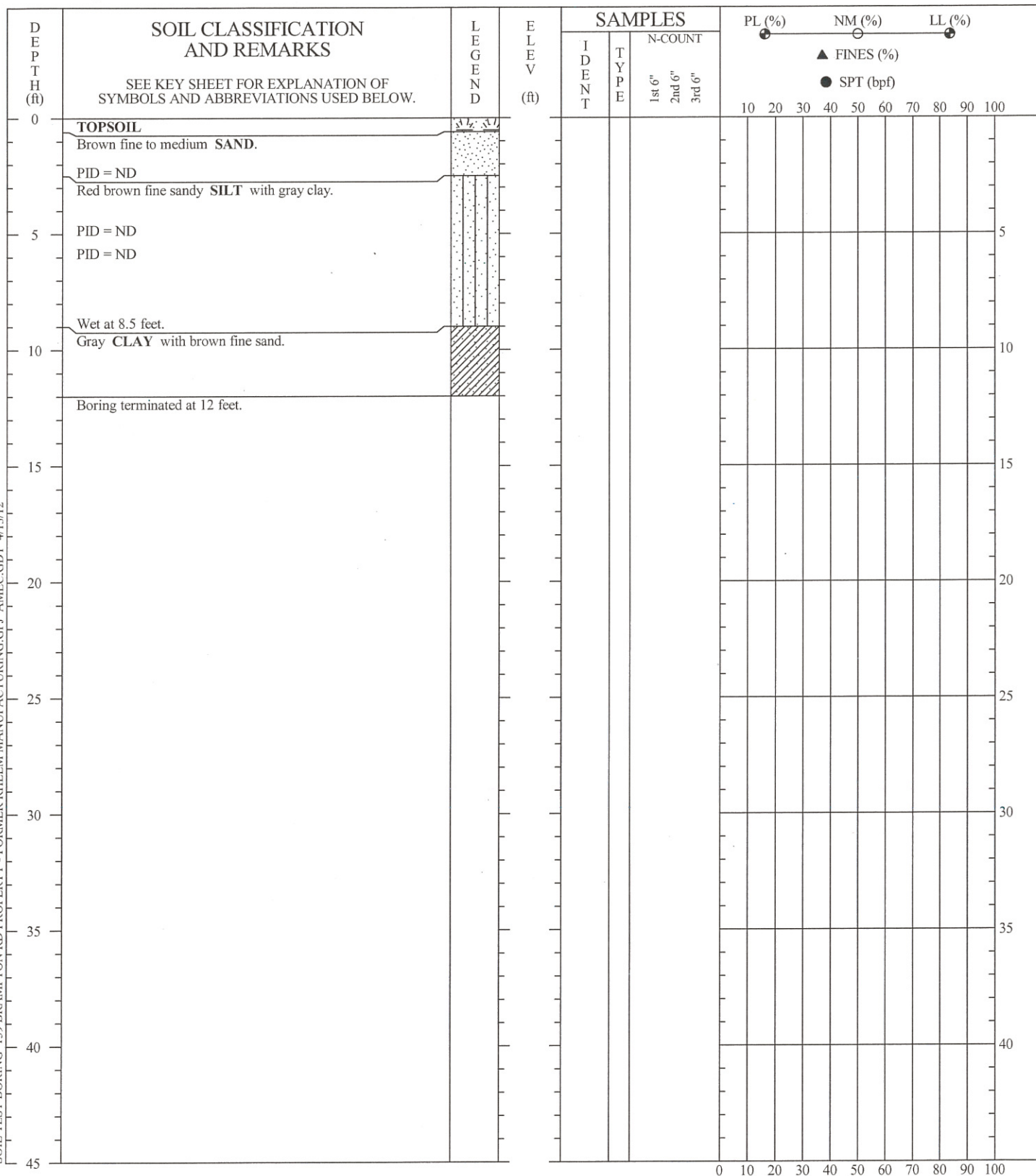
SOIL TEST BORING RECORD

BORING NO.: GP-13
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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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

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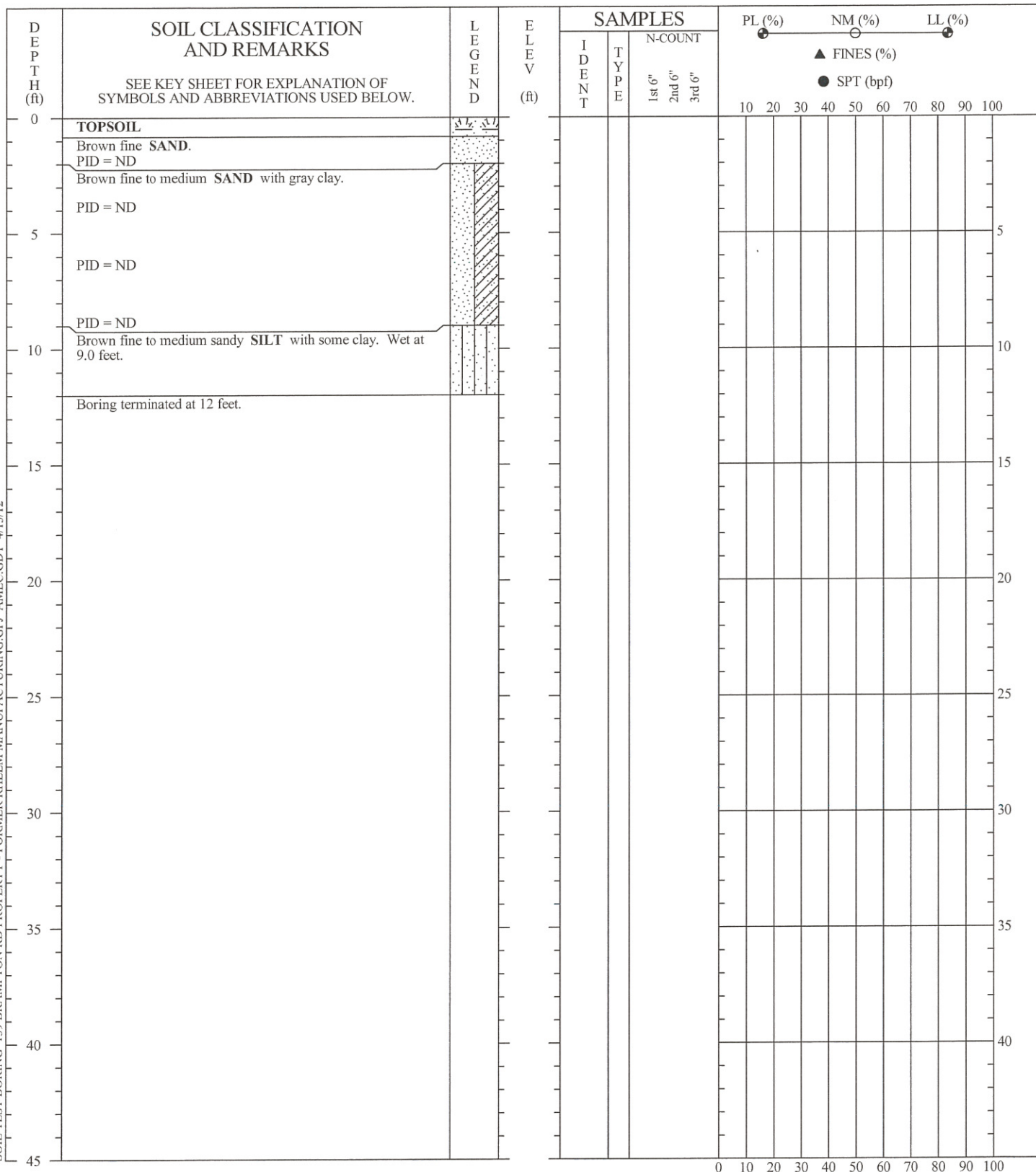
SOIL TEST BORING RECORD

BORING NO.: GP-14
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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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

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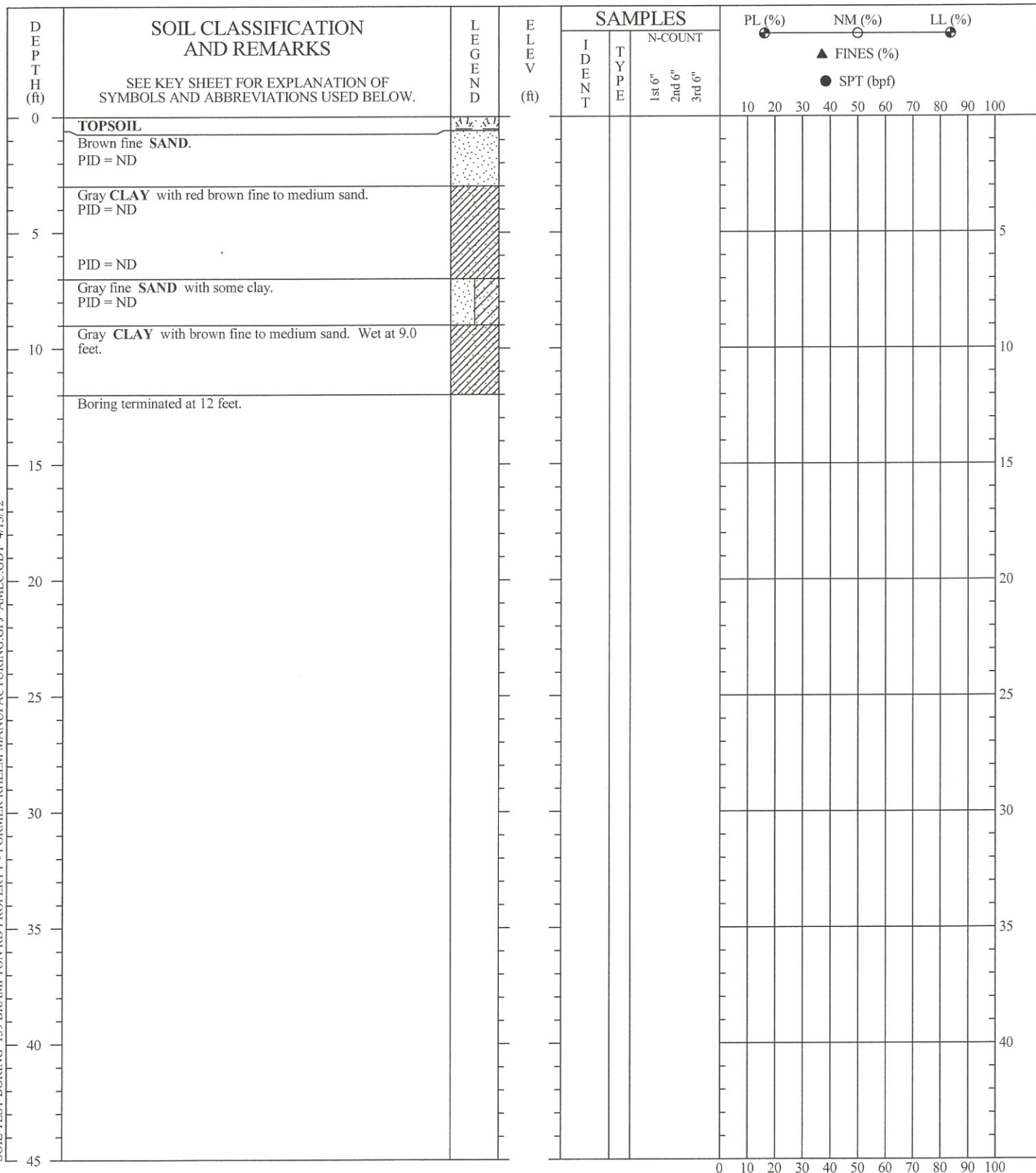
SOIL TEST BORING RECORD

BORING NO.: GP-15
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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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

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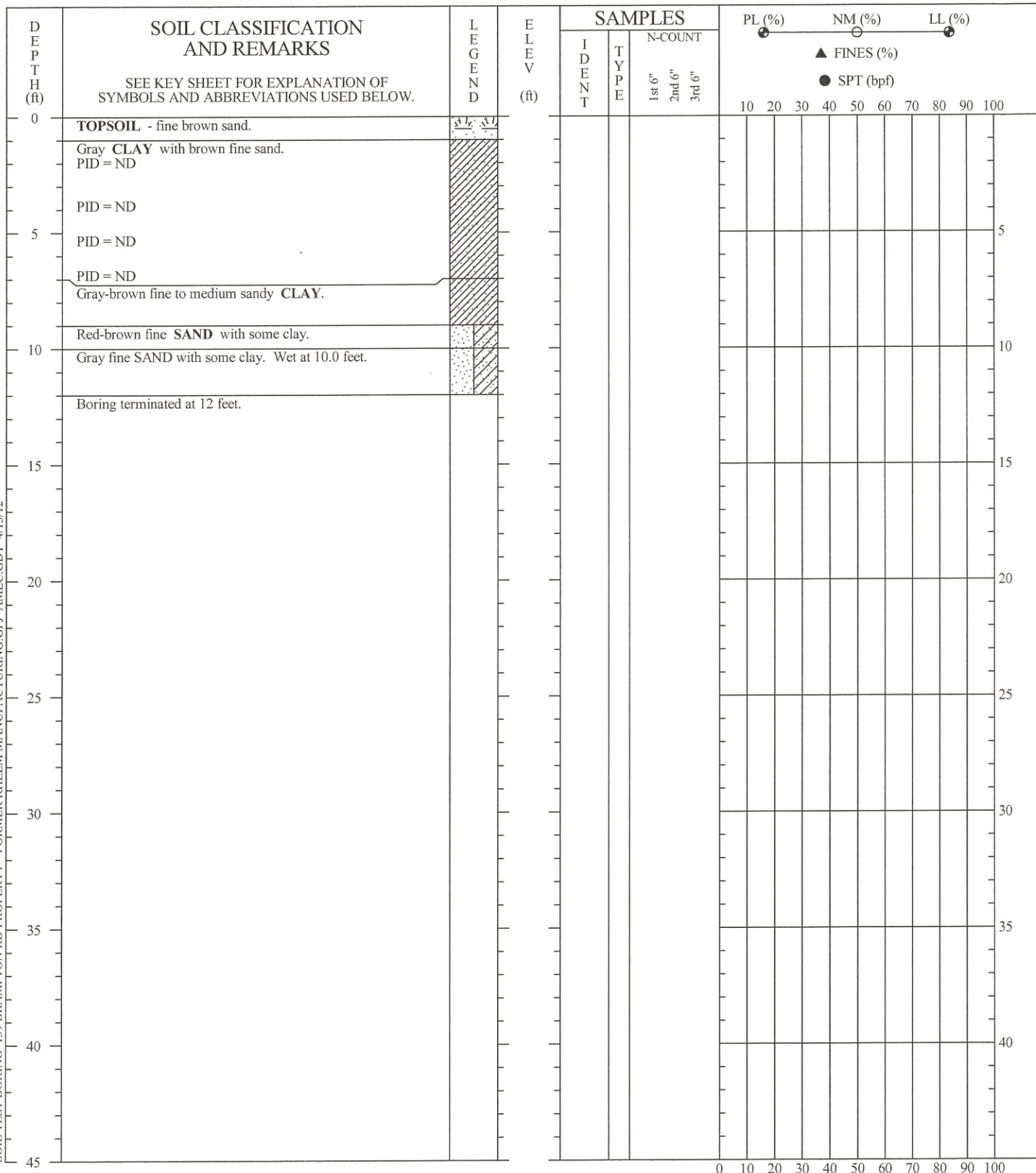
SOIL TEST BORING RECORD

BORING NO.: GP-16
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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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

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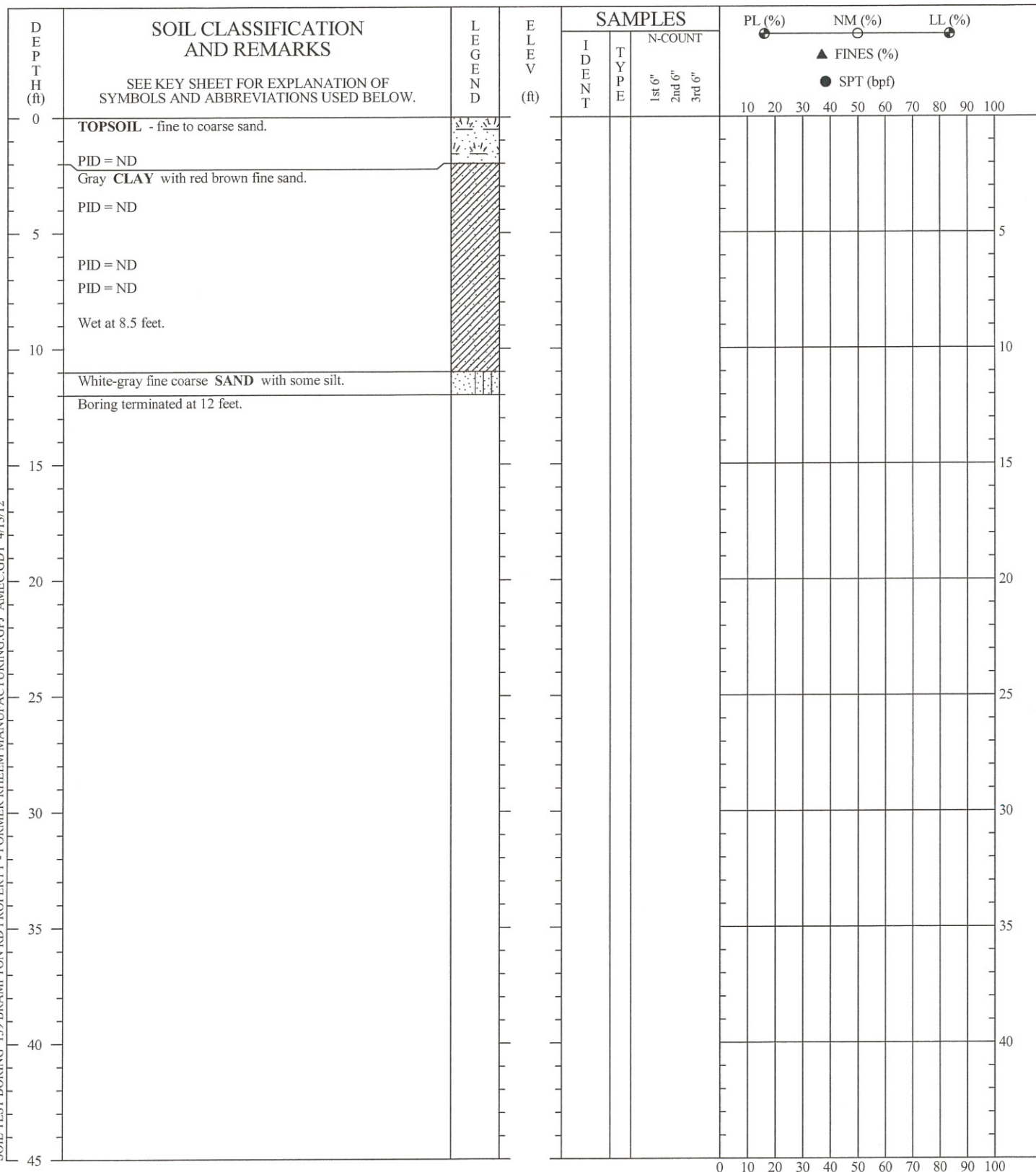
SOIL TEST BORING RECORD

BORING NO.: GP-17
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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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

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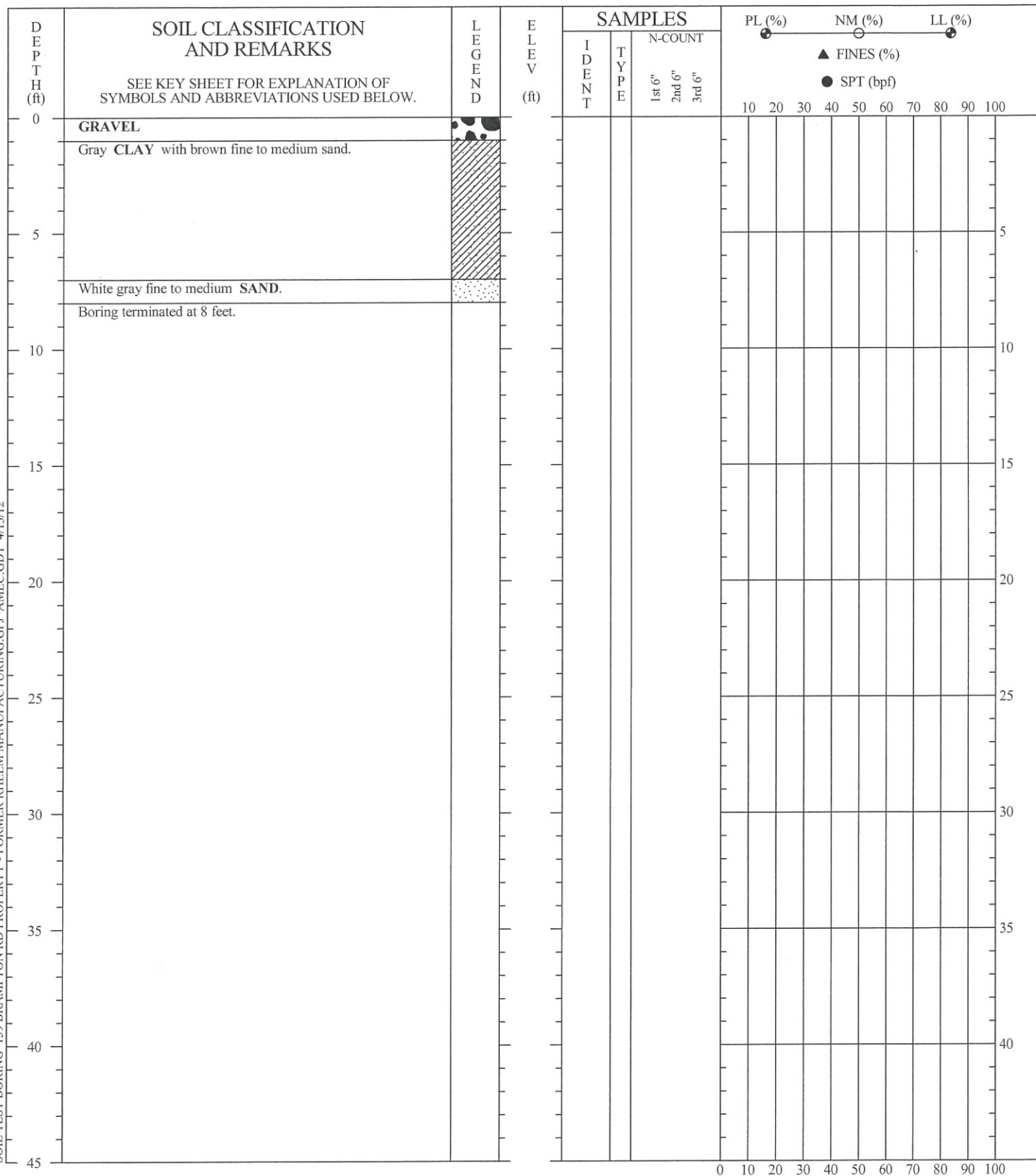
SOIL TEST BORING RECORD

BORING NO.: GP-18
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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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

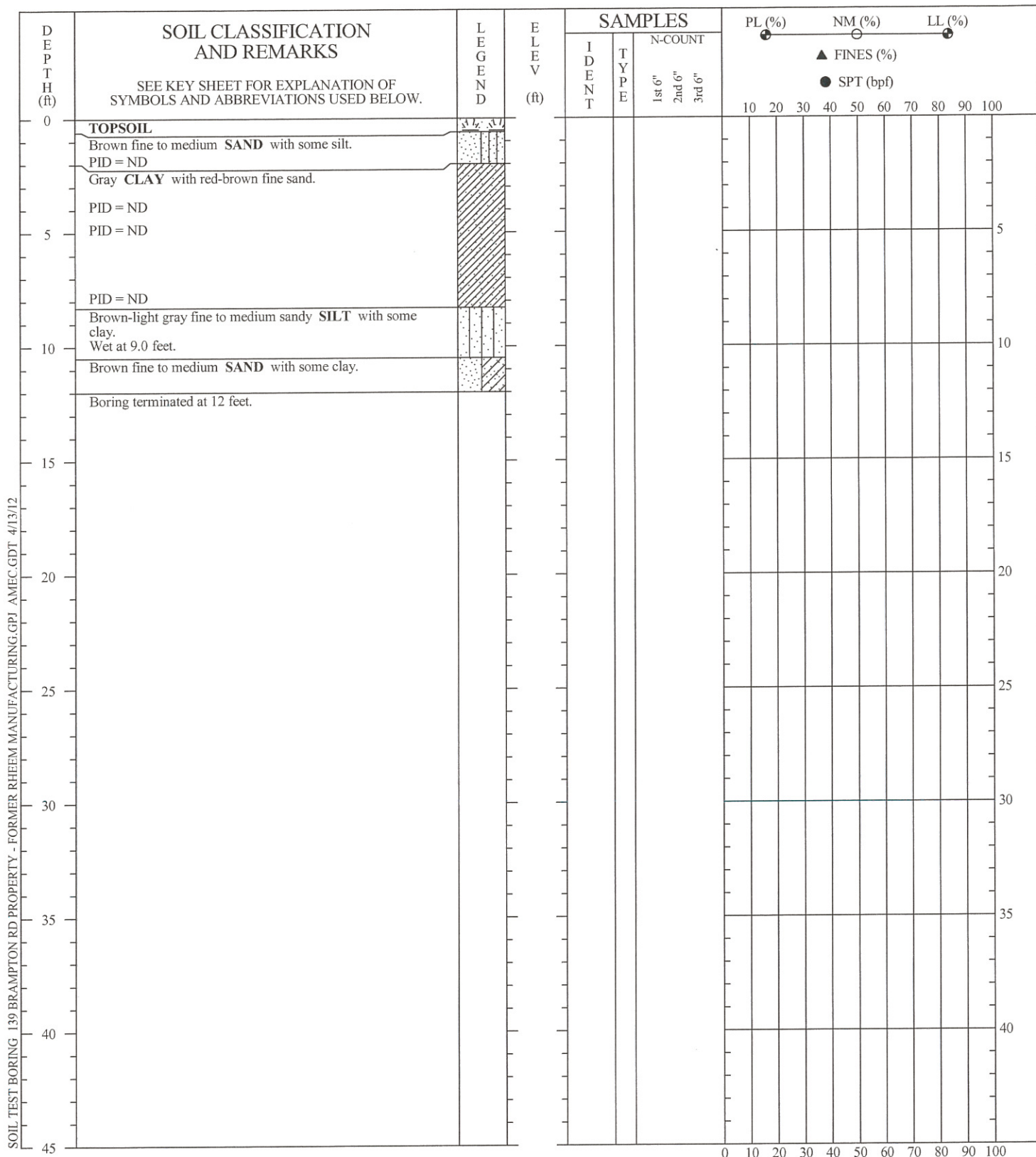
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SOIL TEST BORING RECORD

BORING NO.: GP-19
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220

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DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

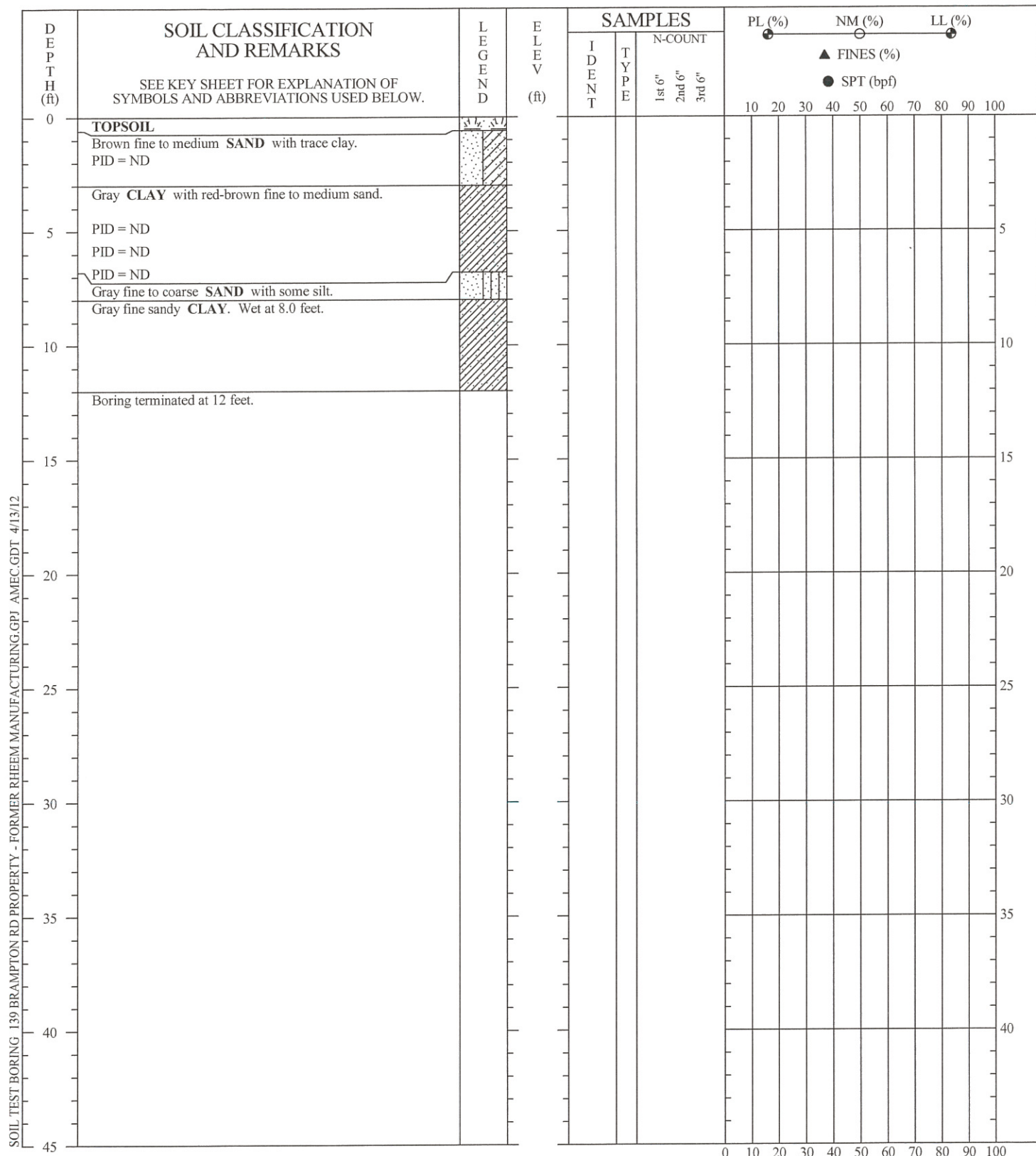
THIS RECORD IS A REASONABLE INTERPRETATION OF
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SOIL TEST BORING RECORD

BORING NO.: GP-21
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

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DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

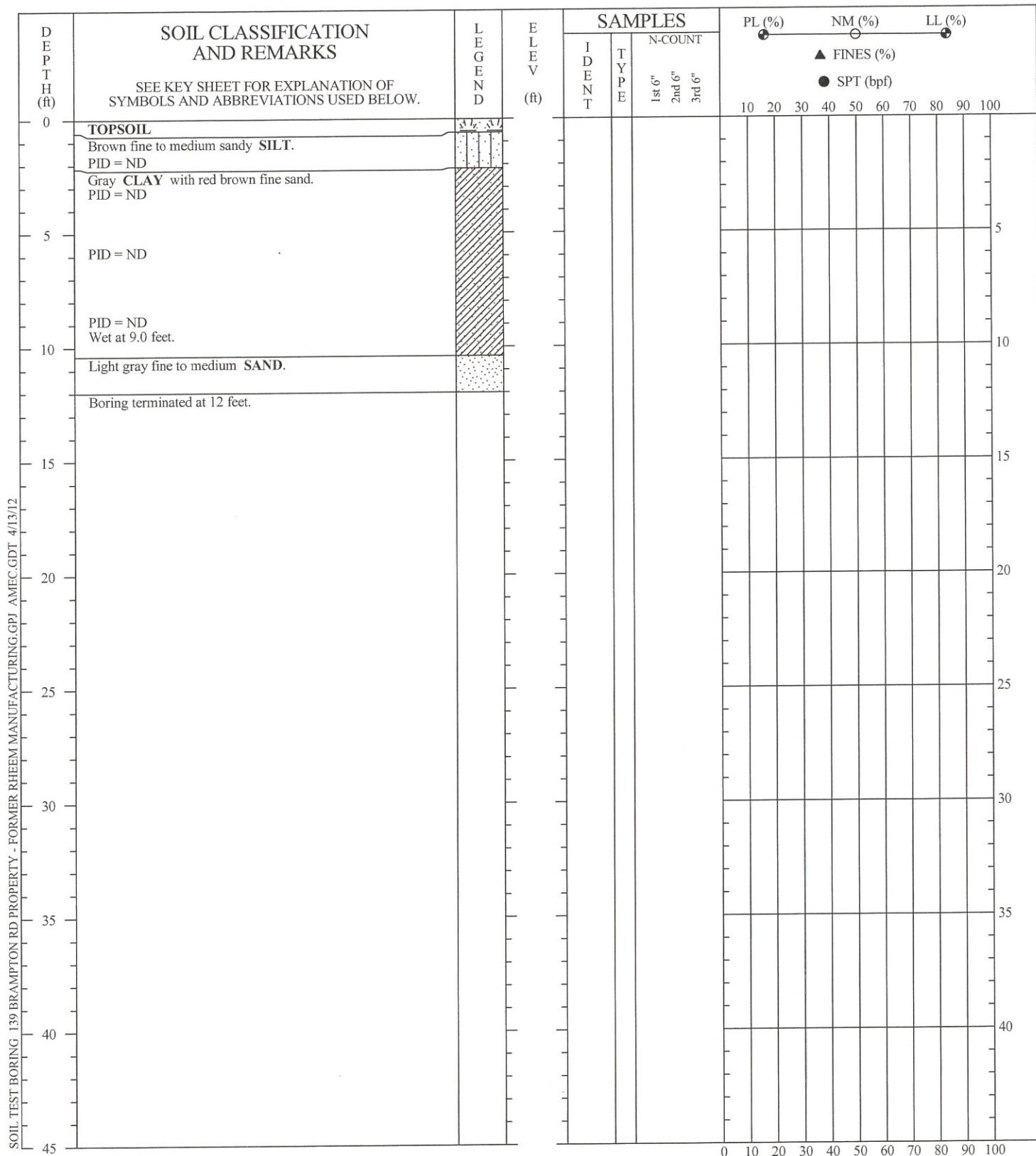
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SUBSURFACE CONDITIONS AT THE EXPLORATION
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SOIL TEST BORING RECORD

BORING NO.: GP-22
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

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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

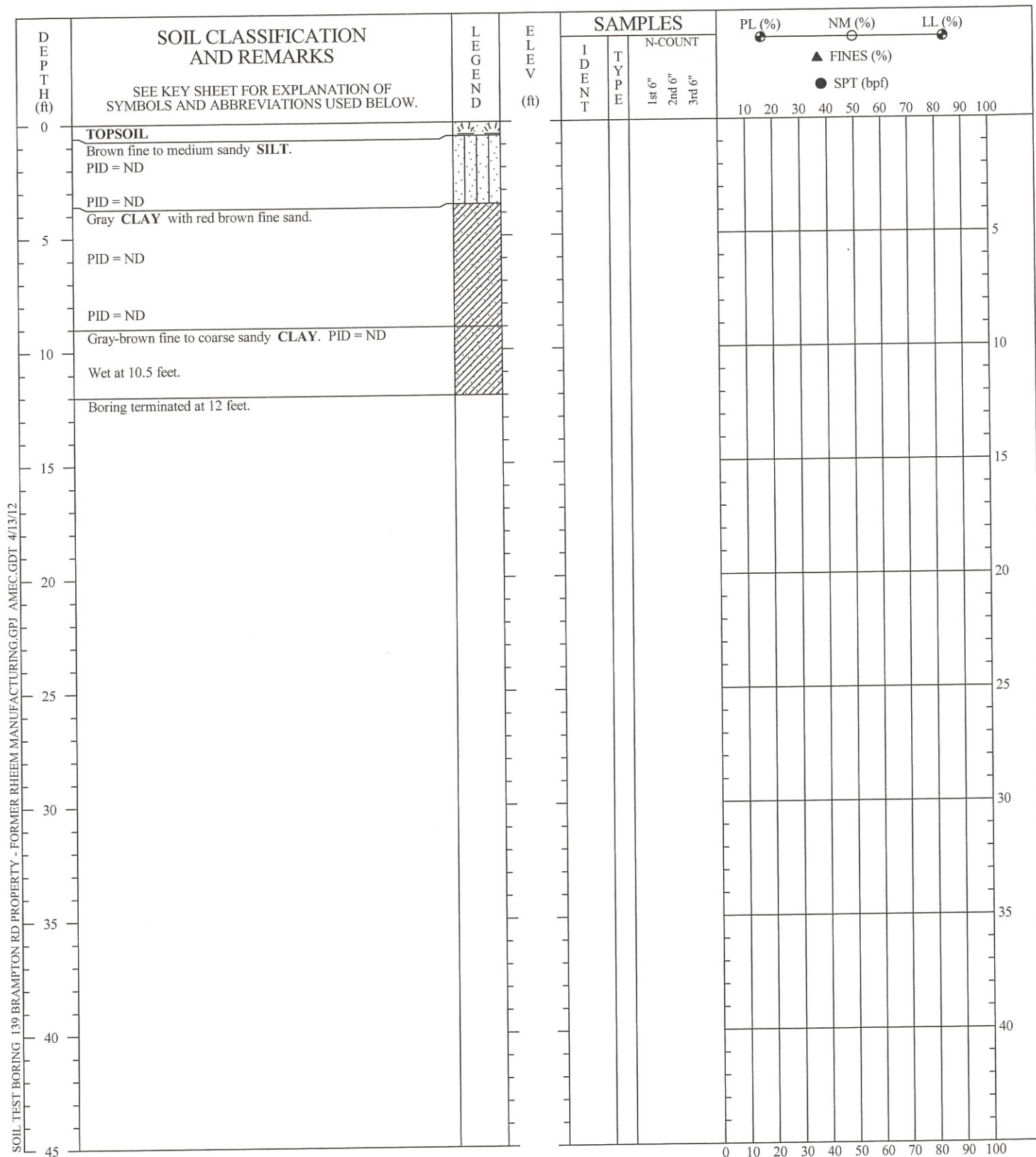
SOIL TEST BORING RECORD

BORING NO.: GP-24
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

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amec

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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

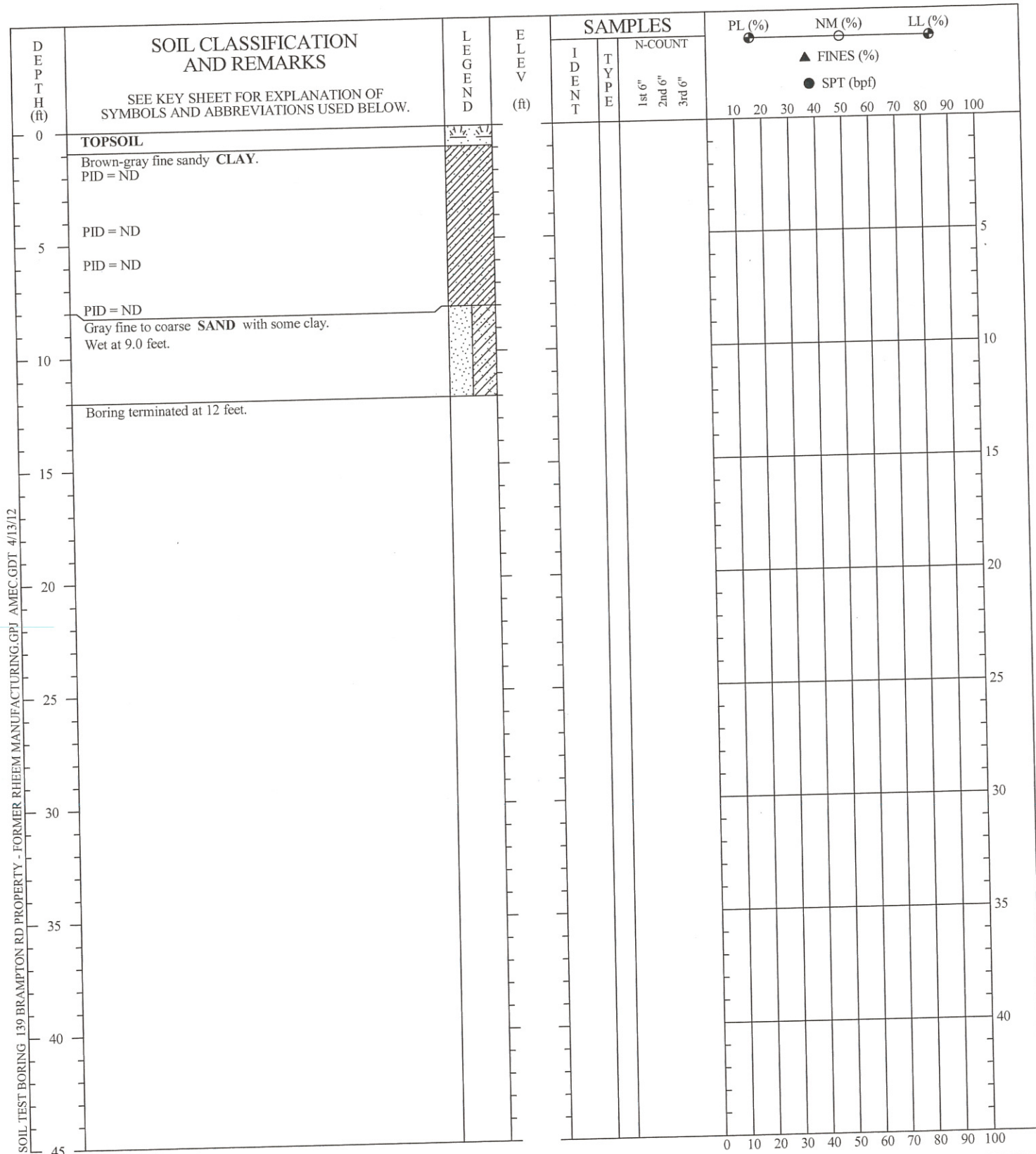
SOIL TEST BORING RECORD

BORING NO.: GP-25
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

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amec



DRILLER: Atlas GeoSampling
EQUIPMENT: Power Probe 9100
METHOD: Direct Push
HOLE DIA.: 2 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

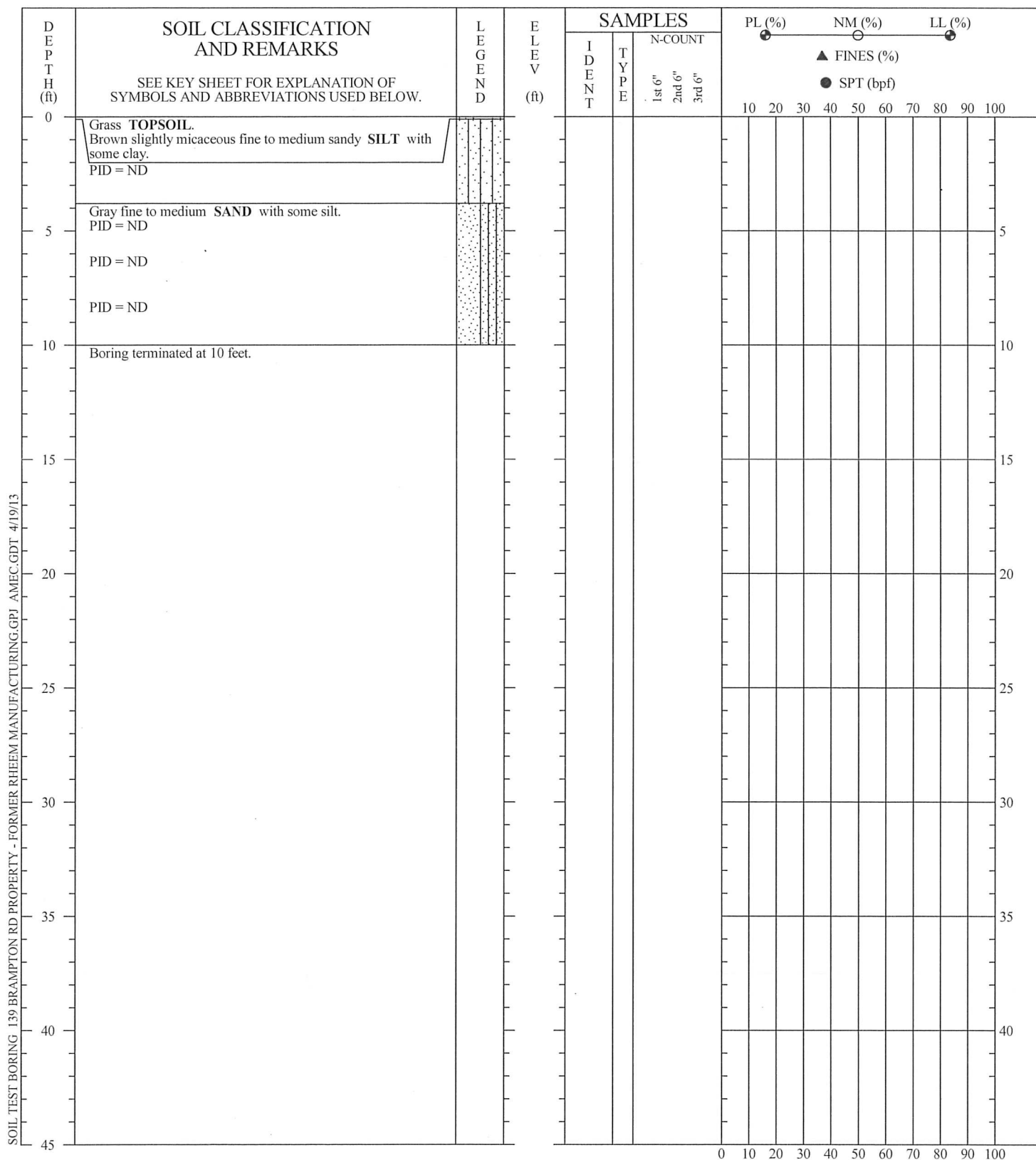
THIS RECORD IS A REASONABLE INTERPRETATION OF
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SOIL TEST BORING RECORD

BORING NO.: GP-26
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 7, 2012
PROJECT NO.: 6121-09-0220

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amec



DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

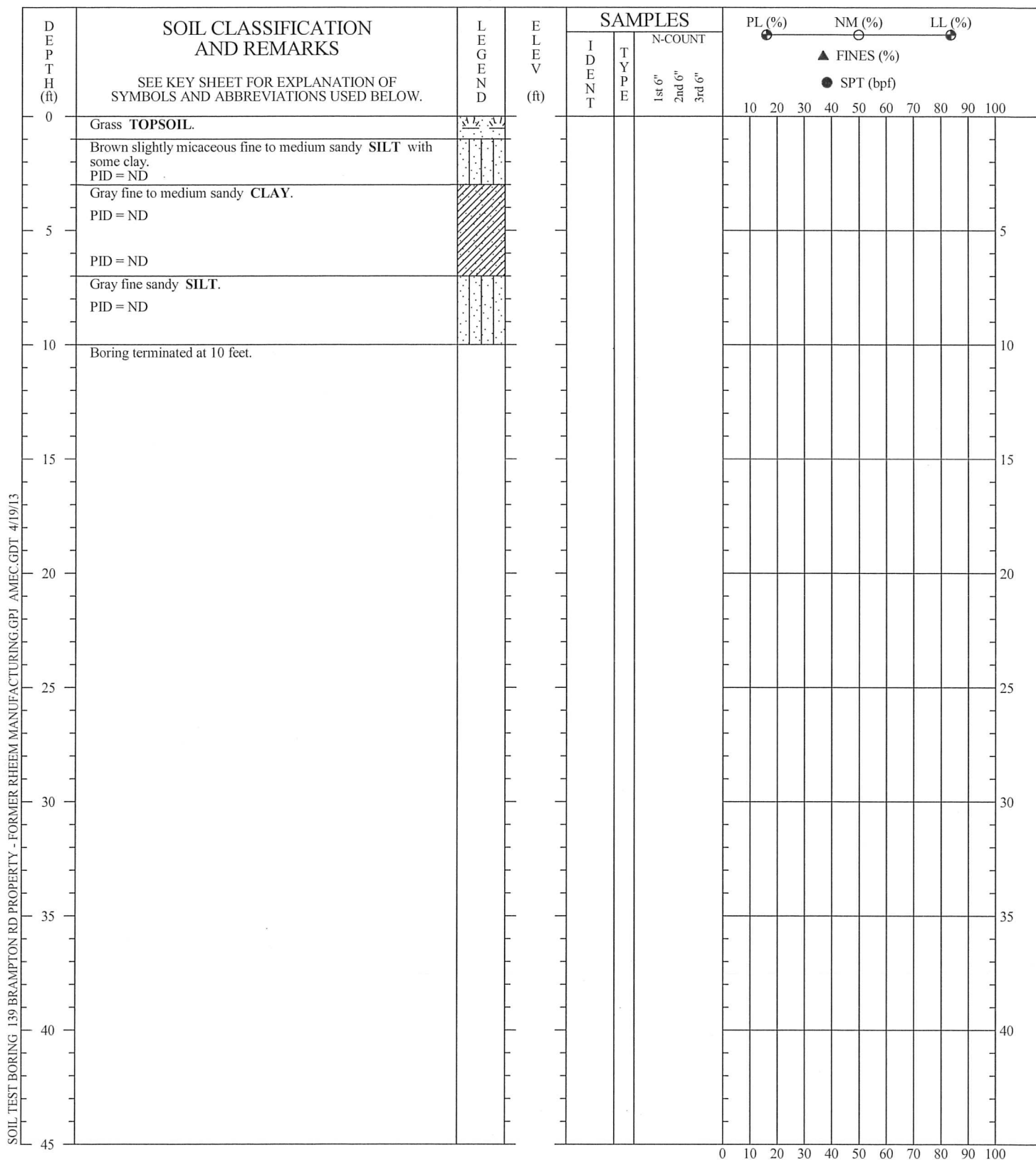
SOIL TEST BORING RECORD

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

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TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.





DRILLER: Geo Lab
 EQUIPMENT: Geoprobe 6610
 METHOD: HSA
 HOLE DIA.: 4 inches
 REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

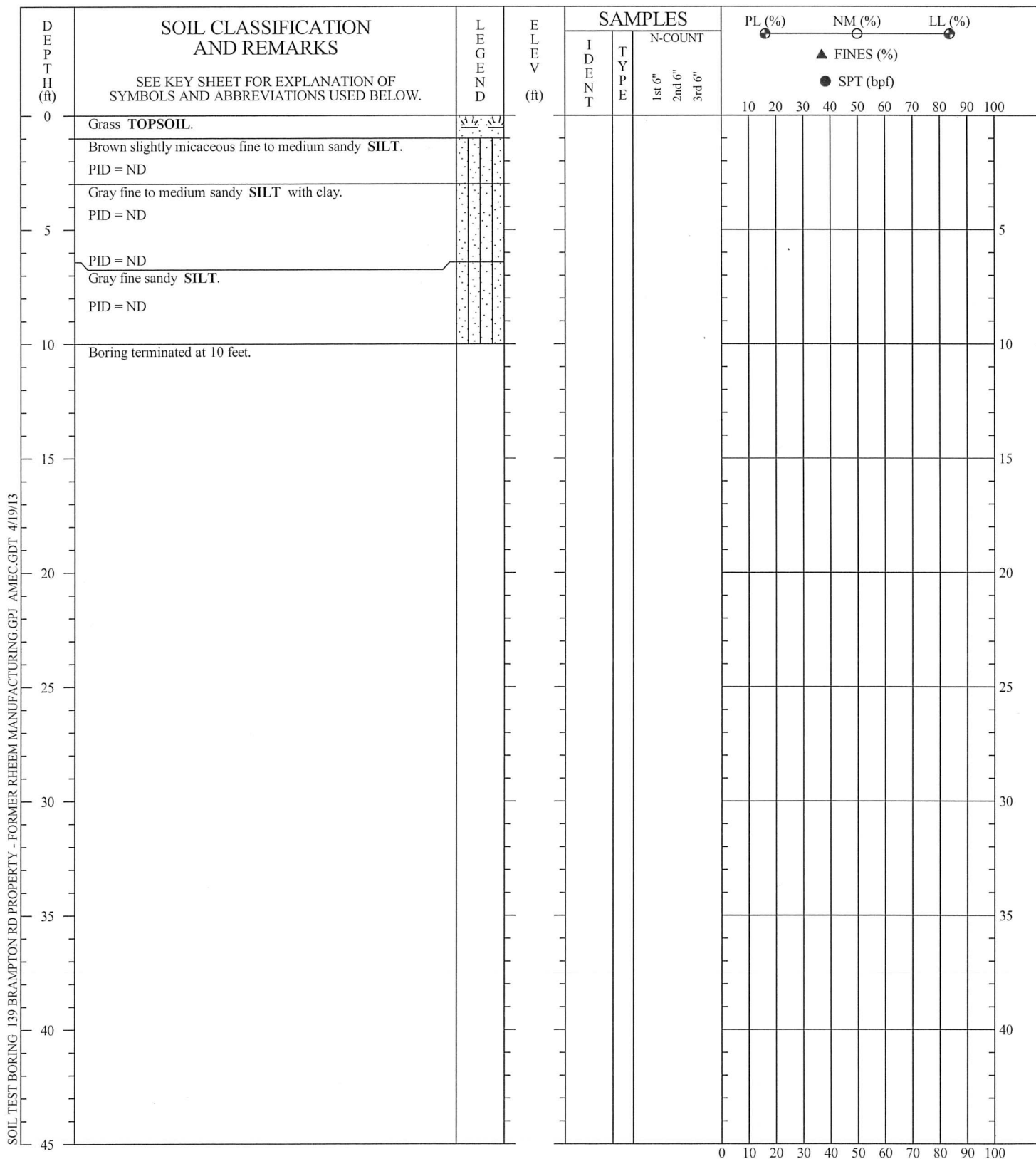
SOIL TEST BORING RECORD

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

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DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

SOIL TEST BORING RECORD

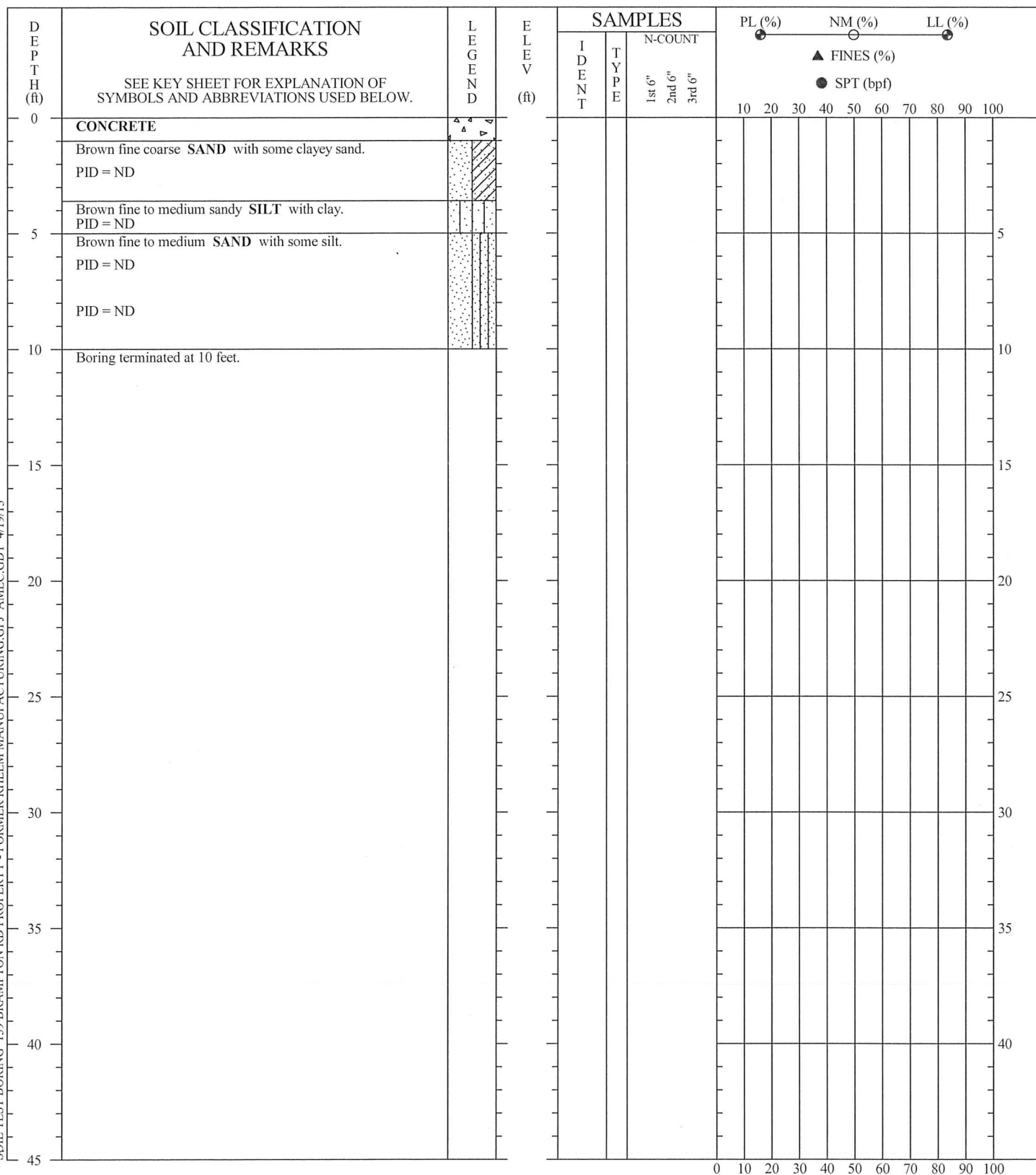
BORING NO.: GP-29
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220

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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

SOIL TEST BORING RECORD

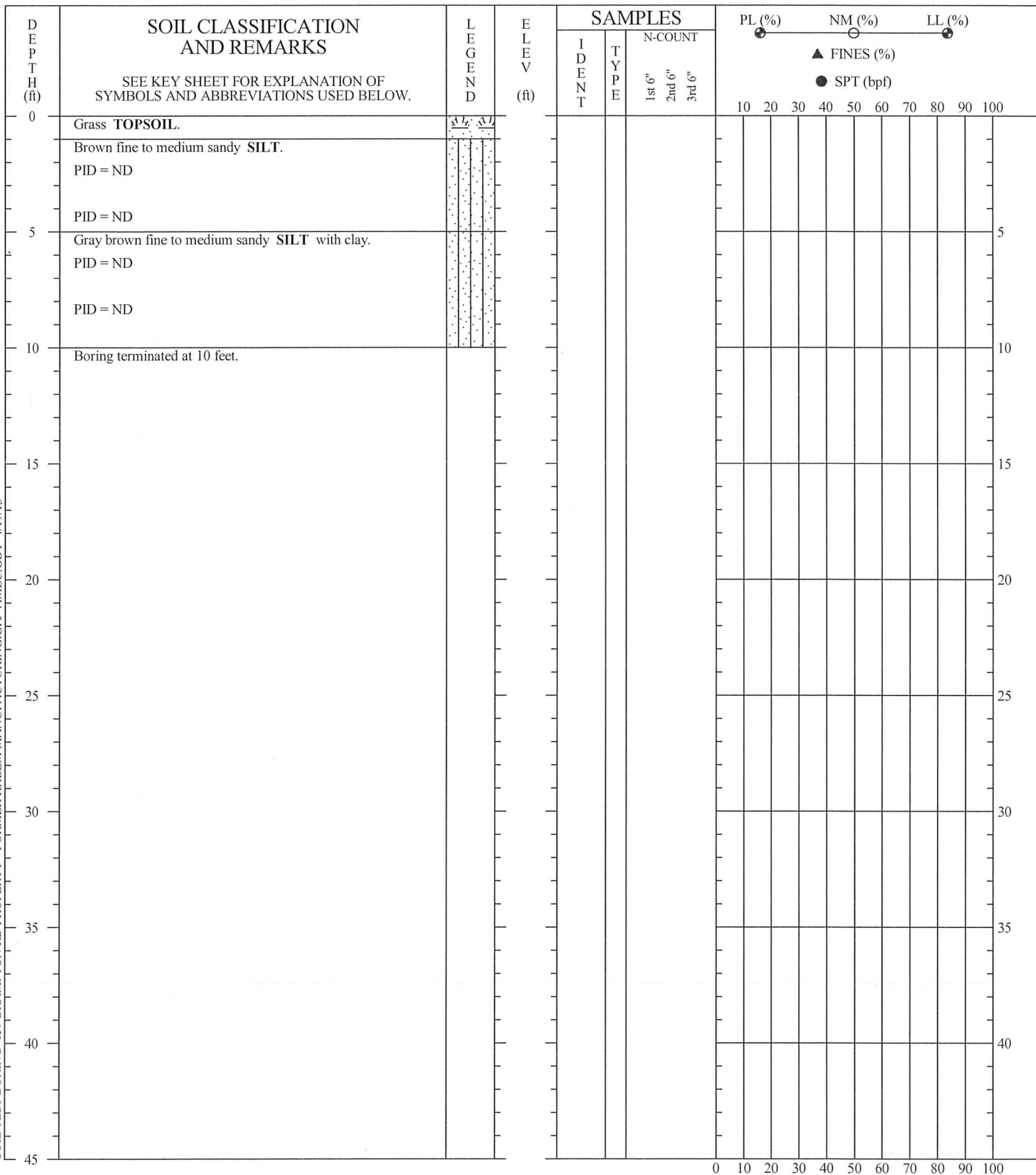
BORING NO.: GP-30
PROJECT: 139 Brampton Road Property
LOCATION: Savannah, GA
DRILLED: March 15, 2017
PROJECT NO.: 6121-09-0220

PAGE 1 OF 1

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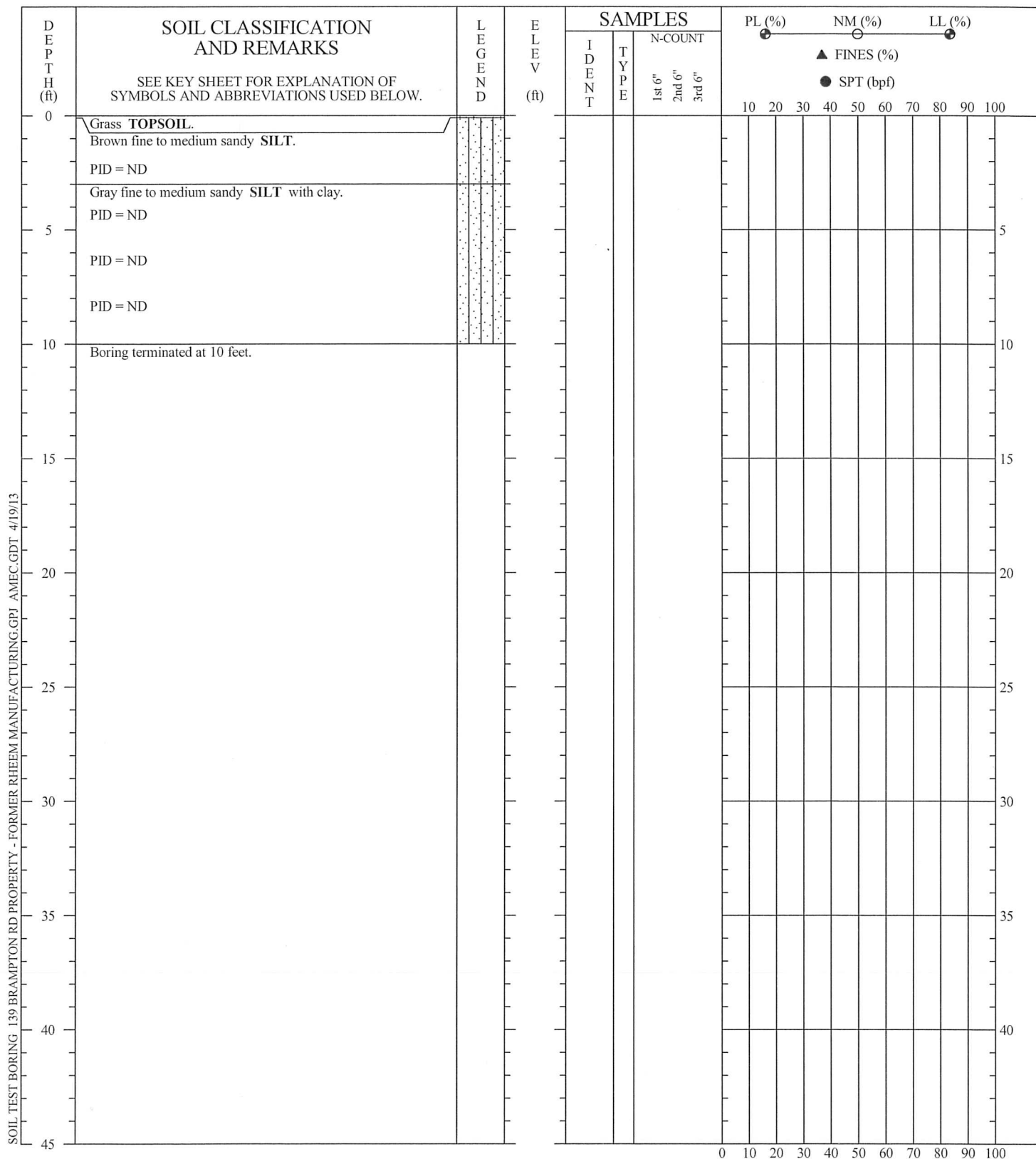
SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/19/13



DRILLER: Geo Lab
 EQUIPMENT: Geoprobe 6610
 METHOD: HSA
 HOLE DIA.: 4 inches
 REMARKS:
 PREPARED BY: S. Davenport CHECKED BY: C. Ferry

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
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THIS RECORD IS A REASONABLE INTERPRETATION OF
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DRILLER: Geo Lab
 EQUIPMENT: Geoprobe 6610
 METHOD: HSA
 HOLE DIA.: 4 inches
 REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

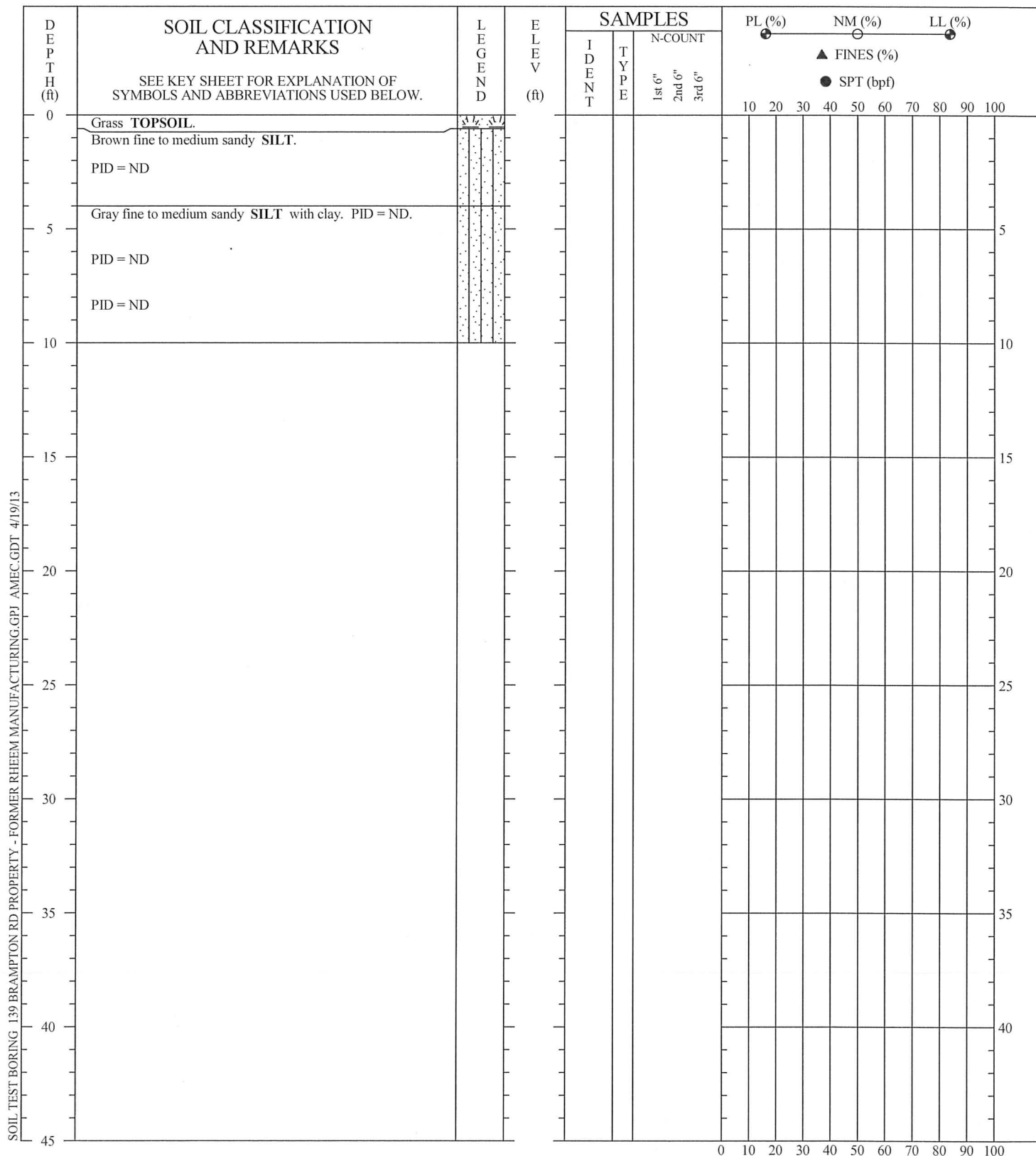
SOIL TEST BORING RECORD

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

THIS RECORD IS A REASONABLE INTERPRETATION OF
 SUBSURFACE CONDITIONS AT THE EXPLORATION
 LOCATION. SUBSURFACE CONDITIONS AT OTHER
 LOCATIONS AND AT OTHER TIMES MAY DIFFER.
 INTERFACES BETWEEN STRATA ARE APPROXIMATE.
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.





DRILLER: Geo Lab
 EQUIPMENT: Geoprobe 6610
 METHOD: HSA
 HOLE DIA.: 4 inches
 REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

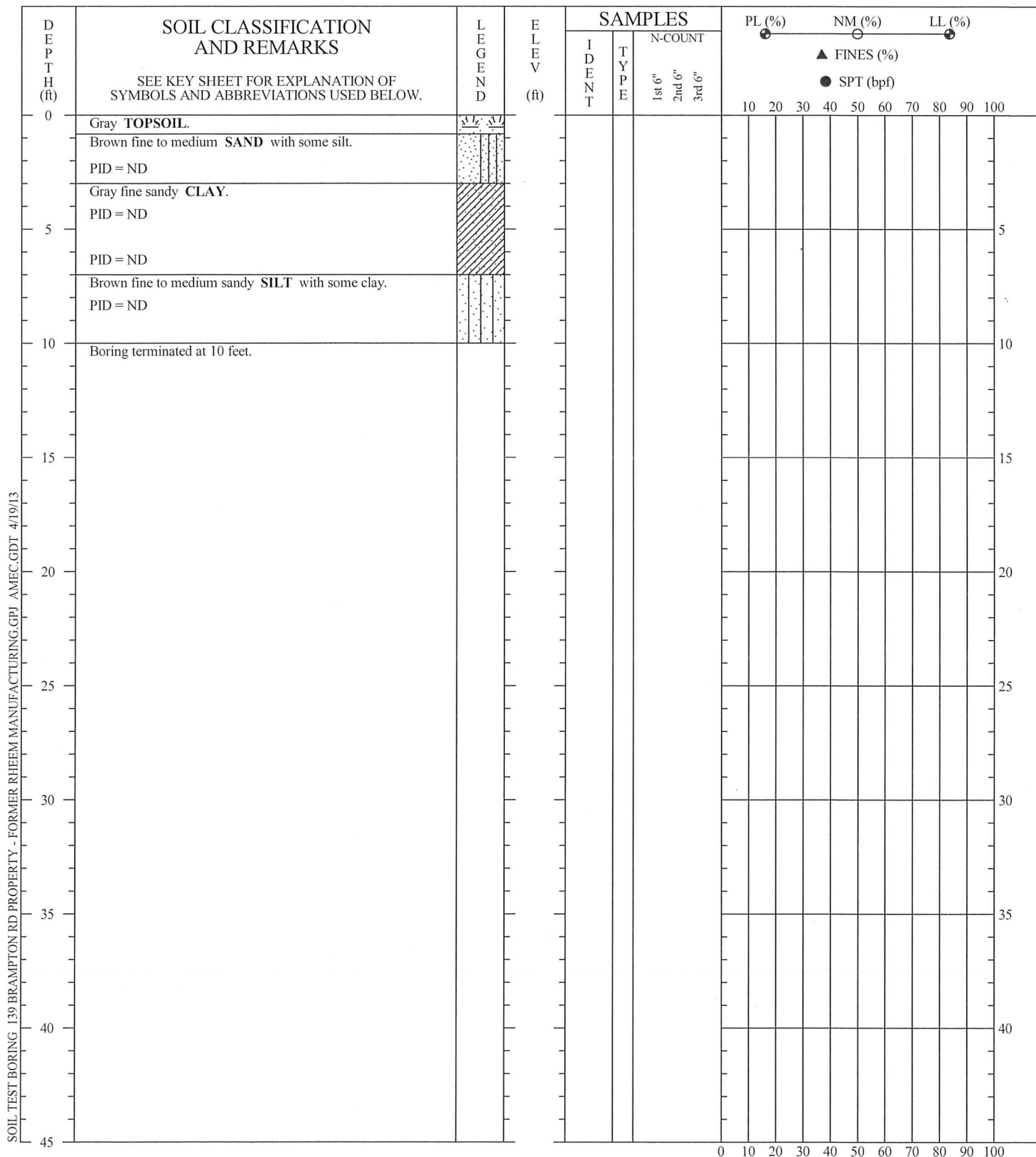
THIS RECORD IS A REASONABLE INTERPRETATION OF
 SUBSURFACE CONDITIONS AT THE EXPLORATION
 LOCATION. SUBSURFACE CONDITIONS AT OTHER
 LOCATIONS AND AT OTHER TIMES MAY DIFFER.
 INTERFACES BETWEEN STRATA ARE APPROXIMATE.
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

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





DRILLER: Geo Lab
 EQUIPMENT: Geoprobe 6610
 METHOD: HSA
 HOLE DIA.: 4 inches
 REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

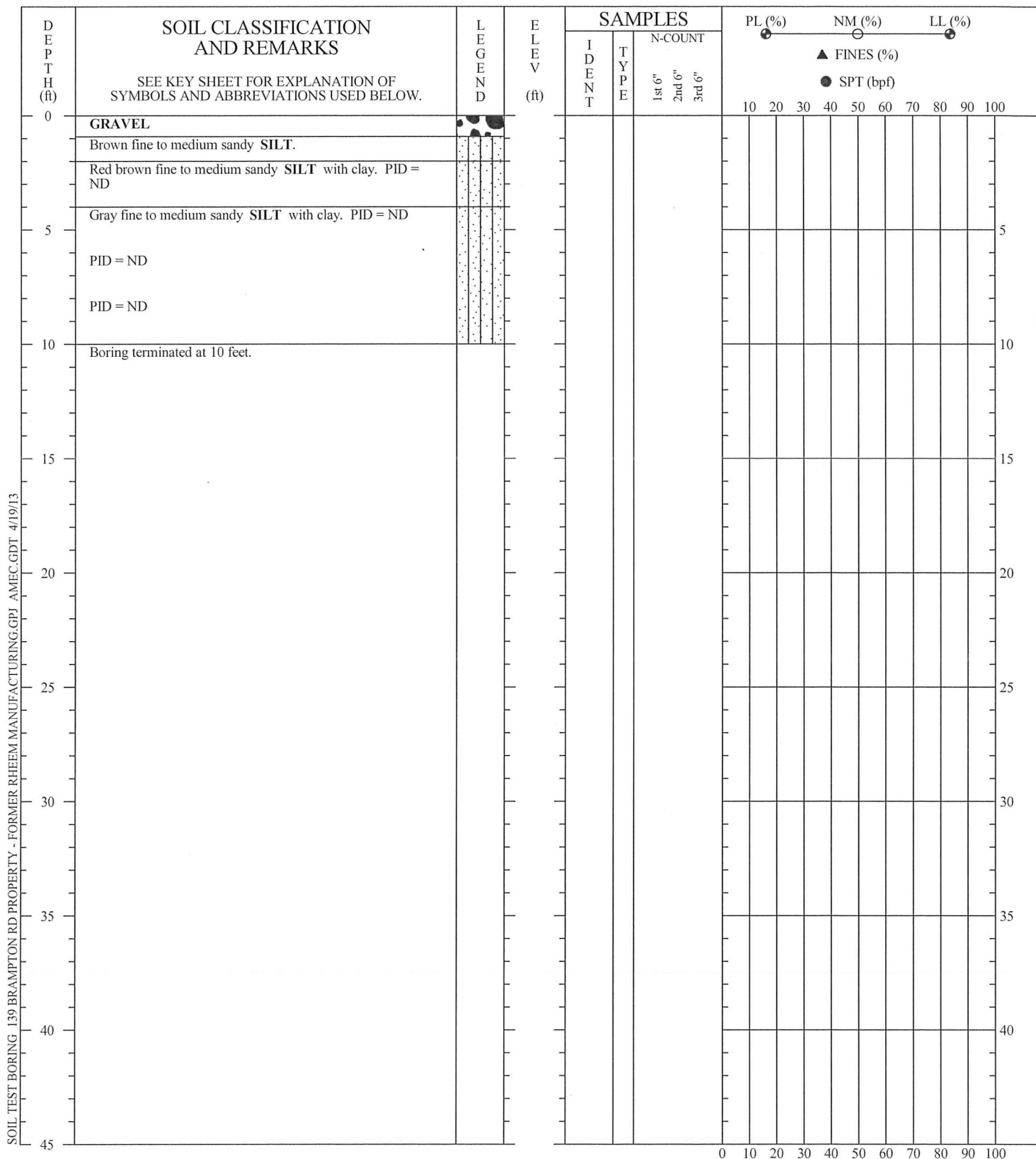
THIS RECORD IS A REASONABLE INTERPRETATION OF
 SUBSURFACE CONDITIONS AT THE EXPLORATION
 LOCATION. SUBSURFACE CONDITIONS AT OTHER
 LOCATIONS AND AT OTHER TIMES MAY DIFFER.
 INTERFACES BETWEEN STRATA ARE APPROXIMATE.
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

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





DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

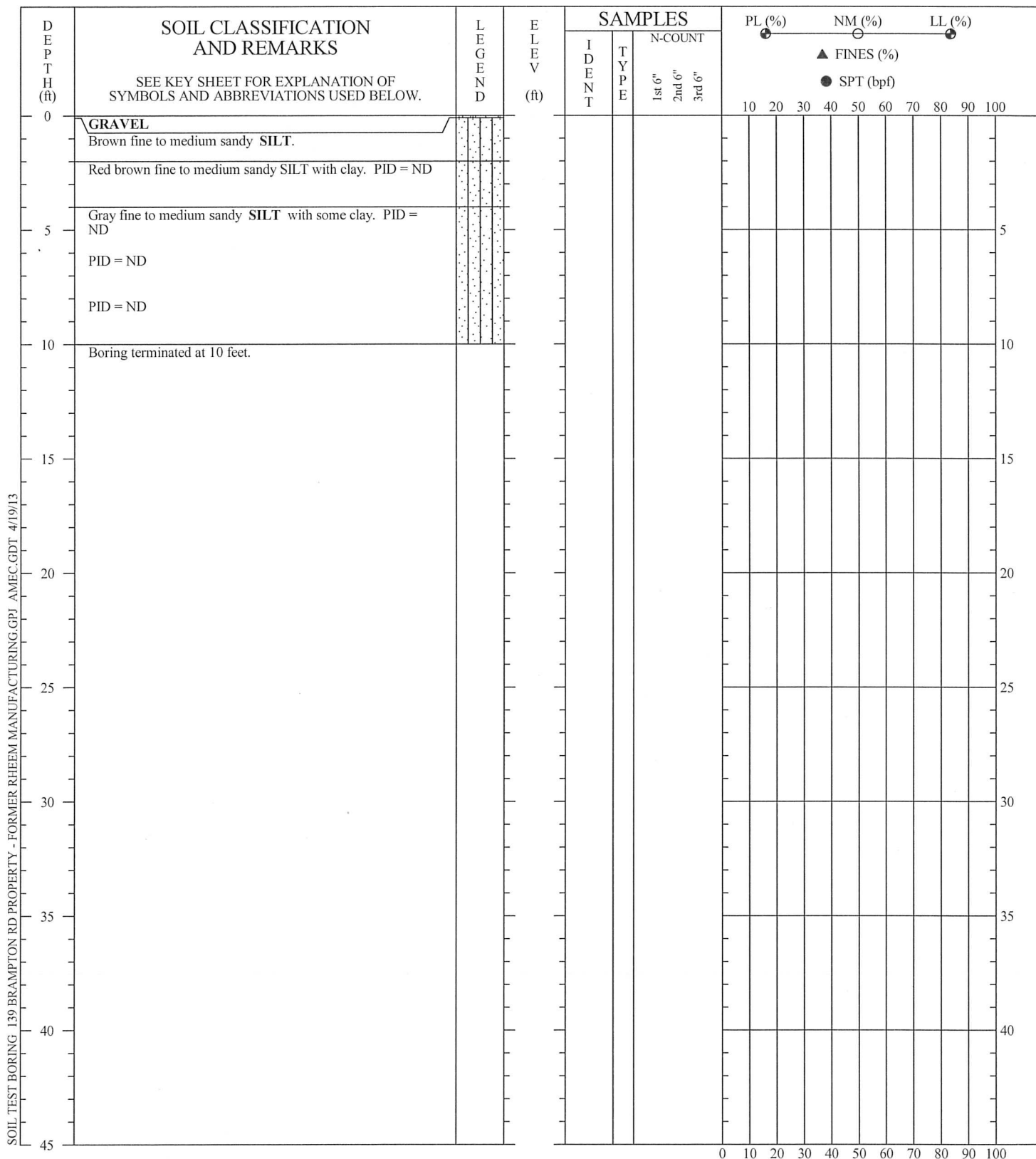
SOIL TEST BORING RECORD

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

THIS RECORD IS A REASONABLE INTERPRETATION OF
SUBSURFACE CONDITIONS AT THE EXPLORATION
LOCATION. SUBSURFACE CONDITIONS AT OTHER
LOCATIONS AND AT OTHER TIMES MAY DIFFER.
INTERFACES BETWEEN STRATA ARE APPROXIMATE.
TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.





DRILLER: Geo Lab
EQUIPMENT: Geoprobe 6610
METHOD: HSA
HOLE DIA.: 4 inches
REMARKS:

PREPARED BY: S. Davenport CHECKED BY: C. Ferry

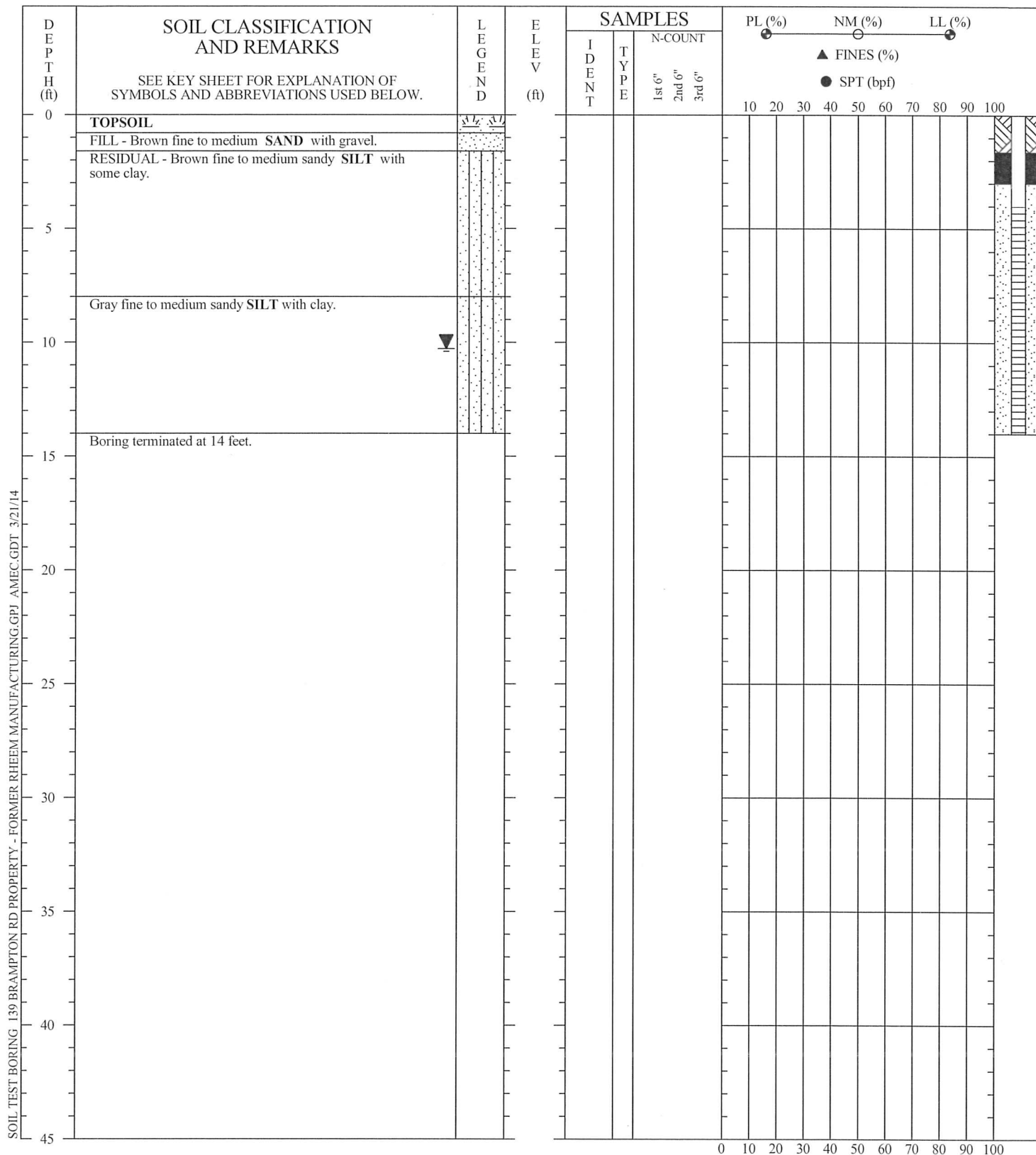
SOIL TEST BORING RECORD

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

THIS RECORD IS A REASONABLE INTERPRETATION OF
SUBSURFACE CONDITIONS AT THE EXPLORATION
LOCATION. SUBSURFACE CONDITIONS AT OTHER
LOCATIONS AND AT OTHER TIMES MAY DIFFER.
INTERFACES BETWEEN STRATA ARE APPROXIMATE.
TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.





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

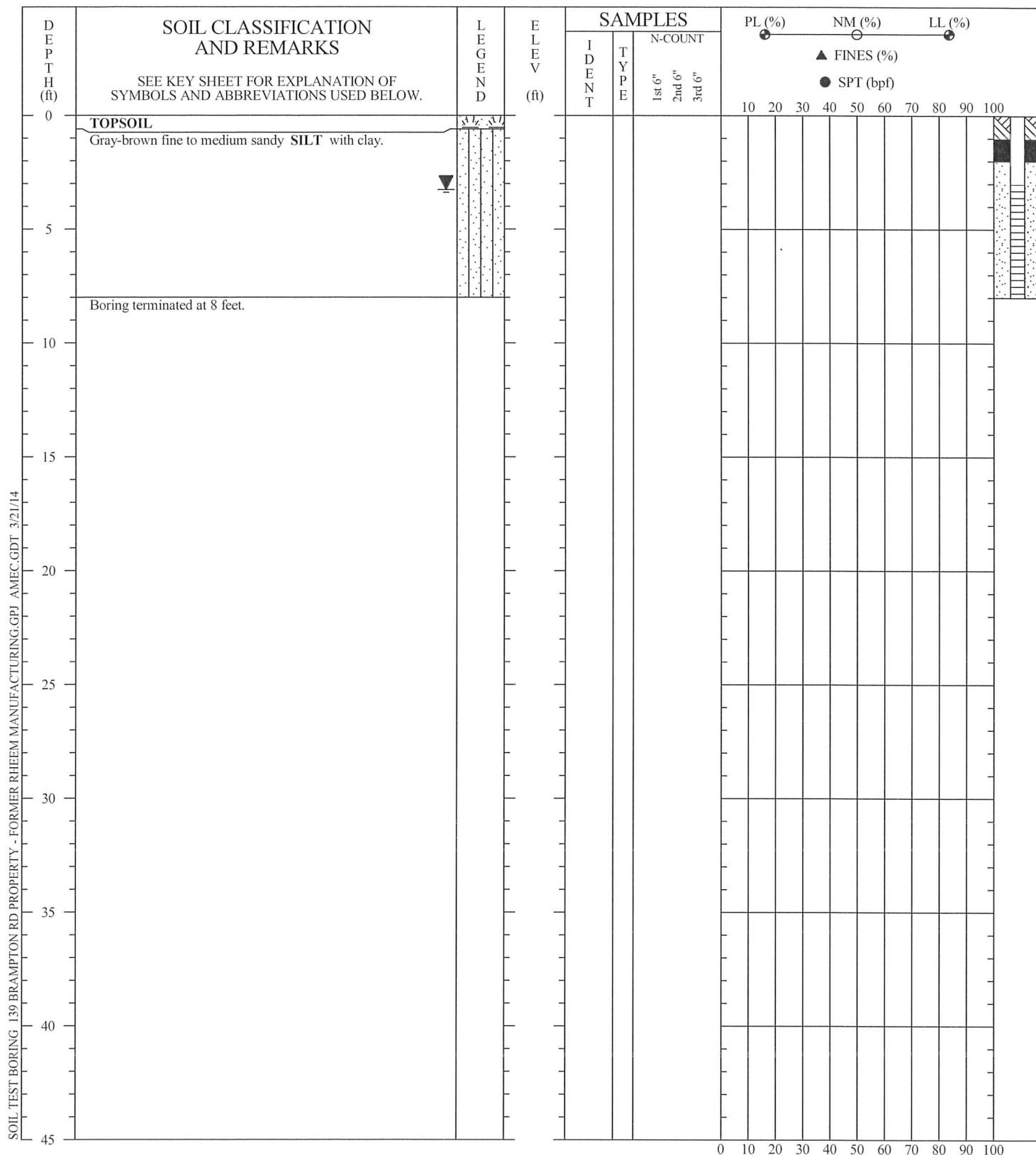
THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

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





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

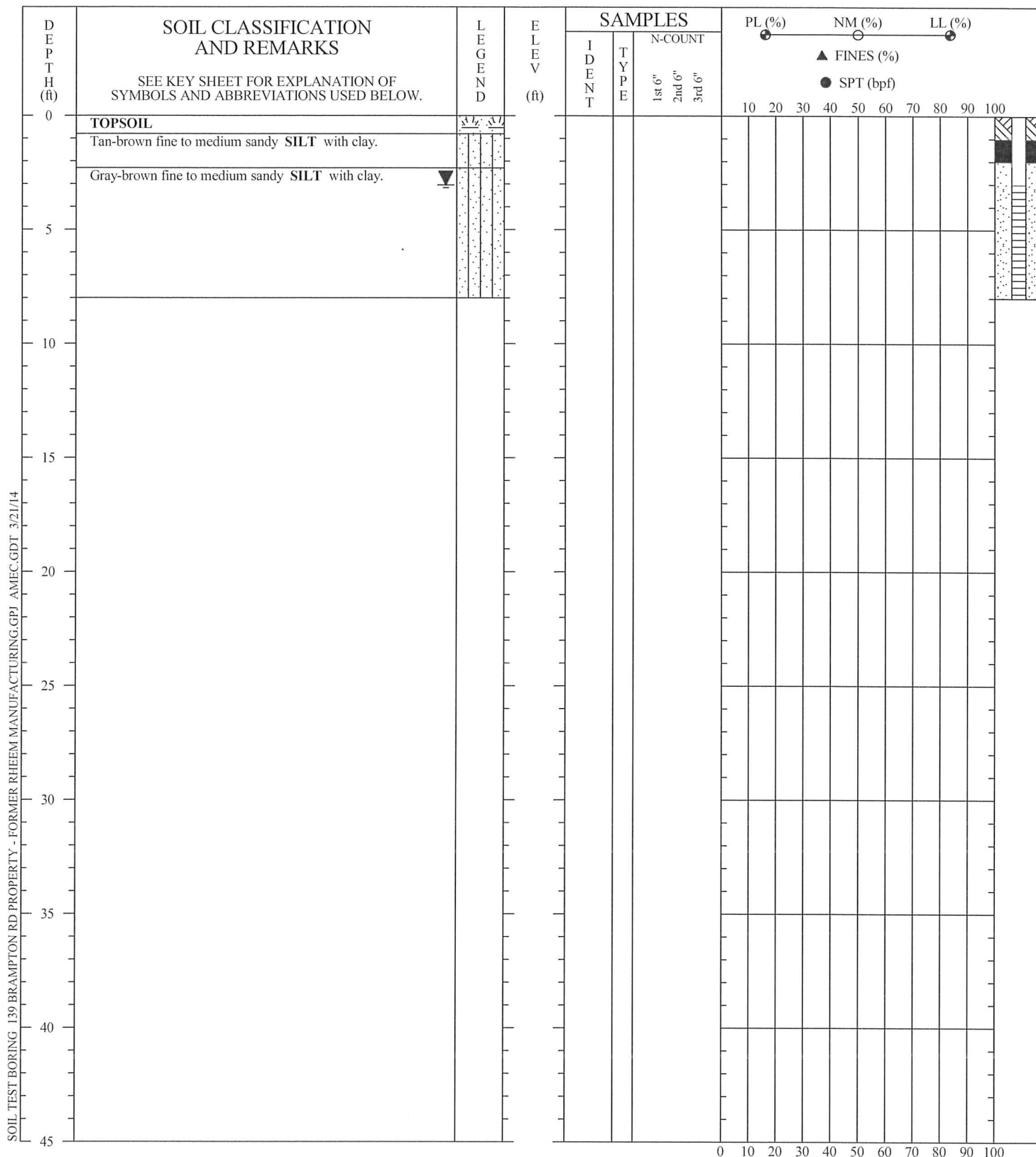
THIS RECORD IS A REASONABLE INTERPRETATION OF
 SUBSURFACE CONDITIONS AT THE EXPLORATION
 LOCATION. SUBSURFACE CONDITIONS AT OTHER
 LOCATIONS AND AT OTHER TIMES MAY DIFFER.
 INTERFACES BETWEEN STRATA ARE APPROXIMATE.
 TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

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



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

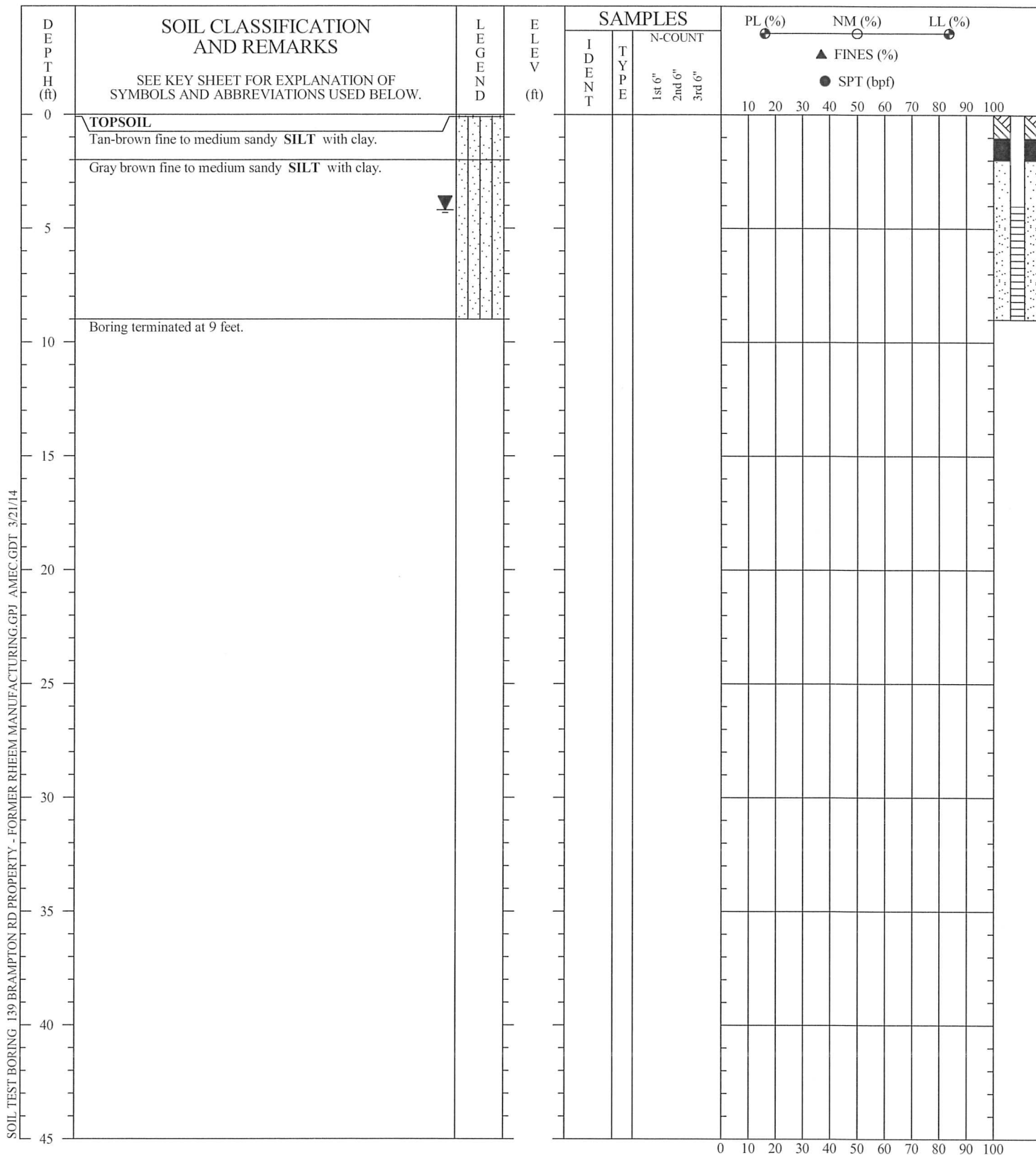
THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

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

PAGE 1 OF 1





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

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

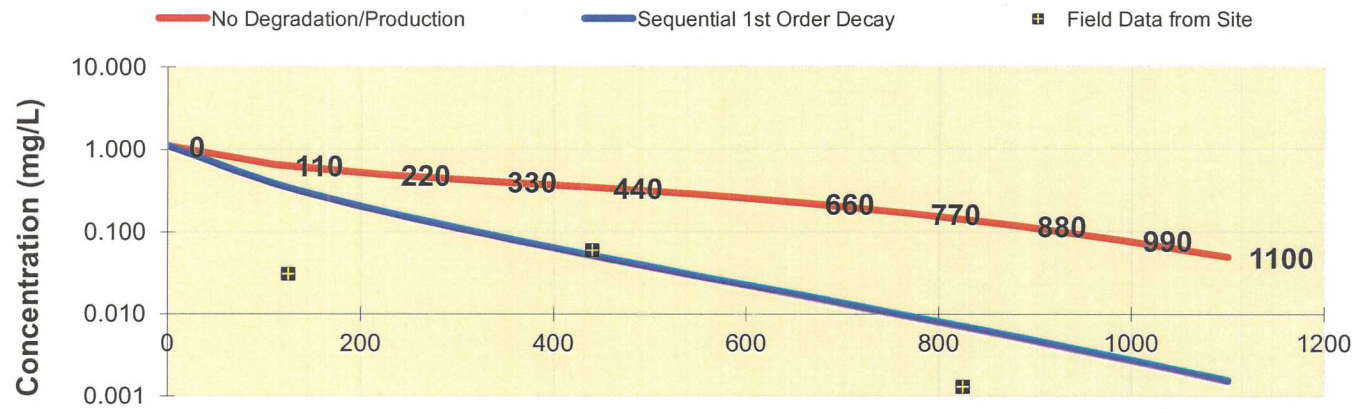
THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BETWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.



APPENDIX D
GROUNDWATER MODELING

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	1.092	0.643	0.493	0.410	0.343	0.281	0.222	0.167	0.119	0.080	0.050
Biotransformation	1.0918	0.383	0.179	0.094	0.052	0.029	0.016	0.009	0.005	0.003	0.002
Field Data from Site	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site	125	440	825								
	0.031	0.060	0.001								



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

50.0 Years

Log ↔ Linear

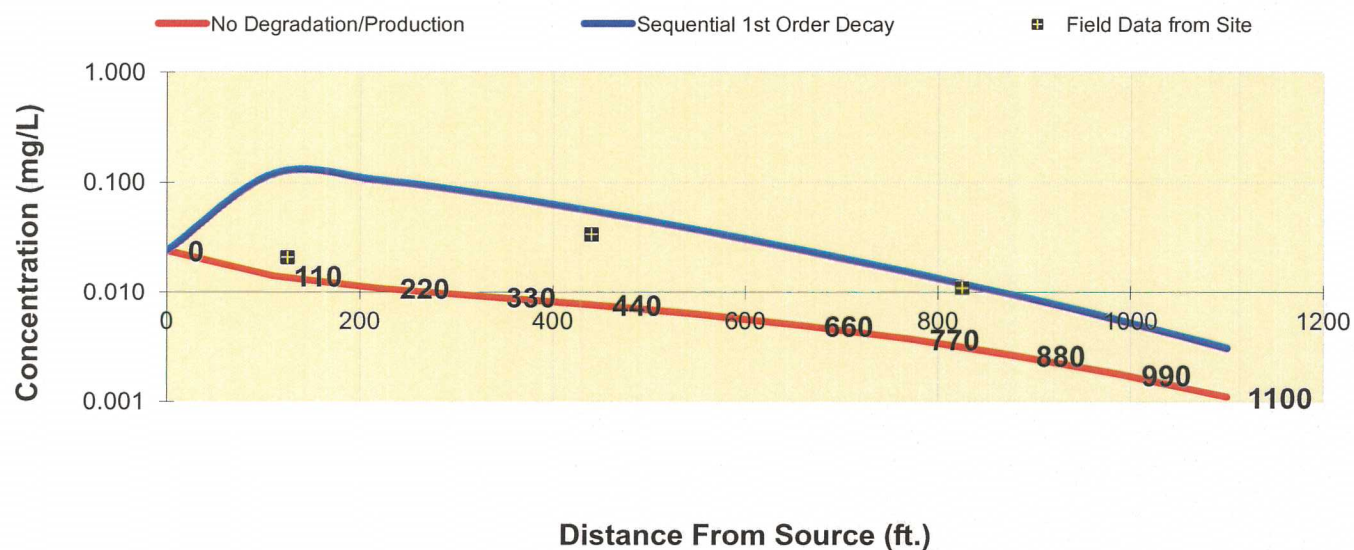
Return to
Input

To All

To Array

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.024	0.014	0.011	0.009	0.008	0.006	0.005	0.004	0.003	0.002	0.001
Biotransformation	0.0243	0.120	0.105	0.079	0.055	0.037	0.024	0.015	0.009	0.005	0.003
Monitoring Well Locations (ft)											
	EW-2	W-5	EW-7								
	125	440	825								
Field Data from Site	0.021	0.034	0.011								


[See PCE](#)
[See TCE](#)
[See DCE](#)
[See VC](#)
[See ETH](#)
[Prepare Animation](#)

Time:

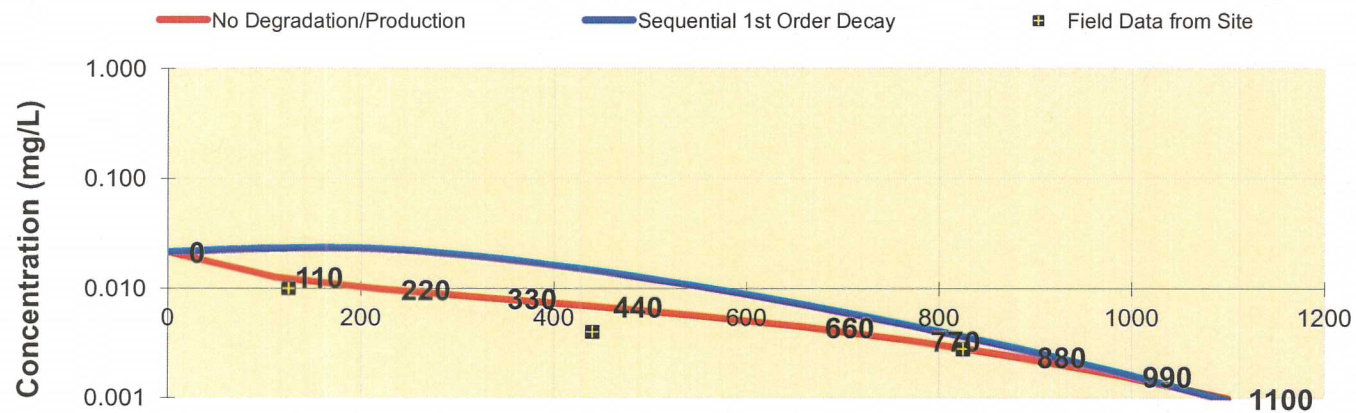
50.0 Years

Log ↔ Linear

[Return to Input](#)
[To All](#)
[To Array](#)

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

DCE	Distance from Source (ft)										
	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.022	0.013	0.010	0.008	0.007	0.006	0.004	0.003	0.002	0.002	0.001
Biotransformation	0.0218	0.023	0.023	0.019	0.015	0.010	0.007	0.005	0.003	0.002	0.001
Field Data from Site	Monitoring Well Locations (ft)										
	EW-2	W-5	EW-7								
Field Data from Site	125	440	825								
	0.010	0.004	0.003								



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

50.0 Years

Log ↔ Linear

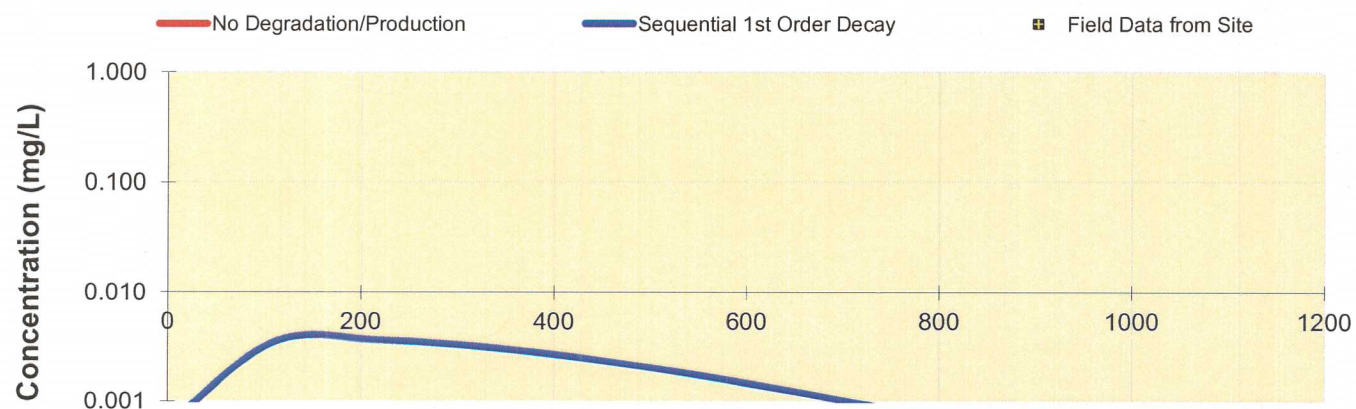
Return to
Input

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	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0006	0.003	0.004	0.003	0.002	0.002	0.001	0.001	0.000	0.000	0.000
Field Data from Site	EW-2	W-5	EW-7	Monitoring Well Locations (ft)							
	125	440	825								
	0.000	0.000	0.000								



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

50.0 Years

Log \longleftrightarrow Linear

Return to
Input

To All

To Array

Version 2.2
Excel 2000

Run Name

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.


Ethenes	<input checked="" type="radio"/>
Ethanes	<input type="radio"/>

Seepage Velocity*	Vs	14.5	(ft/yr)
or			
Hydraulic Conductivity	K	5.6E-04	(cm/sec)
Hydraulic Gradient	i	0.005	(ft/ft)
Effective Porosity	n	0.2	(-)

Alpha x*	110	(ft)	Calc. Alpha x
(Alpha y) / (Alpha x)*	0.1	(-)	
(Alpha z) / (Alpha x)*	1.E-99	(-)	

Soil Bulk Density, rho
Fraction Organic Carbon, foc
Partition Coefficient

PCE	426	(L/kg)	1.36	(-)
TCE	130	(L/kg)	1.11	(-)
DCE	125	(L/kg)	1.11	(-)
VC	30	(L/kg)	1.03	(-)
ETH	302	(L/kg)	1.26	(-)

Zone 1 		λ (1/yr)		half-life (yrs)	Yield
PCE	→ TCE	0.099	←	7.00	0.79
TCE	→ DCE	0.116	←	6.00	0.74
DCE	→ VC	0.347	←	2.00	0.64
VC	→ ETH	1.386	←	0.50	0.45

PCE → TCE	0.000	←		λ HELP
TCE → DCE	0.000	←		
DCE → VC	0.000	←		
VC → ETH	0.000	←		

Simulation Time*	100	(yr)	
Modeled Area Width*	500	(ft)	
Modeled Area Length*	1100	(ft)	
Zone 1 Length*	1100	(ft)	
Zone 2 Length*	0	(ft)	

Zone 2=

Source Thickness in Sat. Zone* (ft)

Width* (ft)	75
-------------	----

Conc. (mg/L)*	C1
PCE	1.8
TCE	.04
DCE	.036
VC	.001
ETH	

PCE Conc. (mg/L)	.031	.06	.001							
TCE Conc. (mg/L)	.021	.034	.011							
DCE Conc. (mg/L)	.01	.004	.003							
VC Conc. (mg/L)	.0	.0	.0							
ETH Conc. (mg/L)										
Distance from Source (ft)	125	440	825							
Date Data Collected	2015	2015	2016							

RUN CENTERLINE

RUN ARRAY

Help

Restore

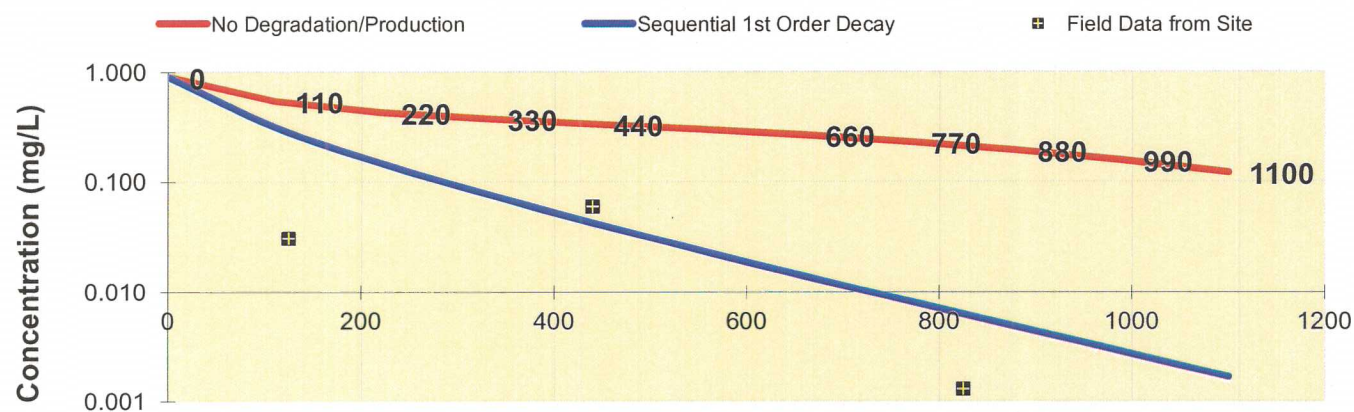
RESET

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	0.894	0.536	0.423	0.369	0.330	0.297	0.263	0.228	0.191	0.155	0.121
Biotransformation	0.8939	0.313	0.147	0.077	0.042	0.024	0.014	0.008	0.005	0.003	0.002
Field Data from Site	EW-2	W-5	EW-7	Monitoring Well Locations (ft)							
	125	440	825								
	0.031	0.060	0.001								



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

70.0 Years

Log \longleftrightarrow Linear

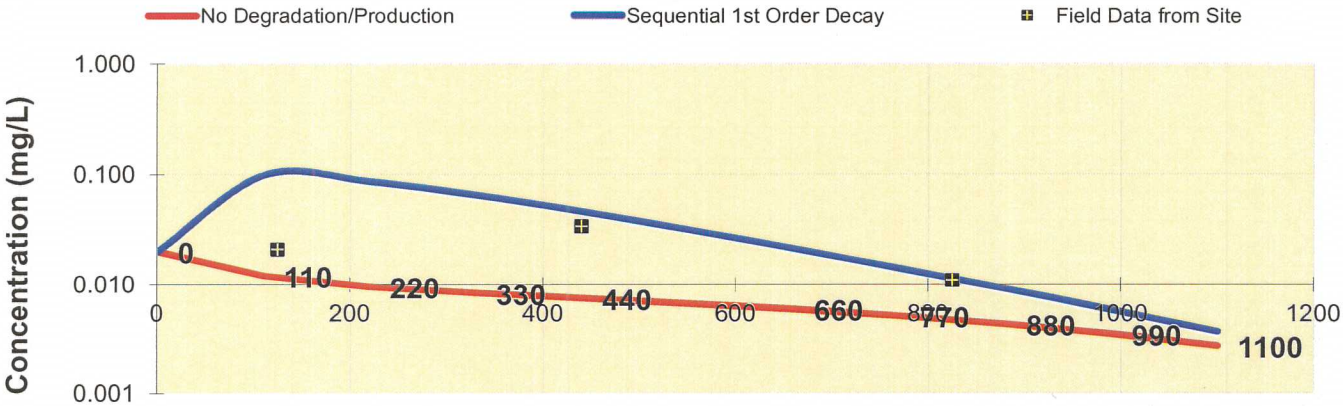
Return to
Input

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	0.020	0.012	0.009	0.008	0.007	0.007	0.006	0.005	0.004	0.003	0.003
Biotransformation	0.0199	0.098	0.086	0.065	0.046	0.032	0.021	0.014	0.009	0.006	0.004
Field Data from Site	EW-2	W-5	EW-7	Monitoring Well Locations (ft)							
	125	440	825								
	0.021	0.034	0.011								



- See PCE
- See TCE
- See DCE
- See VC
- See ETH

Distance From Source (ft.)

Replay

Time:

70.0 Years

Log ↔ Linear

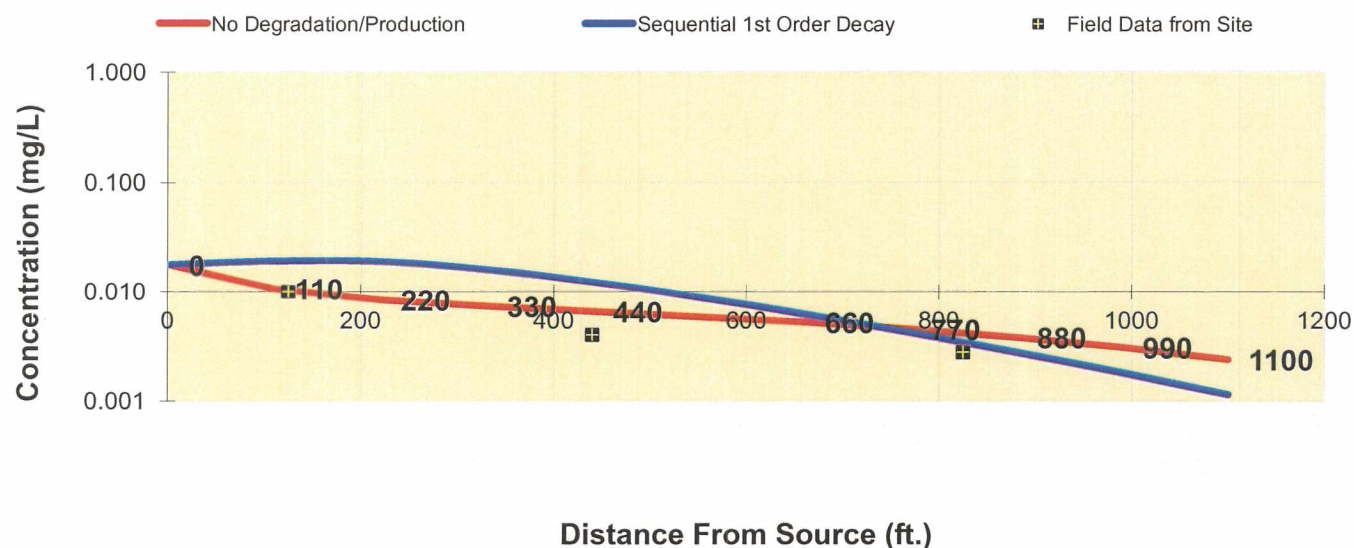
Return to Input

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	0.018	0.011	0.008	0.007	0.007	0.006	0.005	0.005	0.004	0.003	0.002
Biotransformation	0.0179	0.019	0.019	0.016	0.012	0.009	0.006	0.004	0.003	0.002	0.001
Field Data from Site	EW-2	W-5	EW-7	Monitoring Well Locations (ft)							
	125	440	825								
	0.010	0.004	0.003								



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

70.0 Years

Log ↔ Linear

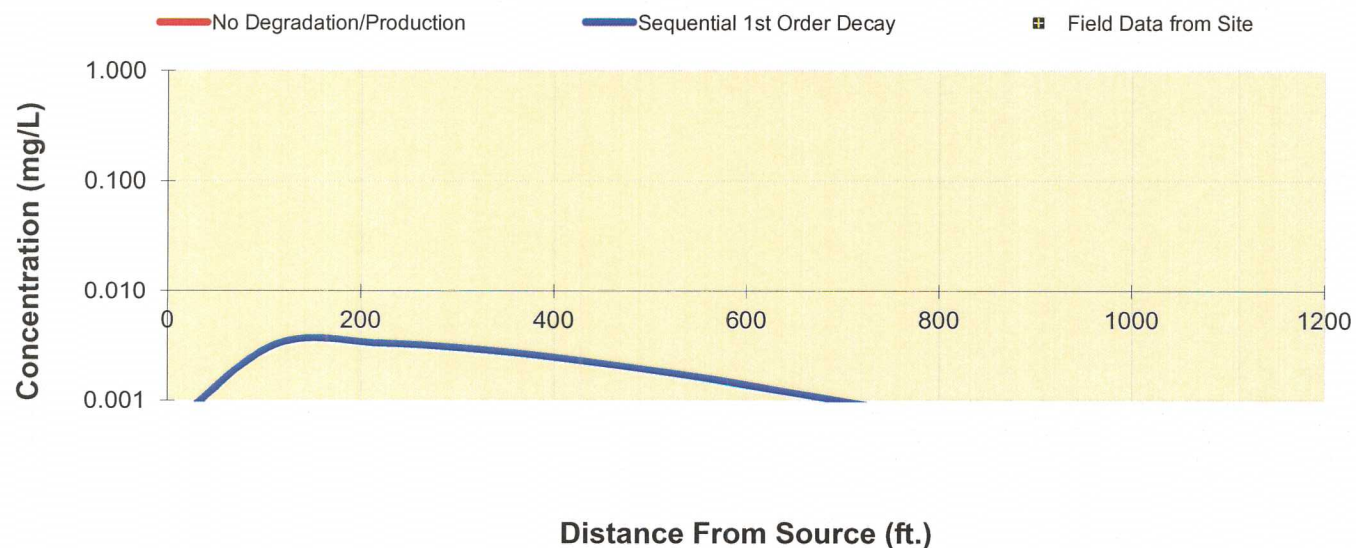
Return to
Input

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	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0005	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.000	0.000	0.000
Field Data from Site	EW-2	W-5	EW-7	Monitoring Well Locations (ft)							
	125	440	825								
Field Data from Site	0.000	0.000	0.000								



See PCE

See TCE

See DCE

See VC

See ETH

Replay

Time:

60.0 Years

Log \longleftrightarrow Linear

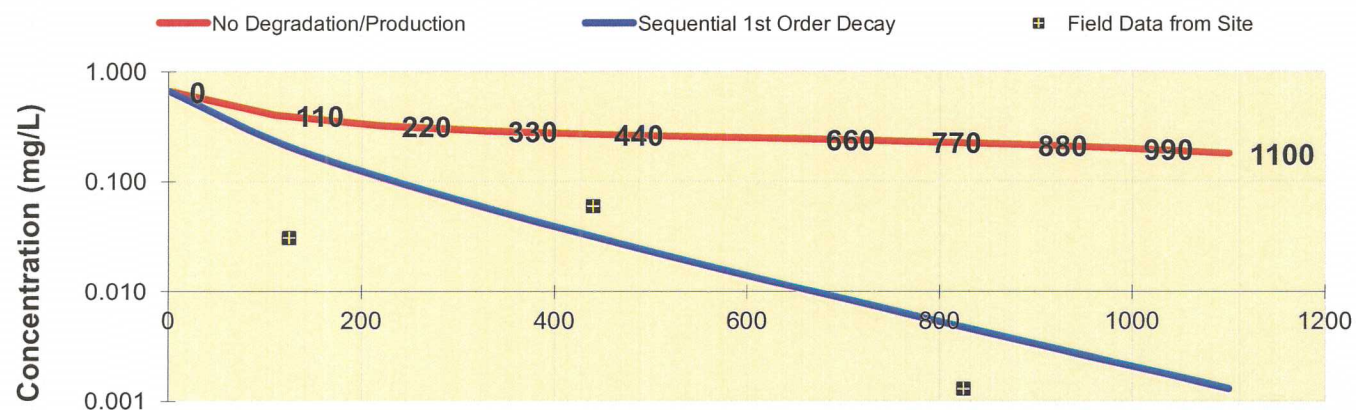
Return to
Input

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	0.662	0.401	0.322	0.288	0.269	0.255	0.243	0.230	0.216	0.200	0.181
Biotransformation	0.6622	0.232	0.109	0.057	0.031	0.018	0.010	0.006	0.004	0.002	0.001
Monitoring Well Locations (ft)											
	EW-2	W-5	EW-7								
	125	440	825								
Field Data from Site	0.031	0.060	0.001								



See PCE

See TCE

See DCE

See VC

See ETH

Prepare Animation

Time:

100.0 Years

Log \longleftrightarrow Linear

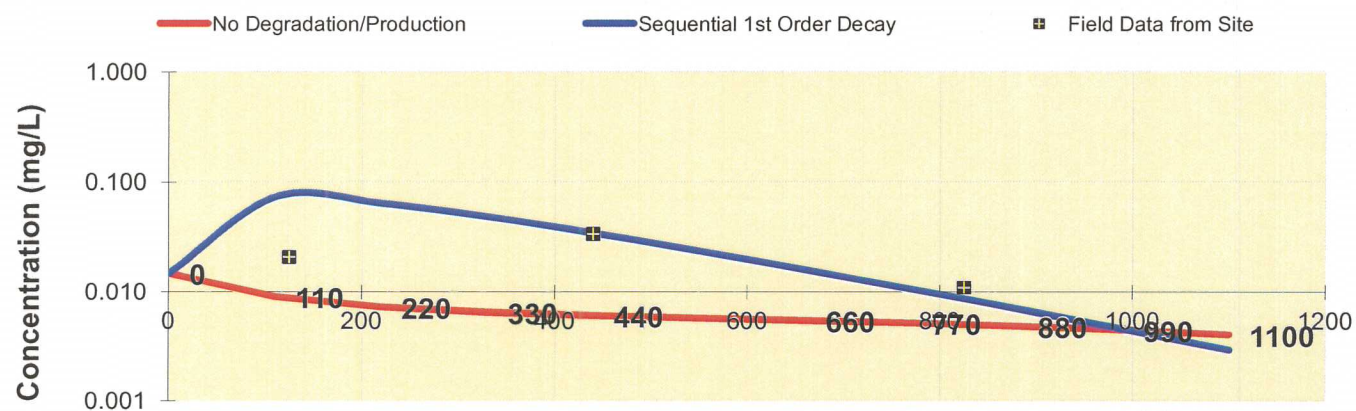
Return to
Input

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	0.015	0.009	0.007	0.006	0.006	0.006	0.005	0.005	0.005	0.004	0.004
Biotransformation	0.0147	0.073	0.064	0.048	0.034	0.023	0.016	0.010	0.007	0.004	0.003
Monitoring Well Locations (ft)											
	EW-2	W-5	EW-7								
	125	440	825								
Field Data from Site	0.021	0.034	0.011								



See PCE

See TCE

See DCE

See VC

See ETH

Distance From Source (ft.)

Prepare Animation

Time:

100.0 Years

Log ↔ Linear

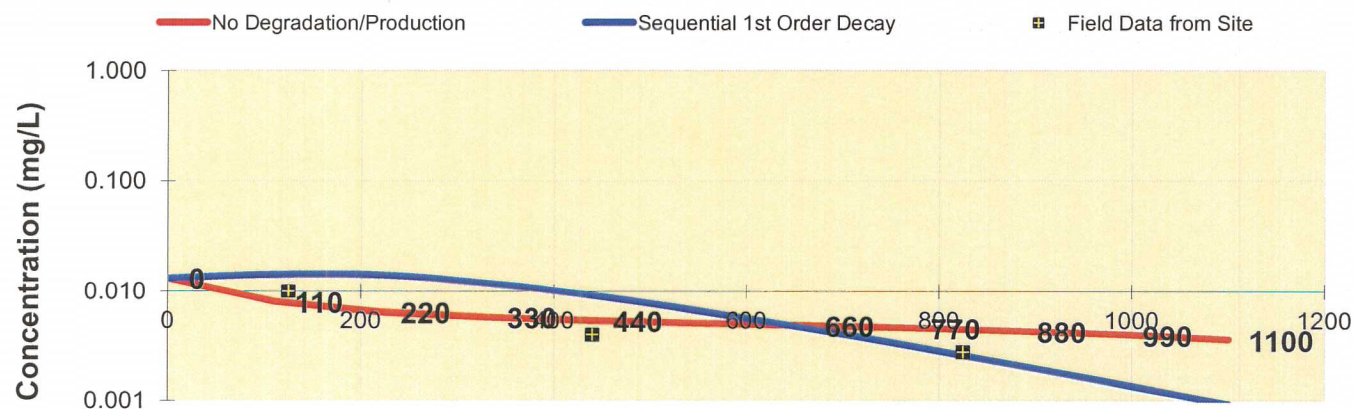
Return to
Input

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	0.013	0.008	0.006	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004
Biotransformation	0.0132	0.014	0.014	0.012	0.009	0.007	0.005	0.003	0.002	0.001	0.001
Monitoring Well Locations (ft)											
	EW-2	W-5	EW-7								
	125	440	825								
Field Data from Site	0.010	0.004	0.003								



See PCE

See TCE

See DCE

See VC

See ETH

Distance From Source (ft.)

Prepare Animation

Time:

100.0 Years

Log ↔ Linear

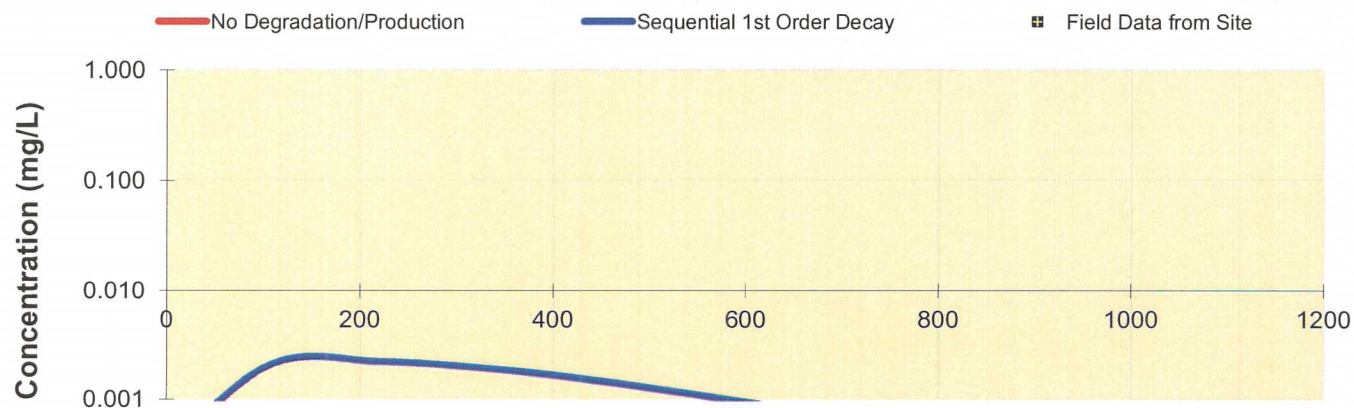
Return to
Input

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	0.0004	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Field Data from Site	EW-2	W-5	EW-7	Monitoring Well Locations (ft)							
	125	440	825								
	0.000	0.000	0.000								



See PCE

See TCE

See DCE

See VC

See ETH

Distance From Source (ft.)

Prepare Animation

Time:

100.0 Years

Log \longleftrightarrow Linear

Return to
Input

To All

To Array

Table D-1 – Summary of Biochlor Input Parameters

Data Type	Parameter	Value	Source of Data
Hydrogeology	Hydraulic Conductivity	7.8×10^{-4} cm/sec	Slug Test Results, Revised Compliance Status Report, Golder Associates, dated May 11, 2000.
	Hydraulic Gradient	0.005	Static Water Level Measurements 8/11/15
	Effective Porosity	0.20	Estimated based on typical sandy soil
Dispersion	Longitudinal Dispersivity	110	10% of estimated plume length
	Transverse Dispersivity	0.1	Biochlor recommended value
	Vertical Dispersivity	1×10^{-99}	Biochlor recommended value
Adsorption	Retardation Factor	1.11	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
	Foc	0.0001	Default value – modified to suit field observations of contaminant distribution
	Koc	PCE – 426 TCE – 130 DCE – 125 VC – 30	Literature values
Biotransformation	Biotransformation Rate Coefficient	PCE - 0.099 TCE – 0.116 DCE – 0.347 VC – 1.386	Based on calibration to field data using 50-year simulation time (release assumed in the 1960s). Started with literature values (Buss, S.R., Herbert, A.W., Morgan, P., & Thornton, S.F., 2003) and adjusted model to fit field data.
General	Modeled Area Length	1,100	Plume modeled from EW-4 (location of highest historic PCE concentration) to Dundee Canal.
	Modeled Area Width	500	Modeled area widths were estimated based on CVOC lateral delineation.
	Simulation Time	100	Simulation time from estimated release to at least 50 years into the future, assuming a release date in the 1960s.
Source Data	Source Thickness, ft.	10	From monitoring well boring logs.
	Source Width, ft.	75	Modeled as a single-plane source based on limited impacts identified in area surrounding EW-1.
	Source Concentrations, mg/L	1,800	EW-1 data represents the highest PCE concentration detected to date.

Table D-2 - Model Sensitivity Analysis; Calculated for March 2016 at EW-7

Hydraulic Conductivity (Baseline = 5.6×10^{-4} cm/sec)				
Constituent	Concentrations (mg/L)			
	2x Baseline	Baseline	0.5x Baseline*	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 = 0.005)				
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 = 0.20)				
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 = 110 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 = 1.11)				
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/cm³)				
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 = 0.0001)				
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 = 426-PCE, 130-TCE, 173-DCE, 30-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 = 0.099-PCE, 0.139-TCE, 0.173-DCE, 1.386-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 = 0.021)				
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 D-3 – Summary of Predicted vs. Observed VOC Concentrations, 2015-2016

Constituent, mg/L	EW-2		W-5		EW-7	
	Predicted	Observed	Predicted	Observed	Predicted	Observed
Tetrachloroethene	0.341	0.0312	0.052	0.0595	0.007	0.00128
Trichloroethene	0.120	0.021	0.055	0.034	0.012	0.0113
Dichloroethene	0.024	0.0105	0.015	0.00438	0.004	0.0028
Vinyl Chloride	0.004	<0.001	0.002	<0.001	0.001	<0.001

Table D-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	0.002	0.0033
Trichloroethene	0.004	0.030
Dichloroethene	0.001	10.0
Vinyl Chloride	<0.001	0.0024

*Predicted value does not take into account any dilution effects from the surface water body

APPENDIX E
VAPOR INTRUSION MODELING

MCDONALD VENTURES

Table E-1
Summary of Groundwater Concentrations - 2013
McDonald Ventures
155 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)
<u>Volatile Organic Compounds</u>			
1,1-Dichloroethane	6.14	6.6	No
1,1-Dichloroethene	15	200	No
Benzene	1.22	1.4	No
Tetrachloroethene	5.51	13	No
Trichloroethene	1.65	1.1	Yes

(a) Maximum detected concentrations for GW-9, sampled in March 2013.

(b) Calculated using OSWER Vapor Intrusion Screening Level (VISL) Calculator Version 1.0, June 2013 RSLs for
TCR = 0.000001 and THQ = 1

(c) Compound selected as a COPC if maximum 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 10/17/13

Table E-2
Occupational Assumptions Used in Johnson & Ettinger Model (GW-ADV)
McDonald Ventures
155 Brampton Road, Savannah, GA

Parameter	Value	Justification
Average Water Temp.	18.3 °C	Area average (65° F)
Depth Below Grade to Enclosed Space Floor	15 cm	Slab on grade foundation - assumption
Depth Below Grade to Groundwater /Thickness of Soil Stratum	46.94 cm	Site-specific (1.54 ft); based on 2013 monitoring well data (GW-9)
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	20.32 cm	Site-specific (8 inches)
Soil-Building Pressure Differential	40 g/cm-s ²	Model default
Enclosed Space Floor Length	24,384 cm	Site-specific for warehouse (800 ft)
Enclosed Space Floor Width	7,620 cm	Site-specific for warehouse (250 ft)
Enclosed Space Height	1,082 cm	Height for Warehouse (35.5 ft); site-specific.
Floor-Wall Seam Crack Width	0.1 cm	Model default
Indoor Air Exchange Rate	2/hr	Site-specific for warehouse
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 ⁻⁶ unitless	Target Risk
Target Hazard for Noncarcinogens	1 unitless	Target Hazard

Table E-3
Calculations of Risk to Indoor Air Concentrations
Site Worker - Future
Inhalation of Indoor Air
McDonald Ventures
155 Brampton Road, Savannah, GA

Parameter	Concentration in Air (ug/m³)	Value Type (¹)	Exposure Concentration (ug/m³) (²)		Toxicity Values		Source	Hazard Quotient (³) (Unitless)	Excess Cancer Risk (⁴) (Unitless)
			Noncarcinogen	Carcinogen	Inhalation	Inhalation			
					RfC	Unit Risk			
					(mg/m³)	(ug/m³) ⁻¹			
<u>Volatile Organic Compounds</u>									
Trichloroethene	7.96E-05	Modeled	1.82E-05	6.49E-06	2.0E-03	4.0E-06	IRIS	9.1E-06	2.6E-11
Total:								9E-06	3E-11

m³ = cubic meters

mg = milligram

RfC = Reference Concentration

ug = micrograms

IRIS - Integrated Risk Information System; Cal EPA - California Environmental Protection Agency.

(¹) Infinite source concentration from the Johnson and Ettinger Model (version GW-ADV 3.1, 02/04). Maximum detected groundwater concentration used as the exposure point concentration (Table 1).

(²) Exposure Concentration = See Equations below

(³) Hazard Quotient (Noncarcinogens) = Noncarcinogen Exposure Concentration/RfC x 1000 ug/mg

(⁴) Excess Cancer Risk (Carcinogens) = Carcinogen Exposure Concentration x Inhalation Unit Risk

Carcinogen Exposure Concentration = CA x ET x EF x ED/ AT_c where Noncarcinogen Exposure Concentration = CA x ET x EF x ED/AT_{nc} where:

CA = Constituent Concentration in Air (estimated)	See above	AT _{nc} = Averaging Time (Noncarcinogen, hours)	219,000
ET = Exposure Time (hours per day)	8	AT _c = Averaging Time (Carcinogenic, hours)	613,200
EF = Exposure Frequency (days per year)	250		
ED = Exposure Duration (years)	25		

PREPARED/DATE: LWC 10/14/13

CHECKED/DATE: LMS 10/17/13

RHEEM

Table E-1
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 °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

OSWER VAPOR INTRUSION ASSESSMENT

Vapor Intrusion Screening Level (VISL) Calculator Version 3.4, November 2015 RSLs

The primary objective of risk-based screening is to identify sites or buildings unlikely to pose a health concern through the vapor intrusion pathway. Generally, at properties where subsurface concentrations of vapor-forming chemicals (e.g., groundwater or "near source" soil gas concentrations) fall below screening levels (i.e., VISLs), no further action or study is warranted, so long as the exposure assumptions match those taken into account by the calculations and the site fulfills the conditions and assumptions of the generic conceptual model underlying the screening levels. In a similar fashion, the results of risk-based screening can help the data review team identify areas, buildings, and/or chemicals that can be eliminated from further assessment. The generic conceptual model underlying these screening levels is described in OSWER Publication 9200.2-154 (OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway From Subsurface Vapor Sources to Indoor Air) (EPA 2015; Section 6.5)

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Residential	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-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

		Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? Cvp > Cia,target?	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? Chc > Cia,target?	Target Indoor Air Conc. @ TCR = 10E-06 or THQ = 0.1 MIN(Cia,c;Cia,nc)	Toxicity Basis	Target Sub-Slab and Exterior Soil Gas Conc. @ TCR = 10E-06 or THQ = 0.1 Csg	Target Ground Water Conc. @ TCR = 10E-06 or THQ = 0.1 Cgw	Is Target Ground Water Conc. < MCL? Cgw<MCL?	Pure Phase Vapor Conc. @ 25°C Cvp	Maximum Groundwater Vapor Conc. Chc	Temperature for Max. Groundwater Vapor Conc. Tqw or 25	Lower Explosive Limit** LEL	LEL Source	Inhalation Unit Risk IUR	IUR Source*	Reference Concentration RfC	RfC Source*	Mutagenic Indicator i	Target Indoor Air Conc. for Carcinogens @ TCR = 10E-06 Cia,c	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.1 Cia,nc
x	71-43-2	Benzene	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
x	67-66-3	Chloroform	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
x	156-59-2	Dichloroethylene, 1,2-cis-	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info									M							
x	156-60-5	Dichloroethylene, 1,2-trans-	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info									M							
x	127-18-4	Tetrachloroethylene	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
x	79-01-6	Trichloroethylene	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
x	75-01-4	Vinyl Chloride	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

Averaging time for carcinogens
Averaging time for non-carcinogens
Exposure duration
Exposure frequency
Exposure time

Units

(yrs)
(yrs)
(yrs)
(days/yr)
(hr/day)

Residential

Symbol Value
ATc_R 70
ATnc_R 26
ED_R 26
EF_R 350
ET_R 24

Commercial

Symbol Value
ATc_C 70
ATnc_C 25
ED_C 25
EF_C 250
ET_C 8

Selected (based on scenario in cell G10)

Symbol Value
ATc 70
ATnc 26
ED 26
EF 350
ET 24

(2) Generic Attenuation Factors:

Source Medium of Vapors

Groundwater
Sub-Slab and Exterior Soil Gas

(-)
(-)

Residential

Symbol Value
AFgw_R 0.001
AFss_R 0.03

Commercial

Symbol Value
AFgw_C 0.001
AFss_C 0.03

Selected (based on scenario in cell G10)

Symbol Value
AFgw 0.001
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 Value
mIURTCE_R 1.00E-06
IURTCE_R 3.10E-06

Commercial

Symbol Value
mIURTCE_C 0.00E+00
IURTCE_C 4.10E-06

Selected (based on scenario in cell G10)

Symbol Value
mIURTCE 1.00E-06
IURTCE 3.10E-06

Mutagenic Chemicals

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.

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to 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:

P = PPRTV: EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at:

A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at:

CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at:

H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at:

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:

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.

OSWER VAPOR INTRUSION ASSESSMENT

Vapor Intrusion Screening Level (VISL) Calculator Version 3.4, November 2015 RSLs

The primary objective of risk-based screening is to identify sites or buildings unlikely to pose a health concern through the vapor intrusion pathway. Generally, at properties where subsurface concentrations of vapor-forming chemicals (e.g., groundwater or "near source" soil gas concentrations) fall below screening levels (i.e., VISLs), no further action or study is warranted, so long as the exposure assumptions match those taken into account by the calculations and the site fulfills the conditions and assumptions of the generic conceptual model underlying the screening levels. In a similar fashion, the results of risk-based screening can help the data review team identify areas, buildings, and/or chemicals that can be eliminated from further assessment. The generic conceptual model underlying these screening levels is described in OSWER Publication 9200.2-154 (OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway From Subsurface Vapor Sources to Indoor Air) (EPA 2015; Section 6.5)

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Commercial	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

		Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? Cvp > Cia,target?	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? Chc > Cia,target?	Target Indoor Air Conc. @ TCR = 10E-06 or THQ = 0.1 MIN(Cia,c;Cia,nc)	Toxicity Basis	Target Sub-Slab and Exterior Soil Gas Conc. @ TCR = 10E-06 or THQ = 0.1 Csg	Target Ground Water Conc. @ TCR = 10E-06 or THQ = 0.1 Cgw	Is Target Ground Water Conc. < MCL? Cgw<MCL?	Pure Phase Vapor Conc. @ 25°C Cvp	Maximum Groundwater Vapor Conc. Chc	Temperature for Max. Groundwater Vapor Conc. Tqw or 25	Lower Explosive Limit** LEL	LEL Source	Inhalation Unit Risk IUR	IUR Source*	Reference Concentration RfC	RFC Source*	Mutagenic Indicator i	Target Indoor Air Conc. for Carcinogens @ TCR = 10E-06 Cia,c	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.1 Cia,nc
x	71-43-2	Benzene	Yes	Yes	Yes	1.3E+01	NC	4.4E+02	7.1E+01	No (5)	3.98E+08	3.32E+08	20.6	1.2	N	7.80E-06	I	3.00E-02	I		1.6E+01	1.3E+01
x	67-66-3	Chloroform	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
x	156-59-2	Dichloroethylene, 1,2-cis-	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info									M							
x	156-60-5	Dichloroethylene, 1,2-trans-	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info									M							
x	127-18-4	Tetrachloroethylene	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
x	79-01-6	Trichloroethylene	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
x	75-01-4	Vinyl Chloride	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:

(1) Inhalation Pathway Exposure Parameters (RME):

Exposure Scenario

Averaging time for carcinogens
Averaging time for non-carcinogens
Exposure duration
Exposure frequency
Exposure time

Units

(yrs)
(yrs)
(yrs)
(days/yr)
(hr/day)

Residential

Symbol Value
ATc_R 70
ATnc_R 26
ED_R 26
EF_R 350
ET_R 24

Commercial

Symbol Value
ATc_C 70
ATnc_C 25
ED_C 25
EF_C 250
ET_C 8

Selected (based on scenario in cell G10)

Symbol Value
ATc 70
ATnc 25
ED 25
EF 250
ET 8

(2) Generic Attenuation Factors:

Source Medium of Vapors

Groundwater
Sub-Slab and Exterior Soil Gas

(-)
(-)

Residential

Symbol Value
AFgw_R 0.001
AFss_R 0.03

Commercial

Symbol Value
AFgw_C 0.001
AFss_C 0.03

Selected (based on scenario in cell G10)

Symbol Value
AFgw 0.001
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 Value
mIURTCE_R 1.00E-06
IURTCE_R 3.10E-06

Commercial

Symbol Value
mIURTCE_C 0.00E+00
IURTCE_C 4.10E-06

Selected (based on scenario in cell G10)

Symbol Value
mIURTCE 0.00E+00
IURTCE 4.10E-06

Mutagenic Chemicals

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

25

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:

P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at:

A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at:

CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at:

H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at:

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:

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.

DATA ENTRY SHEET

SG-ADV
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Reset to
Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu\text{g}/\text{m}^3$)	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 (°C)	ENTER Totals must add up to value of L_S (cell F24)			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)
Thickness of soil stratum A, h_A (cm)	Thickness of soil stratum B, (Enter value or 0) h_B (cm)	Thickness of soil stratum C, (Enter value or 0) h_C (cm)						
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 ($\text{g}/\text{cm} \cdot \text{s}^2$)	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 (°C)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Molecular weight, MW (g/mol)	Unit risk factor, URF (µg/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_{ra} (cm ²)	Stratum A soil effective vapor permeability, k_v (cm ²)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu\text{g}/\text{m}^3$)	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_A^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm ² /s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm ² /s)	Total overall effective diffusion coefficient, D_T^{eff} (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} ($\mu\text{g}/\text{m}^3$)	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., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻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

DATA ENTRY SHEET

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 ($\mu\text{g}/\text{m}^3$)	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 (°C)	ENTER Totals must add up to value of L_S (cell F24)			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)
Thickness of soil stratum A, h_A (cm)	Thickness of soil stratum B, (Enter value or 0) h_B (cm)	Thickness of soil stratum C, (Enter value or 0) h_C (cm)						
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 ($\text{g}/\text{cm} \cdot \text{s}^2$)	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 (°C)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Molecular weight, MW (g/mol)	Unit risk factor, URF (µg/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. ($\mu\text{g}/\text{m}^3$)	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_A^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm ² /s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm ² /s)	Total overall effective diffusion coefficient, D_T^{eff} (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} ($\mu\text{g}/\text{m}^3$)	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., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻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

DATA ENTRY SHEET

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 ($\mu\text{g}/\text{m}^3$)	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 (°C)	ENTER Totals must add up to value of L_S (cell F24)			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)
Thickness of soil stratum A, h_A (cm)	Thickness of soil stratum B, (Enter value or 0) h_B (cm)	Thickness of soil stratum C, (Enter value or 0) h_C (cm)						
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 ($\text{g}/\text{cm} \cdot \text{s}^2$)	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 (°C)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Molecular weight, MW (g/mol)	Unit risk factor, URF (µg/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. ($\mu\text{g}/\text{m}^3$)	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_A^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm ² /s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm ² /s)	Total overall effective diffusion coefficient, D_T^{eff} (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} ($\mu\text{g}/\text{m}^3$)	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., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻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

DATA ENTRY SHEET

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 ($\mu\text{g}/\text{m}^3$)	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 (°C)	ENTER Totals must add up to value of L_S (cell F24)			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)
Thickness of soil stratum A, h_A (cm)	Thickness of soil stratum B, (Enter value or 0) h_B (cm)	Thickness of soil stratum C, (Enter value or 0) h_C (cm)						
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 ($\text{g}/\text{cm} \cdot \text{s}^2$)	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 (°C)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Molecular weight, MW (g/mol)	Unit risk factor, URF (µg/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. ($\mu\text{g}/\text{m}^3$)	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_A^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D_B^{eff} (cm ² /s)	Stratum C effective diffusion coefficient, D_C^{eff} (cm ² /s)	Total overall effective diffusion coefficient, D_T^{eff} (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} ($\mu\text{g}/\text{m}^3$)	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., $C_{building}$ ($\mu\text{g}/\text{m}^3$)	Unit risk factor, URF ($\mu\text{g}/\text{m}^3$) ⁻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

APPENDIX F
RISK REDUCTION STANDARD CALCULATIONS

F-1

RISK REDUCTION STANDARD CALCULATIONS – 2016 UPDATES

APPENDIX X
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 (November 2015) of U.S. Environmental Protection Agency (USEPA) Regional Screening Level (RSL) tables (USEPA, 2015) 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, 2015). 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, 2015. Regional Screening Level Table, November 2015.

Table 1
Toxicity Values for Soil and Groundwater Constituents

PARAMETER	<u>Chronic Reference Dose</u>		<u>Cancer Slope Factor</u>		Weight of Evidence	Source for Chronic RfDs and SFs
	Oral (RfDo) (mg/kg/day)	Inhalation (RfDi) (mg/kg/day)	Oral (SFo) (mg/kg/day)-1	Inhalation (SFi) (mg/kg/day)-1		
<u>Volatile Organic Compounds (VOCs)</u>						
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
<u>Metals</u>						
Lead	ND	ND	ND	ND	NA	IRIS

SOURCES: EPA Regional Screening Level Table, November 2015.
 IRIS Integrated Risk Information System

Table 2
Type 1 through Type 4 Ground Water RRS, mg/L

Parameter	Chronic Reference Dose		Cancer Slope Factor		Source for Chronic Rfids and CSFs	Volatile? (a)	Type 1/ Type 3 (mg/L)	Type 2 Standard (mg/L)		Type 2 Standard (mg/L)		Type 2 Overall	Overall Residential	Type 4 (mg/L)		Type 4 Overall IW	Overall Nonresidential IW
	Oral (mg/kg/day)	Inhalation (mg/kg/day)	Oral (mg/kg/day)-1	Inhalation (mg/kg/day)-1				Adult Noncarcinogenic	Carcinogenic	Child Noncarcinogenic	Carcinogenic			Noncarcinogenic	Carcinogenic		
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):
$$C = \frac{THI \times BW \times AT \times 365days/year}{EF \times ED \times [(1/RfDi \times K \times IRa) + (1/RfDo \times IRw)]}$$

Where:
THI = Target Hazard Index =
BW = Body Weight =
AT = Averaging Time =
EF = Exposure Frequency =

ED = Exposure Duration =
RfDi = Inhalation Reference Dose =
K = Volatilization Factor = 0.0005 x 1000 L/m3 =
IRa = Inhalation Rate for Air =
RfDo = Oral Reference Dose =
IRw = Ingestion Rate for Water =
TR = Target Risk =

SFo = Oral Cancer Slope Factor =
SFi = Inhalation Cancer Slope Factor =

Equation 1 (Carcinogens):
$$C = \frac{TR \times BW \times AT \times 365days/year}{EF \times ED \times [(SFi \times K \times IRa) + (SFo \times IRw)]}$$

Type 2 Adult	Type 2 Parameters Child	Type 4 Industrial Worker Parameters
1	1	1
70 kg	15 kg	70 kg
30 years (noncarc.); 70 (carc)	6	25 years for noncarcinogens; 70 years for carc.
350 days/year	350 days/year	250 day/year
30 years	6 years	25 year
Chemical Specific	Chemical Specific	Chemical Specific
0.5 L/m3	0.5 L/m3	0.5 L/m3
15 m3/day	15 m3/day	20 m3/day
Chemical Specific	Chemical Specific	Chemical Specific
2 L/day	1 L/day	1 L/day
0.00001	0.00001	0.00001
Chemical Specific	Chemical Specific	Chemical Specific
Chemical Specific	Chemical Specific	Chemical Specific

Table 3
Type 1 and Type 3 Soil RRS, mg/kg

PARAMETER	Volatilization Factor (m³/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		Risk-Based Soil Type 1 RRS (mg/kg) (g)	Overall Type 1 RRS (mg/kg) (h)	Risk-Based Nonresidential Type 3		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)
							Noncarcinogenic (mg/kg) (e)	Carcinogenic (mg/kg) (f)			Noncarcinogenic (mg/kg) (e)	Carcinogenic (mg/kg) (f)			
<u>Volatile Organic Compounds (VOCs)</u>															
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
<u>Metals</u>															
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)
$$\frac{\text{THI} \times \text{BW} \times \text{ATn} \times 365 \text{days/year}}{\text{EF} \times \text{ED} \times \left[\left(\frac{1}{\text{RfDi}} \times \left(\frac{1}{\text{VF}} + \frac{1}{\text{PEF}} \right) \times \text{InhR} \right) + \left(\frac{1}{\text{RfDo}} \times \text{Irs} \times \text{CF} \right) \right]}$$

(f)
$$\frac{\text{TR} \times \text{BW} \times \text{ATc} \times 365 \text{days/year}}{\text{EF} \times \text{ED} \times \left[\left(\text{SFi} \times \left(\frac{1}{\text{VF}} + \frac{1}{\text{PEF}} \right) \times \text{InhR} \right) + \left(\text{SFo} \times \text{Irs} \times \text{CF} \right) \right]}$$

- (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

<u>Exposure Parameters</u>	Residential	Nonresidential	<u>Unit</u>
	<u>Type 1</u>	<u>Type 3</u>	
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	m³/day
Particulate Emission Factor (PEF)	4.63E+09	4.63E+09	m³/kg
Conversion Factor (CF)	1.E-06	1.E-06	kg/mg
Volatilization Factor (VF)	Chemical-specific	Chemical-specific	m³/kg

Table 4
Soil to Ground water Leachability

	K_d (L/kg) (1)	K_{oc} (L/kg) (2)	Source	θ_w	θ_a	H' (unitless)	$\theta_w + \theta_a \cdot H' / \rho_b$	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. K_d values taken from USEPA Regional Screening Table User's Guide.

2. K_{oc} values taken from the EPA RSL Chemical-specific Parameters Supporting Table November 2015 unless otherwise noted. $K_d = K_{oc} \cdot f_{oc}$ where f_{oc} equals 0.002.

3. Pathway Type 1/3 C_s = (K_d + $\theta_w + \theta_a \cdot H' / \rho_b$) x Type 1/3 Groundwater RRS.

4. Pathway Type 4 C_s = (K_d + $\theta_w + \theta_a \cdot H' / \rho_b$) 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:

θ_w Water-filled soil porosity = 0.3 (L/L)

θ_a Air-filled soil porosity = 0.13 (L/L)

H' Dimensionless Henry Law Constant (HLC x 41) (unitless)

ρ_b 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

Table 5
Type 2 Soil RRS, mg/kg

PARAMETER	Volatilization Factor (m³/kg)	Residential Leaching DAF=1 (mg/kg)	Risk-Based Residential Child		Risk-Based Residential Adult		Risk-Based Soil Type 2 RRS (mg/kg) (c)	Overall Type 2 RRS DAF=1 (mg/kg) (d)
			Noncarcinogenic (mg/kg) (a)	Carcinogenic (mg/kg) (b)	Noncarcinogenic (mg/kg) (a)	Carcinogenic (mg/kg) (b)		
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)
$$\frac{\text{THI} \times \text{BW} \times \text{ATn} \times 365\text{days/year}}{\text{EF} \times \text{ED} \times [(1/\text{RfDi} \times (1/\text{VF} + 1/\text{PEF}) \times \text{InhR}) + (1/\text{RfDo} \times \text{Irs} \times \text{CF})]}$$

(b)
$$\frac{\text{TR} \times \text{BW} \times \text{ATc} \times 365\text{days/year}}{\text{EF} \times \text{ED} \times [(\text{SFi} \times (1/\text{VF} + 1/\text{PEF}) \times \text{InhR}) + (\text{SFo} \times \text{Irs} \times \text{CF})]}$$

(c) Minimum of noncarcinogenic and carcinogenic concentrations.
(d) Minimum concentration of Leaching Value and Risk-based Value.

Exposure Parameters

Total Hazard Index (THI)
Target Risk (TR)
Body Weight (BW)
Averaging Time, Carcinogen (ATc)
Averaging Time, Noncarcinogen (ATn)
Exposure Duration (ED)
Exposure Frequency (EF)
Soil Ingestion Rate (IRs)
Air Inhalation Rate (InhR)
Particulate Emission Factor (PEF)
Conversion Factor (CF)
Volatilization Factor (VF)

Residential Child Type 2	Residential Adult Type 2
1	1
1.E-05	1.E-05
15	70
70	70
6	30
6	30
350	350
200	100
15	20
4.63E+09	4.63E+09
1.E-06	1.E-06
Chemical-specific	Chemical-specific

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		Risk-Based Soil IW Type 4 RRS (mg/kg) (c)	Overall IW Type 4 RRS DAF=1 (mg/kg) (d)
			Noncarcinogenic (mg/kg) (a)	Carcinogenic (mg/kg) (b)		
<u>Volatile Organic Compounds (VOCs)</u>						
Tetrachloroethene	2645	0.044	152	410	152	0.044
Trichloroethene	2450	0.0019	7.1	24	7.1	0.0019
<u>Metals</u>						
Lead	NA	960	1300	ND	1300	960

Notes:

RRS Risk Reduction Standard
DAF Dilution Attenuation Factor

- (a)
$$\frac{\text{THI} \times \text{BW} \times \text{ATn} \times 365\text{days/year}}{\text{EF} \times \text{ED} \times [(1/\text{RfDi} \times (1/\text{VF} + 1/\text{PEF}) \times \text{InhR}) + (1/\text{RfDo} \times \text{Irs} \times \text{CF})]}$$
- (b)
$$\frac{\text{TR} \times \text{BW} \times \text{ATc} \times 365\text{days/year}}{\text{EF} \times \text{ED} \times [(\text{SFi} \times (1/\text{VF} + 1/\text{PEF}) \times \text{InhR}) + (\text{SFo} \times \text{Irs} \times \text{CF})]}$$
- (c) Minimum of noncarcinogenic and carcinogenic concentrations.
(d) Minimum concentration of Leaching Value and Risk-based Value.

Exposure Parameters

Total Hazard Index (THI)
Target Risk (TR)
Body Weight (BW)
Averaging Time, Carcinogen (ATc)
Averaging Time, Noncarcinogen (ATn)
Exposure Duration (ED)
Exposure Frequency (EF)
Soil Ingestion Rate (IRs)
Air Inhalation Rate (InhR)
Particulate Emission Factor (PEF)
Conversion Factor (CF)
Volatilization Factor (VF)

Industrial Worker Type 4		Unit
	1	unitless
	1.E-05	unitless
	70	kg
	70	yrs
	25	yrs
	25	yrs
	250	days/yr
	50	mg/day
	20	m3/day
	4.63E+09	m3/kg
	1.E-06	kg/mg
Chemical-specific		m3/kg

Table 7
Derivation of VF Factors (Soil-to-Air Volatilization Factor)
Based on Regional Screening Level Chemical-specific Parameters Supporting Table November 2015

Analyte	CAS No.	MW	H [*] (unitless)	HLC (atm- m ³ /mole)	Density (g/cm ³)	Dia (cm ² /s)	Diw (cm ² /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 (m³/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 =

V = wind speed in mixing zone =

DH = diffusion height =

A = area of contamination =

T = exposure interval =

Dei = effective diffusivity (cm²/s) =

P = air filled soil porosity (unitless) =

Kas = soil/air partition coefficient (g soil/cm³ air) =

Conversion factor =

p = True soil density or particulate density =

45 m (default)

2.25 m/s (default)

2 m

20,250,000 cm² (default)

790000000 s = 25 yrs

Chemical Specific

0.35 (default)

Chemical Specific

0.001 kg/g

2.65 g/cm³ (default)

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
<u>Volatile Organic Compounds (VOCs)</u>					
Tetrachloroethene	0.50	0.0086	0.5	0.5	152
Trichloroethene	0.50	0.0018	0.5	0.5	7.1
<u>Metals</u>					
Lead	75	409	400	400	1300

Risk-Based RRS - Based on direct contact RRS. Leaching to be addressed through an environmental covenant.

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	95 th 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).**

$$\text{PRG} = \frac{[(\text{PbB}_{\text{fetal},0.95} / (\text{R} * (\text{GSD}_i^{1.645}))) - \text{PbB}_0] - (\text{C}_w * \text{I}_w * \text{A}_w)] * (\text{IR}_S * \text{AF}_S)^{-1}}{\text{BKSF} * (\text{EF}/\text{AT})}$$

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

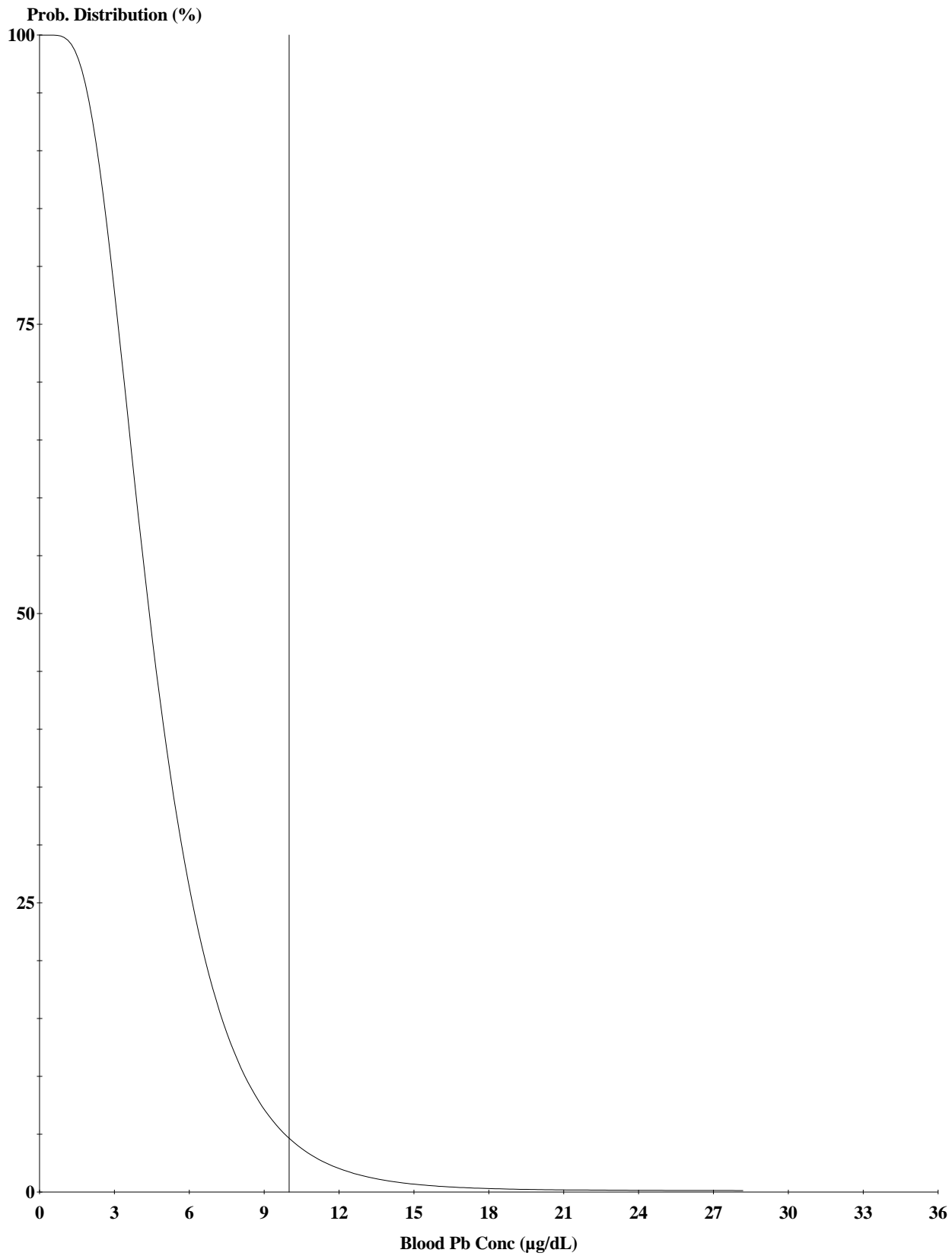
***** Maternal Contribution: Infant Model *****

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

F-2

RISK REDUCTION STANDARD CALCULATION 2012

Table 1
Toxicity Values for Soil and Groundwater Constituents

PARAMETER	Chronic Reference Dose		Cancer Slope Factor		Weight of Evidence	Source for Chronic RfDs and SFs
	Oral (RfDo) (mg/kg/day)	Inhalation (RfDi) (mg/kg/day)	Oral (SFo) (mg/kg/day)-1	Inhalation (SFi) (mg/kg/day)-1		
<u>Volatile Organic Compounds (VOCs)</u>						
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
<u>Semi-volatile Organic Compounds</u>						
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
<u>Metals</u>						
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

Table 2
Type 1 through Type 4 Ground Water RRS, mg/L

Parameter	Chronic Reference Dose		Cancer Slope Factor		Source for Chronic RfDs and CSFs	Volatile? (a)	Type 1/ Type 3 (mg/L)	Type 2 Standard (mg/L)		Type 2 Standard (mg/L)		Type 2 Overall	Overall Residential	Type 4 (mg/L)		Type 4 Overall IW	Overall Nonresidential IW
	Oral (mg/kg/day)	Inhalation (mg/kg/day)	Oral (mg/kg/day)-1	Inhalation (mg/kg/day)-1				Adult Noncarcinogenic	Carcinogenic	Child Noncarcinogenic	Carcinogenic			Noncarcinogenic	Carcinogenic		
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	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	ND	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	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	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	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	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):

$$C = \frac{THI \times BW \times AT \times 365 \text{days/year}}{EF \times ED \times [(1/RfDi \times K \times IRa) + (1/RfDo \times IRw)]}$$

Where:

THI = Target Hazard Index =
BW = Body Weight =
AT = Averaging Time =
EF = Exposure Frequency =

ED = Exposure Duration =
RfDi = Inhalation Reference Dose =
K = Volatilization Factor = 0.0005 x 1000 L/m3 =
IRa = Inhalation Rate for Air =
RfDo = Oral Reference Dose =
IRw = Ingestion Rate for Water =
TR = Target Risk =

SFo = Oral Cancer Slope Factor =
SF_i = Inhalation Cancer Slope Factor =

Equation 1 (Carcinogens):

$$C = \frac{TR \times BW \times AT \times 365 \text{days/year}}{EF \times ED \times [(SF_i \times K \times IRa) + (SF_o \times IRw)]}$$

Type 2 Adult

1
70 kg
30 years (noncarc.); 70 (carc)
350 days/year

30 years
Chemical Specific
0.5 L/m3
15 m3/day
Chemical Specific
2 L/day
0.00001

Chemical Specific
Chemical Specific

Type 2 Parameters Child

1
15 kg
6
350 days/year

6 years
Chemical Specific
0.5 L/m3
15 m3/day
Chemical Specific
1 L/day
0.00001

Chemical Specific
Chemical Specific

Type 4 Industrial Worker Parameters

1
70 kg
25 years for noncarcinogens; 70 years for carc.
250 day/year

25 year
Chemical Specific
0.5 L/m3
20 m3/day
Chemical Specific
1 L/day
0.00001

Chemical Specific
Chemical Specific

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) (i)	Risk-Based Nonresidential Type 3 Carcinogenic (mg/kg) (j)	Risk-Based Soil Type 3 RRS (mg/kg) (k)	Subsurface Soil Type 3 RRS (mg/kg) (l)	Surface Soil Type 3 RRS (mg/kg) (m)
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	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	7.84E+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	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	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	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	1.4E+02	3.2E+02	ND	3.2E+02	5.0E-01	1.5E+02	4.1E+02	4.1E+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-01	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 (Dist)	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	2.9E+01	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	ND	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 1 groundwater RRS.
(d) Value is the highest of the Appendix I value and the groundwater RRS x 100.

(e)
$$\frac{THI \times BW \times A \times 365 \text{ days/year}}{EF \times ED \times [(1/RI) \times (1/VT + 1/PEF) \times \ln(R) + (1/RI) \times I \times CF]}$$

(f)
$$\frac{TR \times BW \times A \times 365 \text{ days/year}}{EF \times ED \times [(SFI) \times (1/VT + 1/PEF) \times \ln(R) + (SFI) \times I \times CF]}$$

- (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	yr
Averaging Time, Noncarcinogen (ATn)	30	25	yr
Exposure Duration (ED)	30	25	yr
Exposure Frequency (EF)	350	250	days/yr
Soil Ingestion Rate (IRS)	114	50	mg/day
Air Inhalation Rate (InIR)	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

Table 4
Soil to Ground water Leachability

	K _d (L/kg) (1)	K _{oc} (L/kg) (2)	Source	O _w	O _a	H [†] (unitless)	Ow+Oa*H [†] /b _s	Groundwater Type 1/3 RRS (C _u , mg/L)	C _u *I	Pathway Type 1/3 C _s (mg/kg) (3)	Groundwater Type 2 RRS (C _u , mg/L)	C _u *I	Pathway Type 2 C _s (mg/kg) (4)	Residential Soil Leaching Criteria (5)	Industrial Worker Groundwater Type 4 RRS (C _u , mg/L)	C _u *I	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	5.0E-01	1.2E+00	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																		
Acephenanthrene	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
Acephenanthylene	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 + O_w+O_a*H[†]/b_s) x Type 1/3 Groundwater RRS.

4. Pathway Type 4 C_s = (Kd + O_w+O_a*H[†]/b_s) 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:

O_w Water-filled soil porosity = 0.3 (L/L)

O_a Air-filled soil porosity = 0.13 (L/L)

H[†] Dimensionless Henry Law Constant (HLC x 41) (unitless)

b_s Dry soil bulk density = 1.5 kg/L

RRS Risk Reduction Standard

C_u 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

Table 5
Type 2 Soil RRS, mg/kg

PARAMETER	Volatilization Factor (m ³ /kg)	Residential Leaching DAF=1 (mg/kg)	Risk-Based Residential Child		Risk-Based Residential Adult		Risk-Based Soil Type 2 RRS (mg/kg) (c)	Overall Type 2 RRS DAF=1 (mg/kg) (d)
			Noncarcinogenic (mg/kg) (a)	Carcinogenic (mg/kg) (b)	Noncarcinogenic (mg/kg) (a)	Carcinogenic (mg/kg) (b)		
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)
$$\frac{\text{THI} \times \text{BW} \times \text{ATn} \times 365\text{days/year}}{\text{EF} \times \text{ED} \times [(1/\text{RfDi} \times (1/\text{VF} + 1/\text{PEF}) \times \text{InhR}) + (1/\text{RfDo} \times \text{Irs} \times \text{CF})]}$$

(b)
$$\frac{\text{TR} \times \text{BW} \times \text{ATc} \times 365\text{days/year}}{\text{EF} \times \text{ED} \times [(S\text{Fi} \times (1/\text{VF} + 1/\text{PEF}) \times \text{InhR}) + (S\text{Fo} \times \text{Irs} \times \text{CF})]}$$

(c) Minimum of noncarcinogenic and carcinogenic concentrations.
(d) Minimum concentration of Leaching Value and Risk-based Value.

Exposure Parameters

Total Hazard Index (THI)
Target Risk (TR)
Body Weight (BW)
Averaging Time, Carcinogen (ATc)
Averaging Time, Noncarcinogen (ATn)
Exposure Duration (ED)
Exposure Frequency (EF)
Soil Ingestion Rate (IRs)
Air Inhalation Rate (InhR)
Particulate Emission Factor (PEF)
Conversion Factor (CF)
Volatilization Factor (VF)

Residential Child Type 2	Residential Adult Type 2
1	1
1.E-05	1.E-05
15	70
70	70
6	30
6	30
350	350
200	100
15	20
4.63E+09	4.63E+09
1.E-06	1.E-06
Chemical-specific	Chemical-specific

Table 6
Type 4 Soil RRS, mg/kg
Default Industrial Worker

Default Industrial Worker						
PARAMETER	Volatilization Factor (m³/kg)	Nonresidential Leaching DAF=1 (mg/kg)	Risk-Based Industrial Worker		Risk-Based Soil IW Type 4 RRS (mg/kg) (c)	Overall IW Type 4 RRS DAF=1 (mg/kg) (d)
			Noncarcinogenic (mg/kg) (a)	Carcinogenic (mg/kg) (b)		
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) $\frac{THI \times BW \times ATn \times 365 \text{ days/year}}{EF \times ED \times [(1/RfD) \times (1/VF + 1/PEF) \times InhR] + (1/RfDo \times lrs \times CF)}$
- (b) $\frac{TR \times BW \times ATc \times 365 \text{ days/year}}{EF \times ED \times [(SFi \times (1/VF + 1/PEF) \times InhR) + (Sfo \times lrs \times CF)]}$
- (c) Minimum of noncarcinogenic and carcinogenic concentrations.
- (d) Minimum concentration of Leaching Value and Risk-based Value.

Exposure Parameters

Total Hazard Index (THI)
Target Risk (TR)
Body Weight (BW)
Averaging Time, Carcinogen (ATc)
Averaging Time, Noncarcinogen (ATn)
Exposure Duration (ED)
Exposure Frequency (EF)
Soil Ingestion Rate (IRs)
Air Inhalation Rate (InhR)
Particulate Emission Factor (PEF)
Conversion Factor (CF)
Volatilization Factor (VF)

Industrial Worker

Type 4	Unit
1	unitless
1.E-05	unitless
70	kg
70	hrs
25	hrs
25	hrs
250	days/yr
50	mg/day
20	m ³ /day
4.63E+09	m ³ /kg
1.E-06	kg/mg
Chemical-specific	m ³ /kg

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
<u>Volatile Organic Compounds (VOCs)</u>					
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
<u>SVOCS</u>					
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
<u>Metals</u>					
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

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 ² /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 (m³/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 =

V = wind speed in mixing zone =

DH = diffusion height =

A = area of contamination =

T = exposure interval =

Dei = effective diffusivity (cm²/s) =

P = air filled soil porosity (unitless) =

Kas = soil/air partition coefficient (g soil/cm³ air) =

Conversion factor =

p = True soil density or particulate density =

$$(3.14 \times Y \times T)^{1/2}$$

45 m (default)

2.25 m/s (default)

2 m

20,250,000 cm² (default)

790000000 s = 25 yrs

Chemical Specific

0.35 (default)

Chemical Specific

0.001 kg/g

2.65 g/cm³ (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	Values for
				Industrial Worker	Industrial Worker
				Using Equation 1	Using Equation 1
				GSDi = 2.04	GSDi = 1.8 (a)
PbB _{fetal, 0.95}	X	95 th 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).**

$$PRG = \frac{([PbB_{fetal,0.95}/(R*(GSD_i^{1.645}))]-PbB_0) - (C_w*I_w*A_w)] * (IR_s*AF_s)^{-1}}{BKSF*(EF/AT)}$$

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 ($\mu\text{g Pb/g}$)	House Dust ($\mu\text{g Pb/g}$)
.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 ($\mu\text{g Pb/day}$)
.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

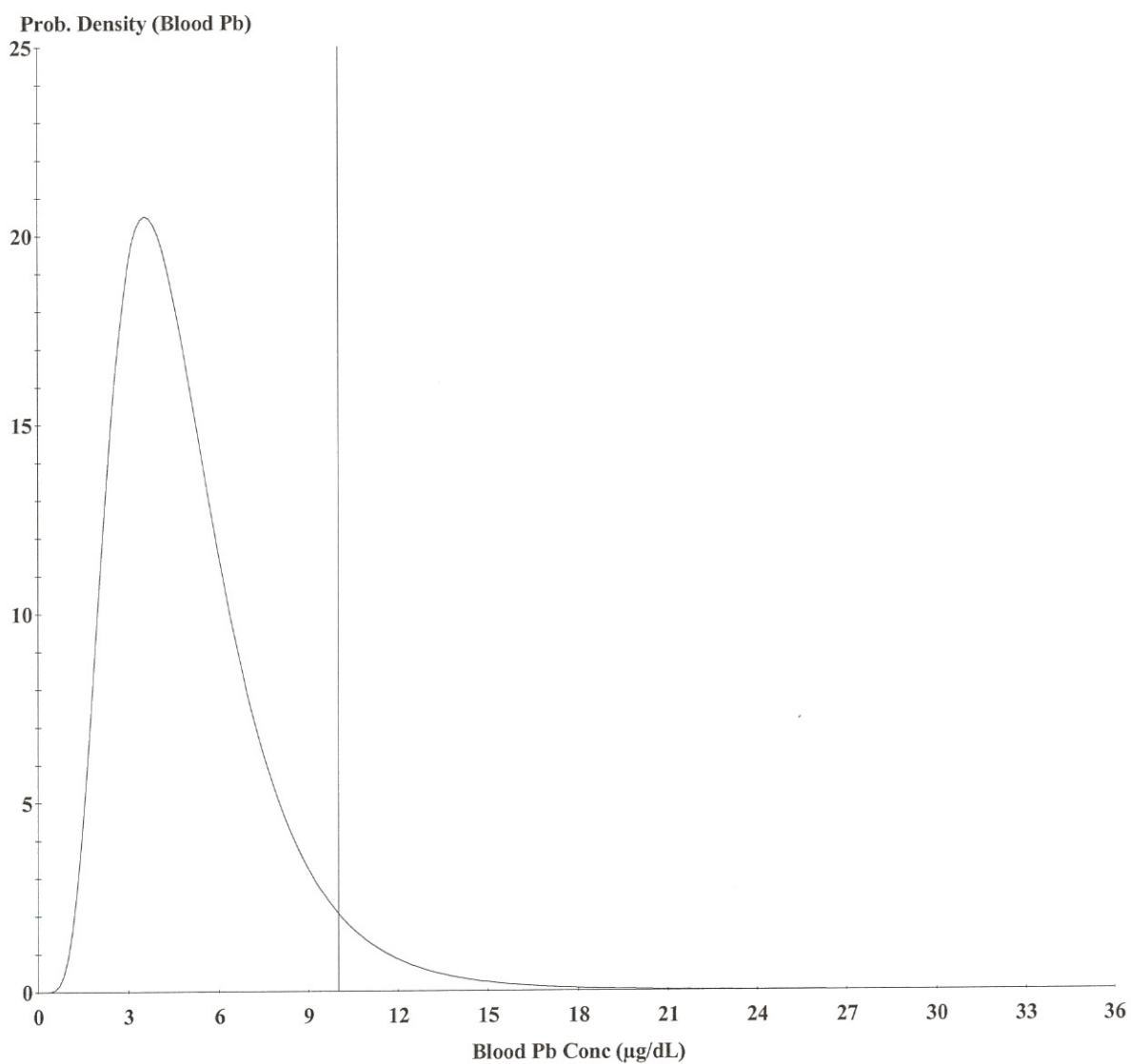
***** Maternal Contribution: Infant Model *****

Maternal Blood Concentration: 1.000 $\mu\text{g Pb/dL}$

CALCULATED BLOOD LEAD AND LEAD UPTAKES:

Year	Air ($\mu\text{g/day}$)	Diet ($\mu\text{g/day}$)	Alternate ($\mu\text{g/day}$)	Water ($\mu\text{g/day}$)
.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 ($\mu\text{g/day}$)	Total ($\mu\text{g/day}$)	Blood ($\mu\text{g/dL}$)
.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

912-964-2812

31.101420787

2204058

1. Introduction

INVOICE

QTY.	UNIT	SCALE IN SCALE OUT	GROSS WEIGHT TARE WEIGHT	NET TONS NET WEIGHT	14.13 28,260	INBOUND
1.00	EA					
20.00	YD					
14.13	TN					
1.00						
1.00						

U.S. PATENT OFFICE

התאחדות

12

NET AMOUNT

TENDERED

CHANGE

ЧЕКА



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO			q. Signature <i>Paul Gazzo</i>	r. Date 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) NATHAN R. JENSEN			d. Signature <i>Nathan Jensen</i>	e. Date 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 Curran Blvd Port Wentworth, GA 31407		b. Phone: 912.954.2812	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) <i>M. C.</i>		f. Signature <i>M. C.</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 943186

OFFICE 01 943186

Michelle J.

DATE/TIME IN 12-09-2014 7:47 am

DATE/TIME OUT 12-9-2014 7:47 am

CONTAINER

INVOICE

NET TONS 17.61
NET WEIGHT 35,220

GROSS WEIGHT 56,700
TARE WEIGHT 21,480

SCALE IN
SCALE OUT

DESCRIPTION

CHATHAM COUNTY REGION

FEE-HAUL/TRANS/TRUCK

SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

QTY	UNIT
17.61	EA
20.00	YD
17.61	TN
1.00	
1.00	

TOTAL

TAX

EXTENSION

RATE

NET AMOUNT

TENDERED

CHANGE

CHECK#

Michelle J.

12/9/2014

The undersigned hereby certifies that the information furnished herein is true and correct to the best of his knowledge and belief.

Signature of Driver



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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.

PAUL GAZZ *Paul Gazz AS Agent for Generator* 12/9/14

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		
b. Phone: 912.412.2402		
c. Driver Name (Print)	d. Signature	e. Date
X SHERRILL V. HINES	X Sherrill V. Hines	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 Clinton Blvd Port Wentworth, GA 31407		c. US EPA Number	d. Discrepancy Indication Space:
b. 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

01 943188 CELL
MICHELLE J.
12-09-2014 7:55 AM
BN-702
2204060
INVOICE

DATE/TIME OUT
12-9-2014 7:55 AM
CONTAINER

QTY	UNIT	DESCRIPTION	SCALE IN	GROSS WEIGHT	TARE WEIGHT	NET TONS	NET WEIGHT	INBOUND
13.86	FA	FEE-HAUL/TRANS/TRUCK	SCALE OUT	54,360	26,640	13.86	27,720	
20.00	YD	CHATHAM COUNTY REGION						
13.86	TN	CHATHAM COUNTY REGION						
1.00		SM-CONT SOIL						
1.00		ENVIRONMENTAL FEE 5						
1.00		FUEL RECOVERY FEE						

NET AMOUNT
TENOTRED
CHARGE
CHITNA

Handwritten signature



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN 702 1027 Bacon Road Milledgeville, GA 31313 912.412.2402		b. Phone:	
c. Driver Name (Print) Kevin Byrnes	d. Signature <i>K. Byrnes</i>	e. Date 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) <i>Michael</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 31327

A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943189

CELL.

MacInelle, J.
Duff: 1946 11

24-03-2014
OFFICE

BN-32

2204061
COL OF ENGINEERING

INVOICE

NET TONS	NET WEIGHT
17.23	34,460

UNBOUND

EXTENSION

TAX

TOTAL

FEE-HAUL/TRANS/TRUCK
SM-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL, RECOVERY FEE

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

NET AMOUNT

TEMPERED

CHANGE

 $\text{CH}_3\text{C}\equiv\text{C}\cdot$



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) <i>Clarence Little</i>	d. Signature <i>Clarence Little</i>	e. Date 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		b. 912.954.2812	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) <i>MA</i>		f. Signature <i>MA</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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 943199
MICHELLE J.
12-09-2014 8:35 am
TB-001
2204062
INVOICE

NET TONS 18.85
NET WEIGHT 37,700
TAX
TOTAL

GROSS WEIGHT 59,420
TARE WEIGHT 21,720

DESCRIPTION
CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

SCALE IN
SCALE OUT

UNIT
EA
YD
TN
1.00
1.00

FEE-HAUL/TRANS/TRUCK
SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

NET AMOUNT
TENDERED
CHANGE
CHECKS

By the undersigned individual appearing before me, the undersigned, the terms and conditions of the contract are hereby acknowledged and accepted by the undersigned.

[Signature]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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.					
PAULGAZZO		Paul Gazzo (As Agent for Generator)		12/9/14	
p. Generator Authorized Agent Name (Print)		q. Signature		r. Date	

II. TRANSPORTER (Generator completes IIa-f and Transporter completes IIc-e)

a. Transporter's Name and Address: B&B Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		b. Phone:	
c. Driver Name (Print) L. A. T. H. L. R. C. H. E. R. T. E. R.		d. Signature [Signature]	
e. Date 12/9/14		f. Date 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 912.954.2812		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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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 943203

WALSH
MICHELLE J.

12-09-2014 8:51 am

BN-32

2204063

INVOICE

SCALE IN GROSS WEIGHT 60,140
SCALE OUT TARE WEIGHT 24,000

NET TONS 18.07
NET WEIGHT 36,140

INBOUND

QTY

UNIT

DESCRIPTION

RATE

EXTENSION

TAX

TOTAL

18.07 EA
0.00 YD

FEE-HAUL/TRANS/TRUCK

CHATHAM COUNTY REGION

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 hereby certifies that the above information is true and correct and that the same has been read and understood by the owner and conditions of the invoice are hereby accepted.

Signature



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) <i>Therese Little</i>	d. Signature <i>Therese Little</i>	e. Date 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		b. 912.954.2812	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) <i>M. O'Connell</i>		f. Signature <i>M. O'Connell</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	943209	
WEIGHMASTER		
Michelle J.		
DATE/TIME IN	DATE/TIME OUT	
12-09-2014 9:07 am	12-9-2014 9:07 am	
VEHICLE	CONTAINER	
BN-22		
REFERENCE		
2204065		
BILL OF LADING	INVOICE	

SCALE IN	SCALE OUT	GROSS WEIGHT	TARE WEIGHT	NET TONS	NET WEIGHT	INBOUND
		64,100	21,480	21.31	42,620	
QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.31	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
21.31	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

NET AMOUNT

TENDERED

CHANGE

CHECK

I hereby acknowledge that I am signing this document on behalf of the customer and understand the terms and conditions of the invoice and that I have the authority to sign this document on behalf of the customer.

[Handwritten signature]

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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		
c. Driver Name (Print) Shoreen L. Hies	d. Signature <i>Shoreen L. Hies</i>	e. Date 12/19/14

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		b. 912.954.2812	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) <i>M. Ouellet</i>		f. Signature <i>M. Ouellet</i>		g. Date 12/19/14

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

SITE	TICKET #	CELL
01	943204	
WEIGHMASTER		
Michelle J.		
DATE/TIME IN	DATE/TIME OUT	
12-09-2014 8:54 am	12-9-2014 8:54 am	
VEHICLE	CONTAINER	
BN-702		
REFERENCE		
2204064		
BILL OF LADING	INVOICE	

SCALE IN	GROSS WEIGHT	58,960	NET TONS	16.16
SCALE OUT	TARE WEIGHT	26,640	NET WEIGHT	32,320

INBOUND

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.16	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
16.16	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

NET AMOUNT

TENDERED

CHANGE

CHECK

I, the undersigned individual signing this document on behalf of Customer, acknowledge that he or she has read and understands the terms and conditions of the reverse side and that he or she has the authority to sign this document on behalf of the customer.

K. B. [Signature]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) Paul Gazzo		q. Signature Paul Gazzo AS Agent For Generator		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: B&B Moving 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) Kevin Byones	d. Signature K. Byones	e. Date 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		b. US EPA Number 912.964.2812	c. 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) Mike		f. Signature Mike	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)			

*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.	
I. Signature	I. Date



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo AS Agent For (Generator)</i>		r. Date 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			b. Phone:		
c. Driver Name (Print) NATHAN BOUTER			d. Signature <i>Nathan Bouter</i>		e. Date 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 912.954.2812		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) Mike		f. Signature <i>Mike</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 01 01 01

Michael J.

12-09-2011 01:00:00

BN-707

22404068

UNIT OF LABOR

INVOICE

SCALE IN
SCALE OUT

GROSS WEIGHT 65,220
TARE WEIGHT 26,640

NET TONS
NET WEIGHT

19.29
38,580

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.29	EA	PER-HAUL/TRANS/TRUCK				
20.00	YD					
19.29	TN	TW-COIT SOIL				
1.00		ENVIRONMENTAL FEE				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

The undersigned hereby certifies that the information on this invoice is true and correct, and that he or she has read and understands the terms and conditions of the reverse side and that he or she agrees to sign this document on behalf of the company.

10-1-11 10:00:00

SIGNATURE

K. B. B. B.

TERMINO

CHARGE

CHECK



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature Paul Gazzo		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) Kevin Byrnes		d. Signature K Byrnes	
e. Date 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		b. Phone: 912.964.2812	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) V. M. L.		f. Signature V. M. L.		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
 3101420787

SOIL: 01
 MICNET: 943223
 CELL:
 MICHAEL 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	GROSS WEIGHT	61,300	NET TONS	18.65
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	37,300
QTY:	UNIT	DESCRIPTION	RATE	EXTENSION
18.65	EA	FEE-HAUL/TRANS/TRUCK		
0.00	YD	CHATHAM COUNTY REGION		
18.65	TN	SW-CONT SOIL		
1.00		ENVIRONMENTAL FEE 5		
1.00		FUEL RECOVERY FEE		
		CHATHAM COUNTY REGION		

INBOUND

TAX TOTAL

NET AMOUNT

ITINERARY
 CHARGE
 CHECK

Handwritten signature

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZARD		q. Signature <i>Paul Gazzard</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: B&D Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) Clarence Little	d. Signature <i>Clarence Little</i>	e. Date 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		b. 912.954.2812	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) <i>Michael</i>		f. Signature <i>Michael</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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			

CHATHAM REGIONAL LANDFILL
34 CHATEAU BLVD
PORT WENTWORTH, GA 31296-2812

100014

A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3101420787

SCALE IN
SCALE OUT

GROSS WEIGHT 60,980
TARE WEIGHT 21,480

QTY UNIT
19.75 EA
20.00 YD
19.75 TN
1.00
1.00

DESCRIPTION

FEE-HAUL/TRANS/TRUCK
SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

NET TONS
NET WEIGHT

10.75
39,500

INBOUND

EXTENSION TAX TOTAL

DATE/TIME OUT
12-9-2014 10:03 am
CONTAINER

INVOICE

The truck required no additional payment upon this invoice on behalf of Chatham Landfills. That fee or the fee total will automatically be billed to the customer on the invoice side and that he or she has the authority to sign this document on behalf of the customer.

Printed by: 12/9/14

SIGNATURE

Travis Killebrew

NET AMOUNT

TENDERED

CHANGE

CHECKS

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	Type	n. Total Quantity
31101420787		Non-Regulated Soil	1	Dump	Tons
<p>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>					
p. Generator Authorized Agent Name (Print) PAUL GAZZO			q. Signature <i>Paul Gazzo</i> AS Agent for generator		r. Date 12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			b. Phone: 912.412.2402		
c. Driver Name (Print) X SHARREL LITTLE			d. Signature <i>Sharrel Little</i>		e. Date 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		b. Phone: 912.964.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> Both % Friable % Non-Friable			
<p>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.</p>			
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
103014
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

NET TONS 20.83
NET WEIGHT 41,660
GROSS WEIGHT 63,380
TARE WEIGHT 21,720

INBOUND

TOTAL

EXTENSION

TAX

DESCRIPTION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

FEE-HAUL/TRANS/TRUCK
SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

QTY.	UNIT
20.83	EA
20.00	YD
20.83	TN
1.00	
1.00	

NET AMOUNT

TENDERED

CHANGE

CHECK#

Michelle

By: Michelle J. (Signature)
on the 9th day of December, 2014

103014

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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		
b. Phone: 912.412.2402		
c. Driver Name (Print) NATHAN RUTZ	d. Signature <i>Nathan Rutz</i>	e. Date 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		b. Phone: 912.964.2812	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) M. A.		f. Signature <i>M. A.</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 31407

912-964-2812

Environmental Services, LLC
1111 College Parkway, SE
Atlanta, GA 30316

QTY	UNIT	DESCRIPTION	WEIGHT	NET TON	NET WEIGHT
19.72	EA	GRASS	63,440	19.72	63,440
0.00	YD	TARPS	24,000		
19.72	TN	PER-HAUL TRAILER TRUCK			
1.00		3W-COUP 2011			
1.00		ENVIRONMENTAL FEE			
		FUEL RECOVERY FEE			

INVOICE

INBOUND

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

TAX TOTAL

NET AMOUNT

TENDERED
CHANGE
CHECKS

SIGNATURE *Karen L.*

The undersigned individual hereby certifies that the information provided on this invoice is true and correct to the best of my knowledge and belief. I am the owner or authorized representative of the company that is the subject of this invoice.



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GA 220			q. Signature Paul G. (AS Agent for Generator)		r. Date 12/9/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) Clarence Little	d. Signature Clarence Little	e. Date 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		b. 912.954.2812	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) M. A.		f. Signature M. A.		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

SUB

CHATHAM REGIONAL LANDFILL

11 CLIFFTOP BLVD

PO BOX 1000000, SA 912-964-2812

CUSTOMER

100014

A & B Environmental Services, Inc.

1741 Valley Parkway Rd.

Los Angeles, CA 90014

4101420787

SUB

01 943244

REGISTER

Michelle J.

12-09-2014 10:42 am

12-20

2204072

10101420787

INVOICE

SCALE IN	GROSS WEIGHT	NET TONS
SCALE OUT	TARE WEIGHT	NET WEIGHT
	22,080	41,000

11101420787

QTY

UNIT

DESCRIPTION

RATE

EXTENSION

TAX

TOTAL

20.50

EA

FEE-HAND/TRUCK

CHATHAM COUNTY REGION

20.00

YD

SW-CONT 2011

CHATHAM COUNTY REGION

20.50

TN

ENVIRONMENTAL FEE

1.00

FUEL RECOVERY FEE

1.00

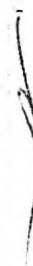
NET AMOUNT

TAXES

TOTAL

CH - 10

SIGNATURE



I hereby certify that the above information is true and correct to the best of my knowledge and belief.



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GARZO		q. Signature <i>Paul Garzo</i>		r. Date 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		
b. Phone: 912.412.2402		
c. Driver Name (Print) G. C. Lenderman	d. Signature <i>G. C. Lenderman</i>	e. Date 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		b. Phone: 912.954.2812	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) <i>W. C. Lenderman</i>		f. Signature <i>W. C. Lenderman</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

94 8254
 11:04 am
 11:04 am
 11:04 am

DATE TIME OUT
 12-9-2014
 11:04 am

INVOICE

EXTENSION

TAX

TOTAL

NET AMOUNT

11:04 am

11:04 am

11:04 am

GROSS WEIGHT
 20.72

TARE WEIGHT
 20.00

NET WEIGHT
 0.72

FREE-HAUL TRANS/TRUCK
 20.72

SW-CONT SOIL
 1.00

ENVIRONMENTAL FEE 5
 1.00

FUEL RECOVERY FEE
 1.00

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

The undersigned hereby certifies that the information furnished on this invoice is true and correct to the best of his knowledge and belief, and that he is duly qualified to make such statement.
 SIGNED: _____
 TITLE: _____

Signature: *Shawn D. Allen*
 Title: _____

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30018			
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. 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.					
PAUL GAZZO		Paul Gazzo (as Agent for generator)		12/19/14	
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: BN 22 1027 Bacon Road Hinesville, GA 31313 912.412.2402		b. Phone:	
c. Driver Name (Print) K SHARON LATHES		d. Signature K Sharon Lathes	
e. Date 12/19/14			

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		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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

CUSTOMER
 100014
 A & D Environmental Services, LLC
 1741 Calks Ferry Rd.
 Lexington, SC 29073
 3101420787

QTY	UNIT	DESCRIPTION
18.07	EA	SCALE IN
20.00	YD	SCALE OUT
18.07	TN	FEE-HAUL/TRANS/TRUCK
1.00		SW-CONT SOIL
1.00		ENVIRONMENTAL FEE
1.00		FUEL RECOVERY

GROSS WEIGHT 62,780
 TARE WEIGHT 26,640
 CHATHAM COUNTY REGION
 CHATHAM COUNTY REGION

NET TONS 18.07
 NET WEIGHT 36,140
 BN-702
 12-09-2014 11:06 am
 MICHELLE J.
 943255
 01

DATE TIME OUT 11:06 am
 12-9-2014
 CONTAINER
 INVOICE

EXTENSION	TAX	TOTAL

NET AMOUNT
 TENDERED
 CHANGE
 CHECKS

K. Brown

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/19/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) Kevin Byrnes	d. Signature <i>K. Byrnes</i>	e. Date 12/19/14

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		b. 912.954.2812	c. US EPA Number	d. Discrepancy Indication Space: <i>C</i>
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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 31404-1612

111114
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
11111420787

SITE	TRUCK #	CELL
01	943258	
WE	MASTER	
Susan D.		
DATE/TIME IN	DATE/TIME OUT	
12-09-2014 11:18 am	12-9-11	
VEHICLE	CONTAINER	
TB-001		
REFERENCE		
2204075		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	16,660	NET TONS	17.47
SCALE OUT	TARE WEIGHT	11,720	NET WEIGHT	34,940

QTY	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.47	EA FEE-HAUL/TRANS. TRUCK				
20.00	YD				
17.47	TN SW-CONT SOIL				
1.00	ENVIRONMENTAL FEE 3				
1.00	FUEL RECOVERY FEE				

NET AMOUNT

By signing this bill, the customer acknowledges that the service has been rendered and understands the terms and conditions of service. The customer also acknowledges that the service has been rendered and understands the terms and conditions of service.

2/21

SIGNATURE

[Handwritten Signature]

RECEIVED

CHARGE

CHECK#

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) NATHAN BOUTER			d. Signature <i>Nathan Bouter</i>		e. Date 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		b. 912.954.2842	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

Fig. 1. The effect of the concentration of the solution of the initiator on the rate of polymerization of α -methylstyrene in the presence of the initiator and the catalyst. The concentration of the catalyst was 0.001 mole/l. The concentration of the initiator was 0.001 mole/l. The concentration of the monomer was 0.01 mole/l. The temperature was 50°C. The time of polymerization was 10 min. The rate of polymerization was determined by the method of titration with potassium permanganate.

Figure 1 is a schematic representation of the experimental design. It shows a sequence of events: 'Stimulus presentation', 'Response', 'Feedback', and 'Inter-trial interval'. Arrows indicate the flow from one stage to the next. A 'Start' box points to the 'Stimulus presentation' box. A 'End' box points to the 'Inter-trial interval' box.

912-964-2117

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

[illegible]

1000

Susan D.

DATE: 1/15/16

12-09-2014 11:24 am

VEHICLE

BN-32

REFERENCE
2204076

BILL OF LADING

[illegible]

33,360

NET TONS

17.48

1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407</
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Figure 1

NET WEIGHT

34,960

 $\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

RATE

EXTENSION

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG). The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG).

THATHAM COUNTY REGION

CHATHAM COUNTY REGION

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
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[illegible]

I, _____, hereby acknowledge that I have read and understand the terms and conditions of the above contract and agree to sign this document on behalf of the company.

2/21

SIGNATURE

Charles L.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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.					
PAUL GA 220		Paul Gypolas Agent for Generator		12/19/14	
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: BN 32 1027 Bacon Road Hinesville, GA 31313 912.412.2402		b. Phone:	
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: Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812		b. US EPA Number	c. 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

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
14 CLIFTON BLVD
SAVANNAH, GA 31404-1111

STREET / TICKET / CELL
943266
RECEIVED
JAN 12 11:33 am 12-9-1111 11:33 am
CONTAINER

NET TIME 20.19
NET WEIGHT 40,380

INBOUND

DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
CHATHAM COUNTY REGION				
CHATHAM COUNTY REGION				
INITIAL FEE				
RECEIPT FEE				

I, the undersigned, hereby certify that I am the owner of the above described property and that I have read and understand the terms and conditions of the contract and agree to the same. In witness whereof, I have hereunto set my hand and seal this 21st day of January, 2011.

2/21

SIGNATURE



NET AMOUNT

TENDERED

CHANGE

CHECK



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) <i>Gene Underwood</i>	d. Signature <i>Gene Underwood</i>	e. Date 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		c. US EPA Number 912.964.2812	d. Discrepancy Indication Space:
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) <i>Gene Underwood</i>		f. Signature <i>Gene Underwood</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

Environmental Services, LLC
1100 S. Perry Rd.
Port Wentworth, SC 29073

01 943285

Mid-America

12-09-2014 12:37 PM

INVOICE

01010781

TOTAL IN GROSS WEIGHT 56,920
TOTAL OUT TARE WEIGHT 26,640

QTY	EA	PER-HAUL/TRANS/TRUCK	CHATHAM COUNTY FEE 1.00
15.00	EA		
20.00	TH		
15.00	TH	3W-CONT SOIL	CHATHAM COUNTY FEE 1.00
1.00		ENVIRONMENTAL FEE 5	
1.00		FUEL RECOVERY FEE	

TOTAL

TAX

1.000000

NET AMOUNT

11,000.00

CHECK

CHECK

K. B. Brown



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i> (AS Agent for Generator)		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) Kevin Byrnes	d. Signature <i>K Byrnes</i>	e. Date 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		b. 912.964.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

INVOICE

DATE/TIME OUT
12-9-2014 12:40 pm

CONTAINER

INBOUND

NET TONS 18.13
NET WEIGHT 36,260

GROSS WEIGHT 58,340
TARE WEIGHT 22,080

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.13	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD					
18.13	TN	CHATHAM COUNTY REGION				
1.00		SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK #

The undersigned hereby certifies that the above information is true and correct to the best of their knowledge and belief.

Signature

Signature



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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.

PAUL GA220	Paul Syro (as agent for generator)	12/9/14
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: BN 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: Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407		c. US EPA Number	d. Discrepancy Indication Space:
b. 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.			
MICHEL			12-9-14
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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 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 INVOICE
BILL OF LADING

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				
20.00	YD	CHATHAM COUNTY REGION				
19.73	TN	SW-CONT SOIL				
1.00		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 INVOICE
BILL OF LADING

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				
20.00	YD	CHATHAM COUNTY REGION				
19.73	TN	SW-CONT SOIL				
1.00		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**

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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GRZEC		q. Signature <i>Paul Grzec</i>		r. Date 12/9/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN-22 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) X Sharon Little	d. Signature <i>Sharon Little</i>	e. Date 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 912.954.2812		c. US EPA Number	d. Discrepancy Indication Space:
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) Michelle Ghee		f. Signature <i>Michelle Ghee</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			b. Phone: 912.412.2402		
c. Driver Name (Print) Clarence Little			d. Signature <i>Clarence Little</i>		e. Date 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 Clinton Blvd Port Wentworth, GA 31407		b. 912.964.2812	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) Michelle		f. Signature <i>Michelle</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

100014
 A. D. Environmental Services, LLC
 1741 Galks Ferry Rd.
 Charleston, SC 29073
 1101420787

SCALE IN GROSS WEIGHT 10,000
 SCALE OFF TARE WEIGHT 24,000
 PER HOUR/TRANS/TRUCK
 CIVIL RECOVERY FEE 5
 CIVIL RECOVERY FEE 100
 CIVIL RECOVERY FEE 100

CHATHAM COUNTY PERIOD
 CHATHAM COUNTY PERIOD

01 943300

Michelle J.
 12-00-2014 1:00 PM
 101701

Handwritten signature

NET AMOUNT



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAUL GRIZZO		q. Signature <i>Paul Grizzo AS Agent For Generator</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter Name and Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) X <i>Billie Parker</i>	d. Signature <i>Billie Parker</i>	e. Date 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		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) <i>M. C. ...</i>	f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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		943301		CFL	
84 CLIFTON BLVD		01			
PORT WENTWORTH, GA		Michelle J.			
912-964-2812		12-09-2014		12-9-2014	
		1:30 pm		1:30 pm	
		BN-702		CONTAINER	
		REFERENCE		INVOICE	
		2204083			
		BILL OF LADING			

SCALE IN		GROSS WEIGHT		NET TONS		NET WEIGHT		INBOUND	
SCALE OUT		TARE WEIGHT							
100014		59,920		16.64		33,280			
A & D Environmental Services, LLC									
1741 Calks Ferry Rd.									
Lexington, SC 29073									
31101420787									

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.64	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
16.64	TN	CHATHAM COUNTY REGION				
1.00		SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECKS

The undersigned hereby certifies that the above information is true and correct and that the same has been verified by the undersigned and is true and correct.

K. B. B. B.

DATE: 12-9-2014



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) X Kevin Byrnes	d. Signature <i>K. Byrnes</i>	e. Date 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		b. 912.954.2812	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) <i>Michelle</i>	f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		SHEET 01		TICKET # 943302		CELL	
CUSTOMER 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787		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				
20.00	YD	CHATHAM COUNTY REGION				
18.84	TN	SW-CONT SOIL				
1.00		CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECKS

This document is a receipt for the services rendered and is not valid unless countersigned by the weighmaster. It is the responsibility of the customer to ensure that the information provided is accurate and complete.





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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN-20 1027 Bacon Road Hinesville, GA 31313 912.412.2402		b. Phone:
c. Driver Name (Print) X <i>Eric Underwood</i>		d. Signature X <i>[Signature]</i>
e. Date 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 64 Clifton Blvd Port Wentworth, GA 31407		b. US EPA Number 912.954.2812	c. 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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>	
g. Date 12/09/14			

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
31101420787

01 943304

Michelle J.

12-09-2014

RN-32

2204085

2204085

1:36 PM

DATE-TIME OUT
12-9-2014 1:36 PM

SCALE IN
SCALE OUT

GROSS WEIGHT
TARE WEIGHT

59,720
24,000

NET TONS
NET WEIGHT

17.86
35,720

FEE-HAUL/TRANS/TRUCK

SW-CONT SOIL

ENVIRONMENTAL FEE 5

FUEL RECOVERY FEE

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

NET AMOUNT

CHATHAM

CHATHAM

CHATHAM

Signature

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Milledgeville, GA 31313			BN - 32		
b. Phone: 912.412.2402					
c. Driver Name (Print) X Clarence Little		d. Signature X Clarence Little		e. Date 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		b. 912.964.2812	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) <i>W. Little</i>		f. Signature <i>W. Little</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

	STATE IN LOCALITY	GROSS WEIGHT TARE WEIGHT
100	NEW YORK	
200	NEW YORK	
300	NEW YORK	
400	NEW YORK	
500	NEW YORK	
600	NEW YORK	
700	NEW YORK	
800	NEW YORK	
900	NEW YORK	
1000	NEW YORK	

01

1998

22

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	Type	n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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 Milledgeville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X SHERRILL LATHES	d. Signature <i>Sherrill Lathes</i>	e. Date 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	b. Phone: 912.964.2812	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) <i>M. G.</i>	f. Signature <i>M. G.</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 61,400
SCALE OUT TARE WEIGHT 22,080
NET TONS 19.66
NET WEIGHT 39,320

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

UNIT
EA FEE-HAUL/TRANS/TRUCK
YD SW-CONT SOIL
TN ENVIRONMENTAL FEE 5
1.00 FUEL RECOVERY FEE
1.00

01 943324
MICHELLE J.
12-09-2014 2:32 PM
BN-20
2204087
INVOICE
DATE/TIME OUT 12-9-2014 2:32 PM
CONTAINER

INBOUND
TAX
TOTAL

NET AMOUNT
TENDERED
CHANGE
CHECK

The work on this report was performed by the Savannah Regional Landfill, which is a part of the Savannah Metropolitan Area Solid Waste Authority. The work was performed under contract to the Savannah Metropolitan Area Solid Waste Authority. The work was performed under contract to the Savannah Metropolitan Area Solid Waste Authority. The work was performed under contract to the Savannah Metropolitan Area Solid Waste Authority.

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402		
c. Driver Name (Print) X <i>Gene Underwood</i>		d. Signature <i>Gene Underwood</i>		e. Date 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		b. Phone: 912.954.2812	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) <i>Michelle</i>		f. Signature <i>Michelle</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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		CELL
84 CLIFTON BLVD				
PORT WENTWORTH, GA		912-964-2812		
CUSTOMER				
100014				
A & D Environmental Services, LLC				
1741 Calks Ferry Rd.				
Lexington, SC 29073				
31101420787				
DATE	01	943325		
WEIGHMASTER	Michelle J.			
DATE/TIME IN	12-09-2014	2:36 PM	DATE/TIME OUT	12-9-2014 2:36 PM
VEHICLE	BN-701			
REFERENCE	2204088			
BILL OF LADING	INVOICE			

QTY.	UNIT	DESCRIPTION	NET TONS	NET WEIGHT	INBOUND	TOTAL
19.46	EA	FEE-HAUL/TRANS/TRUCK	19.46	38,920		
20.00	YD	CHATHAM COUNTY REGION				
19.46	TN	SM-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECKS

Handwritten signature



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) <i>Richy Parker</i>	d. Signature <i>Richy Parker</i>	e. Date 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		b. 912.964.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

SHIP

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA 31014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3101420787 912-964-2812

QTY	UNIT	SCALE IN	GROSS WEIGHT	TARE OUT	TARE WEIGHT
20.00	YD		63,800		
18.58	TN		26,640		
1.00					
1.00					

TRACKING QTY
SW-COAT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

CHATHAM COUNTY REGION

NET TONS
NET WEIGHT 37,160

INVOICE
SITE 01
WITCHMASTER 943326
MICHELLE J.
DATE/TIME IN 12-09-2014 2:38 PM
DATE/TIME OUT 12-9-2014 2:38 PM
CONTAINER
BILL OF LADING

INBOUND	NET AMOUNT
RATE	
EXTENSION	
TAX	
TOTAL	

[Signature]

TENDERED
CHANGE
CHECKS



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity
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.					
PAUL GAZZO		Paul Gazzo (As Agent for Generator)		12/9/14	
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			BN-702		
b. Phone: 912.412.2402					
K. Kevin Byrnes		K. Byrnes		12/9/14	
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: Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407		c. US EPA Number		d. Discrepancy Indication Space:	
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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 943329	CELL
WEIGHMASTER Michelle J.		DATE/TIME OUT 12-9-2014 2:44 PM
DATE/TIME IN 12-09-2014 2:44 PM		CONTAINER
VEHICLE BN-32		
REFERENCE 2204091		INVOICE
BILL OF LADING		

Lexington

31101420787

SCALE IN
SCALE OUT

GROSS WEIGHT
TARE WEIGHT

64,040
24,000

NET TONS
NET WEIGHT

20.02
40,040

INBOUND

DESCRIPTION

CHATHAM COUNTY REGION

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NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned hereby certifies that the above information is true and correct and that the same has been verified by the undersigned and the terms and conditions of the contract are hereby accepted.

Liberman



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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.						
PAUL GAZZO		Paul Gazzo (As Agent for Generator)			12/9/14	
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: BN Trucking 1027 Bacon Road Hinesville, GA 31313			b. Phone: 912.412.2402		
BN-32					
c. Driver Name (Print) X Charles Little		d. Signature X Charles Little		e. Date 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		b. Phone: 912.954.2812		c. USEPA 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 L. G. Gazzo			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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

CITE 01 943328 CELL
WEIGHMASTER
MICHELLE J.
DATE/TIME IN 12-09-2014 2:42 PM
DATE/TIME OUT 12-9-2014 2:42 PM
CONTAINER
VEHICLE BN-22
INBOUND
BILL OF LADING
INVOICE

SCALE IN	GROSS WEIGHT	NET TONS	SCALE OUT	TARE WEIGHT	NET WEIGHT	INBOUND	TOTAL
	65,940	22.23		21,480	44,460		

QTY	UNIT	DESCRIPTION	CHATHAM COUNTY REGION
22.23	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION
20.00	YD	SW-CONT SOIL	
22.23	TN	ENVIRONMENTAL FEE 5	
1.00		FUEL RECOVERY FEE	
1.00			

Michelle J.

NET AMOUNT
TENDERED
CHANGE
CHECKS



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN 22 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) Sharon Little	d. Signature <i>Sharon Little</i>	e. Date 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		b. 912.964.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
PO BOX 2812
PORT WENTWORTH, GA

customer
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 TICKET # 943343
WEIGHMASTER
Michelle J.
DATE/TIME IN 12-09-2014 4:25 PM
DATE/TIME OUT 12-09-2014 4:25 PM
CHITAM
34H-20
2204092
TIRE OR TAILG

NET TARE 19.79
NET WEIGHT 39,500

SCALE IN 61,660
SCALE OUT 22,080

DESCRIPTION
CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

QTY	UNIT	DESCRIPTION
19.79	EA	FEH-HAUL/TYRE/TYRE
20.00	TS	SW-COIT GOLF
19.79	TH	ENVIRONMENTAL FEE
1.00		FUEL RECEIPT FEE
1.00		

EXTENSION TAX TOTAL

NET AMOUNT
TENDERED
CHANGE
CHECK#

This invoice is issued on behalf of Customer at Savannah, GA. It is subject to the terms and conditions of the contract. The customer is responsible for the payment of the invoice. The invoice is valid for 30 days from the date of issue.

REGISTRATION # 100014



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GARZO		q. Signature <i>Paul Garzo</i> AS Agent for generator		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X SCARLETT WOOD		d. Signature X <i>Scarlett Wood</i>
		e. Date 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		c. US EPA Number	d. Discrepancy Indication Space:
b. 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) <i>Michael</i>		f. Signature <i>Michael</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

INVOICE
BN-701
2204093
MICHELLE J.
12-09-2014 3:31 PM
DATE/TIME OUT
12-9-2014 3:31 PM
CONTAINER

SCALE IN	GROSS WEIGHT	NET TONS	NET WEIGHT	INBOUND	TOTAL
SCALE OUT	TARE WEIGHT				
	63,620	19.81	39,620		
	24,000				

QTY.	UNIT	DESCRIPTION
19.81	EA	FEE-HAUL/TRANS/TRUCK
20.00	YD	SW-CONT SOIL
19.81	TN	ENVIRONMENTAL FEE 5
1.00		FUEL RECOVERY FEE
1.00		

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

Michelle J.

NET AMOUNT
TENDERED
CHANGE
CHECKS

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature Paul Gazzo		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Bacon Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) Ricky Parker	d. Signature Ricky Parker	e. Date 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		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) MICHAEL	f. Signature Michael	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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 Caliks Ferry Rd.
Lexington, SC 29073
31101420787

SCALE IN
GROSS WEIGHT
TARE WEIGHT

64,180
26,640

NET TONS
NET WEIGHT

18.77
37,540

INBOUND

TOTAL

EXTENSION

TAX

DESCRIPTION

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

EA 18.77
YD 20.00
TN 18.77
FEE-HAUL/TRANS/TRUCK
SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE 5

UNIT
18.77
20.00
18.77
1.00
1.00

NET AMOUNT
TENDERED
CHANGE
CHECKS

INVOICE

DATE/TIME OUT 3:32 PM
CONTAINER 12-9-2014

943347

Michelle J.
12-09-2014

BN-702

REFERENCE

2204094

DATE OF LADING

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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.						
PAUL GARZO		Paul Garzo (as agent for generator)		12/19/14		
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: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402			b. Phone:		
c. Driver Name (Print) Kevin Byrnes		d. Signature K Byrnes		e. Date 12/19/14	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407		b. 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

QTY	UNIT	SCALE IN	SCALE OUT	GROSS WEIGHT	TARE WEIGHT
23.41	EA			68,300	21,480
20.00	YD				
23.41	TN				
1.00					
1.00					

CHATHAM COUNTY REGION
 CHATHAM COUNTY REGION

NET TONS 23.41
 NET WEIGHT 46,820

01 943349
 MICHELLE J.
 12-09-2014 3:42 PM
 BN-22
 2204095

INBOUNDED
 DATE/TIME OUT 12-9-2014 3:42 PM
 CONTAINER
 INVOICE

RATE	EXTENSION	TAX	TOTAL

Shonda

NET AMOUNT
 TENDERED
 CHANGE
 CHECK



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Sharon Little	d. Signature <i>X Sharon Little</i>	e. Date 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		b. 912.954.2812	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) <i>WNC</i>		f. Signature <i>WNC</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

Environmental Services, LLC

10000 Parkway Rd.
P.O. Box 10000
St. Louis, MO 63110

10000 Parkway Rd.
P.O. Box 10000
St. Louis, MO 63110

10000 Parkway Rd.
P.O. Box 10000
St. Louis, MO 63110

10000 Parkway Rd.
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St. Louis, MO 63110

10000 Parkway Rd.
P.O. Box 10000
St. Louis, MO 63110

10000 Parkway Rd.
P.O. Box 10000
St. Louis, MO 63110

01 943351

Michelle J.

12-09-2014

3:48 pm

12-9-2014

3:48 pm

BN-32

2704096

INVOICE

INVOICE

INVOICE

INVOICE

INVOICE

INVOICE

Invoice X

NET AMOUNT
PAID
CHECKS



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) X Claude Little	d. Signature X Claude Little	e. Date 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 912.954.2812		c. US EPA Number	d. Discrepancy Indication Space:
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) <i>M</i>		f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

943357

01
12-9-2014 4:11 pm
CONTAINER

Michelle J.
12-09-2014 4:11 pm

INVOICE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
912-964-2812
PORT WENTWORTH, GA

PORT WENTWORTH, GA

100014
A & D Environmental
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

BN-20
2204097

NET TONS
NET WEIGHT
GROSS WEIGHT
TARE WEIGHT
19.91
39,820
61,900
22,080

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

SCALE IN
SCALE OUT

FEE-HAUL/TRANS/TRUCK

QTY. UNIT
1991 EA
2000 YD
1991 TN
1000
1000

SW-CONT SOIL
ENVIRONMENTAL FEE
FUEL RECOVERY FEE

INBOUND
TOTAL
19.91
39,820

NET TONS
NET WEIGHT

GROSS WEIGHT
TARE WEIGHT

NET AMOUNT
TENDERED
CHANGE
CHECK

and acknowledges the terms and conditions

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
912-964-2812
PORT WENTWORTH, GA



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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 Milledgeville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) <i>[Signature]</i>	d. Signature <i>[Signature]</i>	e. Date 2/9/14

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		b. Phone: 912.954.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

CHATTANOOGA REGIONAL LANDFILL
CUSTOMER: TONY WENTWORTH, CA
10001
A & D Environmental Services, LLC
1741 Miller County Rd.
Lexington, KY 40503
912-964-2812
310110787

SCALE IN
SCALE CWT

QTY	UNIT	GROSS WEIGHT	TARE WEIGHT
18.03	EA	62,700	
20.00	YD		
18.03	TN	26,640	
1.00			

SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

NET TONS
NET WEIGHT

CHATTANOOGA COUNTY REGION
CHATTANOOGA COUNTY REGION

SITE
01
WENGMAN 943600
MICHIGAN
12-09-2014
11:19 AM
DATE TIME OUT
12-09-2014
11:19 AM

INVOICE

The undersigned hereby certifies that the above information is true and correct to the best of his knowledge and belief and that he is not aware of any falsification of the same.

CHATTANOOGA

[Handwritten signature]

NOT RECORDED
CHATTANOOGA
CHATTANOOGA

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul G. Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN 702 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) Kevin Byrnes	d. Signature <i>K. Byrnes</i>	e. Date 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 Clinton Blvd Port Wentworth, GA 31407		c. US EPA Number 912.964.2812	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 <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 31101420787
 A & D Environmental Services, LLC
 1741 Calks Ferry Rd.
 Lexington, SC 29073
 912-964-2812

SCALE IN
 SCALE OUT

22.56 EA
 20.00 YD
 22.56 TN
 1.00
 1.00

GROSS WEIGHT 66,600
 TARE WEIGHT 21,480
 FEE-HAUL/TRANS/TRUCK
 SW-CONT SOIL
 ENVIRONMENTAL FEE 5
 FUEL RECOVERY FEE

NET TONS
 NET WEIGHT

22.56
 45,120

CHATHAM COUNTY REGION
 CHATHAM COUNTY REGION

INVOICE

01 943363
 Michelle J.
 12-09-2014 4:30 PM
 BN-22
 2204099
 DATE/TIME OUT
 12-9-2014 4:30 PM
 CONTAINER

INBOUND
 TAX
 TOTAL

EXTENSION

RATE

NET AMOUNT

TENDERED
 CHANGE
 CHECK#

The undersigned individual, signing this document, on behalf of the company, acknowledges that he or she has read and understands the terms and conditions of the agreement and that he or she has the authority to sign on behalf of the company.

Signature: *[Handwritten Signature]*
 Name: *[Handwritten Name]*



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1 Dump		Tons
<p>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>					
p. Generator Authorized Agent Name (Print) PAUL G4220		q. Signature <i>Paul G4220 AS Agent For Generator</i>		r. Date 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 Milledgeville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X SHARREL KATKES	d. Signature <i>X Sharrel Katkes</i>	e. Date 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 Clinton Blvd Port Wentworth, GA 31407		c. US EPA Number	d. Discrepancy Indication Space:
b. 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) <i>mm</i>		f. Signature <i>mm</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> Both % Friable % Non-Friable			
<p>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.</p>			
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 943364

Michelle J.

DATE/TIME OUT
12-9-2014 4:32 PM
CONTAINER

12-09-2014 4:32 PM

100014

A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073

31101420787

BN-32

2204100

INVOICE

SCALE IN		GROSS WEIGHT		NET TONS		INBOUND	
SCALE OUT		TARE WEIGHT		NET WEIGHT		TOTAL	
		DESCRIPTION					
QTY.	UNIT						
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
CHECKS

The undersigned acknowledges receipt of the above described material and certifies that the same has been used for the purposes stated on the invoice and that the same has been disposed of in accordance with the terms and conditions of the contract and that the same has been disposed of in accordance with the terms and conditions of the contract.

Signature

DATE/TIME



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	Type	n. Total Quantity
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) PAUL GARZO		q. Signature <i>Paul Garzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			BN 37		
b. Phone: 912.412.2402					
c. Driver Name (Print) X Clarence Little		d. Signature <i>Clarence Little</i>		e. Date 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		c. US EPA Number		d. Discrepancy Indication Space:	
b. Phone: 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) <i>Mie</i>		f. Signature <i>Mie</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
Michelle
12-09-20
BN-20
2204097

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD 912-964-2812
PORT WENTWORTH, GA

100014
A & D Environmental
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

NET TONS
NET WEIGHT

61,900
22,080

GROSS WEIGHT
TARE WEIGHT

CHATHAM COUNTY REGI
CHATHAM COUNTY REGI

SCALE IN
SCALE OUT

FEE-HAUL/TRANS/TRUCK

QTY.	UNIT
1991	EA
20.00	YD
1991	TN
1.00	
1.00	

SW-CONT SOIL FEE 5
ENVIRONMENTAL FEE
FUEL RECOVERY

This information is provided for informational purposes only and is not intended to be used for any other purpose. The information is provided as is and is not guaranteed to be accurate or complete. The information is provided for informational purposes only and is not intended to be used for any other purpose. The information is provided as is and is not guaranteed to be accurate or complete.

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 2/9/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) <i>X. [Signature]</i>	d. Signature <i>X [Signature]</i>	e. Date 2/9/14	

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		b. Phone: 912.964.2812	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) <i>M. [Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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			

SUE

Customer: Forest Westw. MTH, CA
100011
A & P Environmental Services, LLC
1741 Collier Pkwy Rd.
Lawton, OK 74073
912-964-2812

SCALE IN
SCALE OUT

QTY	UNIT	GROSS WEIGHT	TARE WEIGHT
18.03	EA	62,700	
20.00	YD		26,640
18.03	TN		
1.00			

SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

SITE: 01
MICHAEL J.
DATE: 12-09-2014
TIME: 11:19 AM
METER: 11-04028
METER: 11-04028

DATE: 12-09-2014
TIME: 11:19 AM

INVOICE

The undersigned hereby certifies that the above is a true and correct copy of the original as shown to the undersigned and that the same has been duly verified by the undersigned.

CHATHAM

[Signature]

CHATHAM

CHATHAM

CHATHAM



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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.					
PAUL GAZZO		Paul G. Gazzo Agent for Generator		12/9/14	
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: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
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: Savannah Regional Industrial Landfill 84 Cotton Blvd Port Wentworth, GA 31407 912.954.2812		c. US EPA Number	d. Discrepancy Indication Space:
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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 31401
 A & D Environmental Services, LLC
 1741 Calks Ferry Rd...
 Lexington, SC 29073
 31101420787 912-964-2812

01 943363
 Michelle J.
 12-09-2014 4:30 PM
 BN-22
 2204099
 DATE/TIME OUT
 12-9-2014 4:30 PM
 CONTAINER

SCALE IN
 SCALE OUT

QTY UNIT
 22.56 EA
 20.00 YD
 22.56 TN
 1.00
 1.00

GROSS WEIGHT 66,600
 TARE WEIGHT 21,480
 FEE-HAUL/TRANS/TRUCK
 SW-CONT SOIL
 ENVIRONMENTAL FEE 5
 FUEL RECOVERY FEE

NET TONS 22.56
 NET WEIGHT 45,120

CHATHAM COUNTY REGION
 CHATHAM COUNTY REGION

INVOICE

INBOUND
 EXTENSION
 TAX
 TOTAL

The undersigned individual, signing this document in support of this invoice, 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 invoice on behalf of the customer.

NET AMOUNT
 TENDERED
 CHANGE
 CHECK#

SILVIA TURE *[Signature]*



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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.					
PAUL G4220		Paul G4220 AS AGENT FOR GENERATOR		12/9/14	
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 Milledgeville, GA 31313		
b. Phone: 912.412.2402		
X Sharrel Little		X Sharrel Little
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: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407		b. Phone: 912.964.2812	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

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

32112, 11172



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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 32		
b. Phone:					
c. Driver Name (Print) X Clarence Little		d. Signature <i>Clarence Little</i>		e. Date 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		c. US EPA Number	d. Discrepancy Indication Space:
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) <i>me</i>		f. Signature <i>me</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		GROSS WEIGHT		NET TONS	
TARE OUT	TARE WEIGHT	58,580	42,720	NET WEIGHT	15,860
QTY	UNIT	DESCRIPTION	ENVIRONMENTAL FEE 5	FUEL RECOVERY FEE	
0.00	YD	TRACKING QTY			
7.93	TN	SM-TIMBER/TREATED/OLD			
1.00					
1.00					

Richard B. Ball

SITE 01 TICKET # 943371
 WEIGHMASTER Michelle J.
 DATE/TIME IN 12-10-2014 7:16 am
 VEHICLE CURTIS TRUCKING-1
 DATE/TIME OUT 12-10-2014 7:16 am
 CONTAINER
 REFERENCE
 BILL OF LADING 17060275

INBOUND		TAX		TOTAL	
RATE	EXTENSION				
7.93					
15,860					

The undersigned hereby certifies that the information furnished herein is true and correct to the best of his knowledge and belief, and that he is not aware of any information which would cause the information furnished herein to be false or misleading.

NET AMOUNT
 TENDERED
 CHANGE
 CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Georgia Power Various Locations Georgia		e. Generator's Mailing Address: National Salvage & Service Corporation PO Box 300 Clear Creek, IN 47426			
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.	n. Total Quantity	o. Unit Wt/Vol
31101413978	2/28/2015	Weathered Wood	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) Michael Rothert		q. Signature <i>[Signature]</i>		r. Date 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) Richard Bartlett	d. Signature <i>[Signature]</i>	e. Date 12-10-14

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 912.964.2812		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) M. [Signature]		f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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 LANDELL
84 CLIFTON BLVD
912-964-2812
PORT WENTWORTH, GA

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: TICKET #
01 943374
WEIGHMASTER
Michelle J.
DATE/TIME IN 12-10-2014 7:29 am
DATE/TIME OUT 12-10-2014 7:29 am
CONTAINER
VEHICLE
BN-32
REFERENCE
2204102
BILL OF LADING

INVOICE

INBOUND

NET TONS 17.97
NET WEIGHT 35,940

GROSS WEIGHT 59,940
TARE WEIGHT 24,000

DESCRIPTION
CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

SCALE IN
SCALE OUT

QTY.	UNIT	DESCRIPTION
17.97	EA	FEE-HAUL/TRANS/TRUCK
0.00	YD	SW-CONT SOIL
17.97	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

Chen

RS 6424496 (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-c)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) Paul GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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 32		
b. Phone:					
c. Driver Name (Print) X Clarence Little		d. Signature <i>Clarence Little</i>		e. Date 12/10/14	

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 912.954.2812		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) <i>Michelle</i>		f. Signature <i>Michelle</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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.

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 943375

WEIGHMASTER

DATE/TIME IN

12-10-2014 7:30 am

VEHICLE

BN-22

REFERENCE

2204103

BILL OF LADING

DATE/TIME OUT

12-10-2014 7:30 am

CONTAINER

INVOICE

INBOUND

20.87

41,740

NET TONS

NET WEIGHT

63,220

21,480

GROSS WEIGHT

TARE WEIGHT

SCALE IN

SCALE OUT

DESCRIPTION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

FEE-HAUL/TRANS/TRUCK

SW-CONT SOIL

ENVIRONMENTAL FEE 5

FUEL RECOVERY FEE

QTY. UNIT

20.87 EA

20.00 YD

20.87 TN

1.00

1.00

TOTAL

TAX

EXTENSION

RATE

NET AMOUNT

TENDERED

CHANGE

CHECKS

SIGNATURE

[Signature]

The undersigned individual signs 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-000000-100-120



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAULGAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Sharon Little		d. Signature X <i>Sharon Little</i>
		e. Date 12/10/14

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		b. US EPA Number 912.964.2812	c. 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) <i>M. Little</i>		f. Signature <i>M. Little</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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		01 943379			
84 CLIFTON BLVD 912-964-2812		WEIGHMASTER		DATE/TIME OUT 7:47 am	
PORT WENTWORTH, GA		Michelle J.		12-10-2014	
		DATE/TIME IN		CONTAINER	
		12-10-2014 7:47 am			
		VEHICLE		INVOICE	
		BN-28			
		REFERENCE			
		220410A			
		BILL OF LADING			
CUSTOMER		NET TONS		INBOUND	
100014		16.79		TOTAL	
A & D Environmental Services, LLC		33,580		TAX	
1741 Calks Ferry Rd.		NET WEIGHT			
Lexington, SC 29073		56,340			
31101420787		NET WEIGHT			
		22,760			
SCALE IN		GROSS WEIGHT			
SCALE OUT		TARE WEIGHT			
		DESCRIPTION			
		CHATHAM COUNTY REGION			
		CHATHAM COUNTY REGION			
QTY.		UNIT			
16.79		EA		FEE-HAUL/TRANS/TRUCK	
20.00		YD		SW-CONT SOIL	
16.79		TN		ENVIRONMENTAL FEE 5	
1.00				ENVIRONMENTAL FEE	
1.00				FUEL RECOVERY FEE	
				NET AMOUNT	
				TENDERED	
				CHANGE	
				CHECK#	

the undersigned certifies that this is a true and correct copy of the original and understands the terms and conditions of the invoice and that he or she has the authority to sign the invoice.

mtc

5/15/2014

the undersigned certifies that this is a true and correct copy of the original and understands the terms and conditions of the invoice and that he or she has the authority to sign the invoice.

5/15/2014



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	Type	n. Total Quantity
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) PAUL GARZO		q. Signature <i>Paul Garzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 BN-28		
b. Phone: 912.412.2402		
c. Driver Name (Print) J. C. Hall	d. Signature <i>J. C. Hall</i>	e. Date 12/10/14

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. US EPA Number	c. 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) <i>W. McCreary</i>	f. Signature <i>W. McCreary</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943391

DATE/TIME OUT
12-10-2014 8:33 am

CONTAINER

INVOICE

NET WEIGHT
21,480
GROSS WEIGHT
21,480
TARE WEIGHT
21,480

NET TONS
43,600
RATE
21.80

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

DESCRIPTION
FEE-HAUL/TRANS/TRUCK
SW-CONT SOIL
ENVIRONMENTAL FEE
FUEL RECOVERY FEE

QTY.
21.80 EA
20.00 YD
21.80 TN
1.00
1.00

NET AMOUNT
TENDERED
CHANGE
CHECK#

SIGNATURE
[Signature]

I hereby certify that the above information is true and correct to the best of my knowledge and belief.

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			b. Phone: 912.412.2402		
c. Driver Name (Print) Sharrel Little			d. Signature <i>Sharrel Little</i>		e. Date 12/10/14

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		b. Phone: 912.954.2612	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 31014
912-964-2812

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
CONTAINER
INVOICE

SCALE IN	SCALE OUT	GROSS WEIGHT	TARE WEIGHT	NET TONS	NET WEIGHT	INBOUND
63,380	24,000	39,380	19.69	39,380	19.69	INBOUND

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.69	EA	FEE-HAUL/TRANS/TRUCK				
0.00	YD	SM-CONT SOIL				
19.69	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				
		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



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) Paul Gazzo		q. Signature Paul Gazzo (AS Agent for Generator)		r. Date 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		
b. Phone: 912.412.2402		
BN 32		
c. Driver Name (Print) X Clarence Little	d. Signature X Clarence Little	e. Date X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407		b. Phone: 912.964.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

DISCOUNT

100014

A & D Environmental Services, LLC

1741 Calks Ferry Rd.

Lexington, SC 29073

31101420787

01 : 943411

Michelle J.

706.194621.191

12-10-2014 9:21 am

BN-22

77-AND
LIFE REFUG

2204107

III. 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				
20.00	YD	CHATHAM COUNTY REGION				
21.11	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK

The undersigned individual (signature) has read and understands the terms and conditions on the reverse side of the form and agrees to be bound by the authority herein.

2000



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Sharon Little	d. Signature <i>Sharon Little</i>	e. Date X 10/12/14

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		c. US EPA Number 912.954.2812	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) <i>Michelle</i>	f. Signature <i>Michelle</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

DATE RECEIVED 01/01/2014
 TIME 9:51 AM
 LOCATION 1741 Calks Ferry Rd.
 CHATTHAM COUNTY REGION
 REFERENCE 31101420787
 UNIT OF LADING 100014

SCALE IN GROSS WEIGHT 61,620
 SCALE OUT TARE WEIGHT 24,000

NET TONS 18.81
 NET WEIGHT 57,620

11/10/14

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.81	EA	FEE-HAUL/TRANS/TRUCK				
0.00	YD	CHATHAM COUNTY REGION				
18.81	YD	CHATHAM COUNTY REGION				
1.00	YD	ENVIRONMENTAL FEE				
1.00	YD	FUEL/RECOVERY FEE				

NET AMOUNT

SAVANNAH REGIONAL LANDFILL
 84 CLIFTON BLVD
 PORT WENTWORTH, GA 912-964-2812

Chatham

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/19/14	

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			BN-32		
b. Phone:					
c. Driver Name (Print) X Clarence Little			d. Signature X Clarence Little		
			e. Date 12/10/14		

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		c. US EPA Number		d. Discrepancy Indication Space:	
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) michel		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		NET TONS			
SCALE OUT		TARE WEIGHT		NET WEIGHT		INBOUND	
		62,920		20.72			
		21,480		41,440			
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#

I, the undersigned, individual sign in this document on behalf of Customer acknowledged 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.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Sharon Little		
d. Signature <i>Sharon Little</i>		e. Date 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407		c. US EPA Number 912.954.2812	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) <i>mm</i>		f. Signature <i>mm</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 943419	CELL
WEIGHMASTER Michelle J.		
DATE/TIME IN 12-10-2014 9:56 am	DATE/TIME OUT 12-10-2014 9:56 am	
VEHICLE BN-28	CONTAINER	
REFERENCE 2204109	INVOICE	
BILL OF LADING		

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				
20.00	YD	CHATHAM COUNTY REGION				
15.86	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

NET AMOUNT

TENDERED



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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	
c. Driver Name (Print) J. C. Hall	d. Signature <i>J. C. Hall</i>	e. Date 12/10/14	

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		b. 912.954.2812	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) <i>M. Jones</i>		f. Signature <i>M. Jones</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 CHILTON BLVD

PORT WENTWORTH, GA

A & B Environmental Services, Inc.
1441 Gulls Ferry Rd.
Washington, SC 29073

01001470787

01 943426

Michelle J.

12-10-2014 10:19 am

BN-20

2204110

DATE TIME
12-10-2014 10:19 am

VALUE IN	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET TONS	VALUE OUT
19.95	61,980	22,080	19.95	39,900	

KA	FEES-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION	EXTENSION	TAX	TOTAL
19.95					

CHATHAM COUNTY REGION

KA	FEES-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION	EXTENSION	TAX	TOTAL
19.95					

NET AMOUNT
ATTACHED
CHARGE
CREDIT



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) PAUL GARZO		q. Signature <i>Paul Garzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BNS 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) GENE WILLIAMS		d. Signature <i>Gene Williams</i>	
e. Date 12/10/14		f. Date 12/10/14	

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		c. US EPA Number 912.964.2812		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) Mike		f. Signature <i>Mike</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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

SHIP

CONTAINER

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943440

CONTAINER

Michelle J.

DATE/TIME IN

12-10-2014 11:01 am

VEHICLE

HN-32

REFERENCE

2204111

DATE/TIME OUT

12-10-2014 11:01 am

CONTAINER

INVOICE

NET TONS 18.93
NET WEIGHT 37,860

SCALE IN GROSS WEIGHT 61,860
SCALE OUT TARE WEIGHT 24,000

31101420787

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.93	EA	FEE-HAUL/TRANS/TRUCK				
0.00	YD					
18.93	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

NET AMOUNT

TENDERED

CHANGE

CHECK#

The land disposal certificate is hereby issued in full payment of the fee for the disposal of the waste material at the Savannah Regional Landfill. The waste material is hereby accepted for disposal at the Savannah Regional Landfill. The waste material is hereby accepted for disposal at the Savannah Regional Landfill.

Signature



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i> (AS AGENT for generator)		r. Date 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			BN32		
b. Phone: 912.412.2402					
c. Driver Name (Print) X Clarence Little		d. Signature <i>Clarence Little</i>		e. Date X 12/10/14	

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		b. 912.964.2812		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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

2/21

SIGNATURE

2/21

2/21

UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
EA	FEH-HAUL/TRANS/BRCK				
EA	CHATHAM COUNTY REGION				
EA	SM-CONT SOIL				
EA	ENVIRONMENTAL FEE 5				
EA	FUEL RECOVERY FEE				
EA	CHATHAM COUNTY REGION				
EA	NET TONS	16.85			
EA	NET WEIGHT	33,700			
EA	INBOUND				

DATE/TIME IN	DATE/TIME OUT	VEHICLE	REFERENCE	BILL OF LADING
12-10-2014 11:05 AM	12-10-2014 11:05 AM	BN-28	2204112	INVOICE

WEIGHMASTER	SITE	TICKET #	CELL
Susan D	01	943441	

SAVANNAH REGIONAL LANDFILL	84 CLIFTON BLVD	FORT WENDELL, GA	912-964-2812
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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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GARZO			q. Signature <i>Paul Garzo</i>		r. Date 12/19/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			
b. Phone: 912.412.2402			
c. Driver Name (Print) K.J.C. Hall		d. Signature <i>K.J.C. Hall</i>	e. Date 12/10/14

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		b. Phone: 912.964.2812	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 <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	
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				INVOICE	
2204113					
BILL OF LADING					

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	NET TONS	NET WEIGHT	INBOUND
SCALE OUT	TARE WEIGHT	58,580	18.55	37,100	
QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TOTAL
18.55	EA	FEE-HAUL/TRANS/TRUCK			
20.00	YD	CHATHAM COUNTY REGION			
18.55	TN	CHATHAM COUNTY REGION			
1.00		SW-CONT SOIL			
1.00		ENVIRONMENTAL FEE 5			
		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-F042UPR (07/12)

221

SIGNATURE



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	Type	n. Total Quantity
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) PAUL GARZO		q. Signature <i>Paul Garzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Milledgeville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X SHARPEL LATHES	d. Signature <i>SharpeL Lathes</i>	e. Date 12/10/14

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		b. 912.964.2812	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) <i>SD</i>		f. Signature <i>SD</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/19/14	

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		b. Phone: 912.412.2402	
c. Driver Name (Print) X JEFF KASTIRGER		d. Signature <i>Jeff Kastirger</i>	
		e. Date 12/10/14	

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		b. Phone: 912.954.2812	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 <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 12-10-2014 12:09 pm		DATE/TIME OUT 12-10-2014 12:09 pm
VEHICLE BN-32		CONTAINER
REFERENCE 2004115		
BILL OF LADING		INVOICE

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				
0.00	YD	CHATHAM COUNTY REGION				
17.14	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

NET AMOUNT

TENDERED

CHANGE

W/RENT

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.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo as agent for generator</i>		r. Date 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		
c. Driver Name (Print) X Clarence Little	d. Signature X Clarence Little	e. Date X 12/10/14

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		b. 912.964.2812	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) <i>M. Clark</i>		f. Signature <i>M. Clark</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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				
20.00	YD	CHATHAM COUNTY REGION				
15.68	TN	SW-CONT SOIL				
1.00		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.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

REPUBLIC SERVICES



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 I-a-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of 1
---------------------------------	-----------------------------	----------------

d. Generator's Name and Location Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408	e. Generator's Mailing Address 4943 Austin Park Avenue Burford, GA 30518 ADD Environmental Services, LLC
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		n. Total Quantity	o. Unit
			No.	Type		
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) Paul G. Gault	q. Signature <i>Paul G. Gault</i>
r. Date 12/15/14	

II. TRANSPORTER (Generator completes II-a-b and Transporter completes II-c-e)	
a. Transporter's Name and Address BNA Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402	b. Phone:
c. Driver Name (Print) C. Gault	d. Signature <i>C. Gault</i>
e. Date 12/10/14	

III. DESTINATION (Generator complete III-a-c and Destination Site completes III-d-g)	
a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407 912.964.2812	b. Phone:
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) M. Gault	f. Signature <i>M. Gault</i>
g. Date 12-10-14	

IV. ASBESTOS (Generator completes IV-a-f and Operator complete IV-g-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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> Both	
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	

DESTINATION RETURN

REV 01/14

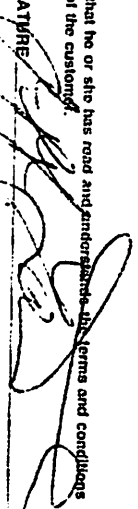
RS-F11A

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	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		
BILL OF LADING	INVOICE	

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					
20.00	YD						
20.33	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
		CHATHAM COUNTY REGION					
		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 all 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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature Paul Gazzo		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Egan Trucking 1027 Bacon Road Hinesville, GA 31313 5308		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Jeff Hastings	d. Signature X Jeff Hastings	e. Date 12/10/14

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		b. Phone: 912.954.2812	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) MICHAEL		f. Signature MICHAEL		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

CUSTOMER

100014

A & D Environmental Services, LLC

1741 Calks Ferry Rd.

La Grange, GA 30043

31101420787

CELL

SITE 01
TICKET # 943460

WEIGHMASTER

Michelle J.

DATE/TIME IN 12-10-2014 12:28 PM

VEHICLE HN-22

REFERENCE

2204118

BILL OF LADING

DATE/TIME OUT 12-10-2014 12:28 PM

CONTAINER

INVOICE

INBOUND

20.58

41,160

NET TONS

NET WEIGHT

62,640

21,480

GROSS WEIGHT

TARE WEIGHT

DESCRIPTION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

FEE-HAUL/TRANS/TRUCK

SW-COFT 3011

ENVIRONMENTAL FEE

FUEL RECOVERY FEE

QTY.

UNIT

EA

YD

TN

1.00

1.00

TOTAL

TAX

EXTENSION

RATE

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 

RS1042018 (07/12)



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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.					
PAUL GAZZO		Paul Gazzo (AS Agent For Generator)		12/9/14	
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&B Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
X Sharon Little X Sharon Little X 12/10/14		
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: Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812		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.				
MICHAEL		W		12-10-14
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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
CUSTOMER
PORT WENTWORTH, GA
84 CLIFTON BLVD
333336
NATIONAL SALVAGE & SERVICES CORP
PO BOX 300
CLEAR CREEK, IN 47426
912-964-2812
31101413978

SCALE IN
TARE OUT
GROSS WEIGHT
TARE WEIGHT
58,580
42,720
NET TONS
NET WEIGHT
7.93
15,860

TRACKING QTY
SW-TIMBER/TREATED/OLD
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

SAVANNAH

Richard Butler

SITE
01
TICKET #
WEIGHMASTER
243371
CELL
DATE/TIME IN
12-10-2014 7:16 AM
DATE/TIME OUT
12-10-2014 7:16 AM
VEHICLE
CURTISTRUCKING-1
CONTAINER
REFERENCE
1760225
BILL OF LADING

INVOICE

INBOUND
TAX
TOTAL

NET AMOUNT

TENDERED
CHANGE
CHECK#

I, the undersigned, hereby certify that the above information is true and correct to the best of my knowledge and belief, and that I am not aware of any information that would cause this information to be false or misleading. I understand that this information is being provided for the purpose of determining the amount of the fee to be paid for the disposal of the waste material described herein, and I understand that the fee to be paid is based on the weight of the waste material as shown on this invoice. I understand that the fee to be paid is based on the weight of the waste material as shown on this invoice, and I understand that the fee to be paid is based on the weight of the waste material as shown on this invoice.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Georgia Power Various Locations Georgia		e. Generator's Mailing Address: National Salvage & Service Corporation PO Box 300 Clear Creek, IN 47425			
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. 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) Michael Rothwell		q. Signature <i>Michael Rothwell</i>		r. Date 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) Richard Bartlett	d. Signature <i>Richard Bartlett</i>	e. Date 12-10-14

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 912.964.2812		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) Mike	f. Signature <i>Mike</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE: TICKET #
01 943374
WENMASTER
MICHELLE J.
DATE/TIME IN 12-10-2014 7:29 am
CONTAINER
12-10-2014 7:29 am
VEHICLE
BN-32
REFERENCE
2204102
BILL OF LADING

INVOICE

NET TONS 17.97
NET WEIGHT 59,940
TARE WEIGHT 24,000
GROSS WEIGHT 59,940
SCALE IN
SCALE OUT

DESCRIPTION
CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

QTY. UNIT
17.97 EA
0.00 YD
17.97 TN
1.00
1.00
FEE-HAUL/TRANS/TRUCK
SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

EXTENSION
RATE
TAX
TOTAL
NET AMOUNT
TENDERED
CHANGE
CHECKS

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

Charna L



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) Paul GA220		q. Signature Paul Gappas Agent for Generator		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402			b. Phone:		
c. Driver Name (Print) X Clarence Little		d. Signature X Clarence Little		e. Date X 12/10/14	

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		c. US EPA Number		d. Discrepancy Indication Space:	
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) Michelle		f. Signature Michelle		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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.

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01 943375

WENHMASITH

DATE/TIME IN 12-10-2014 7:30 am

DATE/TIME OUT 12-10-2014 7:30 am

CONTAINER

VEHICLE BN-22

REFERENCE 2204103

BILL OF LADING

INVOICE

INBOUND

TOTAL

20.87

41,740

NET TONS

NET WEIGHT

63,220

21,480

DESCRIPTION

SCALE IN

SCALE OUT

GROSS WEIGHT

TARE WEIGHT

FEE-HAUL/TRANS/TRUCK

SW-CONT SOIL

ENVIRONMENTAL FEE 5

FUEL RECOVERY FEE

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

QTY.

UNIT

20.87 EA

20.00 YD

20.87 TN

1.00

1.00

NET AMOUNT

TENDERED

CHANGE

CHECK#

SIGNATURE

[Signature]

The undersigned individual attests 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-FORM 107-12



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAULGAZZO		q. Signature <i>Paul Gazzo</i> (AS Agent for Generator)		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Sharon Little	d. Signature <i>Sharon Little</i>	e. Date 12/10/14

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		b. 912.954.2812	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) <i>M. Little</i>		f. Signature <i>M. Little</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		TICKET # 943379 01 WEIGHMASTER Michelle J. DATE/TIME IN 12-10-2014 7:47 am DATE/TIME OUT 12-10-2014 7:47 am CONTAINER INVOICE	
CUSTOMER 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787		BN-28 REFERENCE 2204104 BILL OF LADING	
SCALE IN SCALE OUT		NET TONS 16.79 NET WEIGHT 33,580 TAX TOTAL	
GROSS WEIGHT 56,340 TARE WEIGHT 22,760		RATE EXTENSION	
DESCRIPTION CHATHAM COUNTY REGION CHATHAM COUNTY REGION		NET AMOUNT TENDERED CHANGE CHECK#	
QTY.	UNIT	FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE FUEL RECOVERY FEE	
16.79	EA		
20.00	YD		
16.79	TN		
1.00			
1.00			

the undersigned certifies that this is a true and correct copy of the bill and understands the terms and conditions of the reverse side and that he or she has the authority to sign the document.

Signature

SAVANNAH



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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:			i. Owner's Phone No.:		
h. Owner's Name:					
j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No. 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) PAUL GARZO		q. Signature <i>Paul Garzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN-28 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) X J. C. Hall	d. Signature <i>J. C. Hall</i>	e. Date X 12/10/14

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. US EPA Number	c. 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) <i>W. C. C. Hall</i>		f. Signature <i>W. C. C. Hall</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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 943391

DATE/TIME OUT
12-10-2014 8:33 am

CONTAINER
12-10-2014 8:33 am

INVOICE

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
912-964-2812
PORT WENTWORTH, GA

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

DATE/TIME IN
12-10-2014 8:33 am

CONTAINER
12-10-2014 8:33 am

IN-22

2204105

DATE/TIME IN
12-10-2014 8:33 am

CONTAINER
12-10-2014 8:33 am

IN-22

2204105

DATE/TIME IN
12-10-2014 8:33 am

CONTAINER
12-10-2014 8:33 am

IN-22

2204105

DATE/TIME IN
12-10-2014 8:33 am

CONTAINER
12-10-2014 8:33 am

IN-22

2204105

DATE/TIME IN
12-10-2014 8:33 am

CONTAINER
12-10-2014 8:33 am

IN-22

2204105

DATE/TIME IN
12-10-2014 8:33 am

CONTAINER
12-10-2014 8:33 am

IN-22

2204105

TOTAL

INBOUND

21.80

43,600

NET TONS

NET WEIGHT

65,080

21,480

GROSS WEIGHT

TARE WEIGHT

SCALE IN

SCALE OUT

DESCRIPTION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

FEE-HAUL/TRANS/TRUCK

SW-CONT SOIL

ENVIRONMENTAL FEE 5

FUEL RECOVERY FEE

QTY.

UNIT

EA

YD

TN

1.00

1.00

NET AMOUNT

TENDERED

CHANGE

CHECK#

SIGNATURE

The undersigned individual certifies that he or she has read and understands the terms and conditions of the reverse sale and that he or she has the authority to sign this document on behalf of the customer.

DATE/TIME IN
12-10-2014 8:33 am



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZDO		q. Signature <i>Paul Gazdo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) Sharrel Little	d. Signature <i>Sharrel Little</i>	e. Date 12/10/14

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		b. Phone: 912.964.2612	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 31401
912-964-2812

A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943401
MITCHELL J. MITCHELL
12-10-2014 8:56 am
BN-32
CONTAINER
DATE/TIME OUT
INVOICE

SCALE IN	SCALE OUT	GROSS WEIGHT	TARE WEIGHT	NET TONS	NET WEIGHT	INBOUND
63,380	24,000	19.69	39,380			

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.69	EA	FEE-HAUL/TRANS/TRUCK				
0.00	YD	SW-CONT SOIL				
1.00	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				
		CHATHAM COUNTY REGION				

NET AMOUNT
TENDERED
CHANGE
CHECKS

The undersigned hereby certifies that the information furnished herein is true and correct and that the undersigned has read and understands the terms and conditions of the contract and agrees to be bound by the same.

SIGNATURE



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Kheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: ADD 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. 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.					
Paul Gazzo		Paul Gazzo (as agent for generator)		12/9/14	
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: BN 32 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
X Clarence Little	X Clarence Little	X 12/10/14
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: Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407		b. 912.564.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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.

12-10-2014

9:21 am

BN-22

REFERENCE

2204107

BILL OF LADING

DATE/TIME OUT

12-10-2014

9:21 am

CONTAINER

INVOICE

SCALE IN	GROSS WEIGHT	NET TONS
SCALE OUT	63,700	21.11
TARE WEIGHT	21,480	42,220

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.11	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
21.11	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK

The undersigned hereby certifies that the information on this document is correct and true to the best of my knowledge and belief, and I am not aware of any information that would cause this document to be false or misleading.

Signature of Customer

SCHAFER



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Sharrel Little	d. Signature <i>Sharrel Little</i>	e. Date 12/12/14

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		c. US EPA Number	d. Discrepancy Indication Space:
b. 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) <i>Michelle</i>	f. Signature <i>Michelle</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		i. Date	
h. Signature			
*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 943417
 WORK ORDER
 DATE 10-20-2014 9:51 am
 TIME 10-20-2014 9:51 am
 REFERENCE 2204108
 BUT OF FABRIC
 INVOICE

QTY	UNIT	DESCRIPTION	SCALE IN	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET TONS	RATE	EXTENSION	TAX	TOTAL
18.81	E/A	FREE-HAUL/TRANS/TRUCK									
0.00	YD										
18.81	TON	CHATHAM COUNTY REGION									
1.00		CHATHAM COUNTY REGION									
1.00		ENVIRONMENTAL FEE 5									
1.00		FUEL FEES/VEHICLE FEE									

NET AMOUNT

221

Alvarez

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO	q. Signature <i>Paul Gazzo</i>	r. Date 12/19/14
--	-----------------------------------	---------------------

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) X <i>Clarence Little</i>	d. Signature X <i>Clarence Little</i>	e. Date X 12/10/14

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. US EPA Number	c. 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) <i>Michael</i>	f. Signature <i>Michael</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
 CUSTOMER PORT WENTWORTH, GA 912-964-2812
 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		NET TONS		INBOUND	
SCALE OUT		TARE WEIGHT		NET WEIGHT			
		62,920		20.72			
		21,480		41,440			
QTY	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.72	EA	FEE-HAUL/TRANS/TRUCK					
20.00	YD	CHATHAM COUNTY REGION					
20.72	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
		CHATHAM COUNTY REGION					

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned hereby certifies that 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.



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) X Sharon Little			d. Signature <i>Sharon Little</i>		e. Date 12/10/14

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		b. 912.954.2812	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) <i>Mike</i>		f. Signature <i>Mike</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 943419 CELL
 WEIGHMASTER
 Michelle J.
 DATE/TIME IN 12-10-2014 9:56 am DATE/TIME OUT 12-10-2014 9:56 am
 VEHICLE BN-28 CONTAINER
 REFERENCE 2204109 INVOICE
 BILL OF LADING

SCALE IN		GROSS WEIGHT		NET TONS		INBOUND	
SCALE OUT		TARE WEIGHT		NET WEIGHT			
		54,480		15.86			
		22,760		31,720			
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

I, the undersigned, hereby certify that the information on this document is true and correct and that I am the owner or authorized representative of the customer.

Signature



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i> (Agent for Generator)		r. Date 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 Milledgeville, GA 31313		
b. Phone: 912.412.2402		
#28		
c. Driver Name (Print) J. C. Hall	d. Signature <i>J. C. Hall</i>	e. Date 12/10/14

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		b. 912.954.2812	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) <i>M. Jones</i>	f. Signature <i>M. Jones</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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.
Lithia Springs, SC 29073
11/01/07/87

01 943426

Michelle J.
12-10-2014 10:19 am
BN-20
2204110
11/10/14

SCALE IN	GROSS WEIGHT	NET TONS	NET WEIGHT	INBOUND
SCALE OUT	TARE WEIGHT			
19.95 EA	61,980	19.95	39,900	
20.00 YD	22,080			
19.95 TH				
1.00				
1.00				
PER-HAUL/TRANS/TRUCK				
CHATHAM COUNTY REGION				
CHW-CONT CONT.				
ENVIRONMENTAL FEE 5				
FUEL RECOVERY FEE				
EXTENSION				
TAX				
TOTAL				

NET AMOUNT	
ORDERED	
CHARGE	
CHECK	

SAVANNAH REGIONAL LANDFILL, 84 CLIFTON BLVD., PORT WENTWORTH, GA 31401-1000

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: AEO 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BUN WILSON 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X GENE WILSON		
d. Signature <i>Gene Wilson</i>		e. Date 12/10/14

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		c. US EPA Number	d. Discrepancy Indication Space:
b. 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) <i>Mit</i>		f. Signature <i>Mit</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

01 943440

Michelle J.

12-10-2014 11:01 am

BN-32

2204111

BN-32

12-10-2014 11:01 am

INVOICE

INBOUND

18.93

37,860

NET TONS

NET WEIGHT

61,860

24,000

GROSS WEIGHT

TARE WEIGHT

SCALE IN

SCALE OUT

DESCRIPTION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

FEE-HAUL/TRANS/TRUCK

SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

QTY UNIT
18.93 EA
0.00 YD
18.93 TN
1.00
1.00

TOTAL

TAX

EXTENSION

RATE

NET AMOUNT

TENDERED

CHANGE

CHECK#

I hereby certify that the above information is true and correct and understand the terms and conditions

Michelle J.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAULGAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			b. Phone: 912.412.2402		
c. Driver Name (Print) X Clarence Little			d. Signature <i>Clarence Little</i>		e. Date X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Cimmon Blvd Port Wentworth, GA 31407		b. 912.964.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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
FORT WENTWORTH, GA 312-964-2812

Environmental Services, LLC
Calvin Perry, PE
Savannah, GA 31401

SITE 01	TICKET # 943441	CELL
WEIGHMASTER Susan D.		
DATE/TIME IN 12-10-2014 11:05 am		DATE/TIME OUT 12-10-2014 11:05 am
VEHICLE BN-28		CONTAINER
REFERENCE 2204112		INVOICE
BILL OF LADING		

SCALE IN	GROSS WEIGHT	36,460	NET TONS	16.95
SCALE OUT	TARE WEIGHT	22,760	NET WEIGHT	33,700

INBOUND

ITEM	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
1000	EA	FEE-HAUL/TRANS. TRUCK				
1000	YD	CHATHAM COUNTY REGION				
1000	TON	SW-CONT SOIL				
1000		CHATHAM COUNTY REGION				
1000		ENVIRONMENTAL FEE 5				
1000		FUEL RECOVERY FEE				

NET 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.

SA-4-PR (07/12)

2/21

SIGNATURE

J. C. Hall

TENDERED

CHANGE

CHECK



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GARZO		q. Signature <i>Paul Garzo</i>		r. Date 12/19/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402	BN-28	
c. Driver Name (Print) K.J.C. Hall	d. Signature <i>K.J.C. Hall</i>	e. Date 12/10/14

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		b. Phone: 912.954.2812	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 <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	INVOICE	
2204113		
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				
20.00	YD	CHATHAM COUNTY REGION				
18.55	TN	SW-CONT SOIL				
1.00		CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
		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.

RS-F042UPR (07/12)

2/21

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GARZO		q. Signature <i>Paul Garzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X SHARPEL LATHES	d. Signature <i>SharpeL Lathes</i>	e. Date X 12/10/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Cimarron Blvd Port Wentworth, GA 31407		c. US EPA Number 912.964.2812	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) <i>SD</i>		f. Signature <i>SD</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
FIFT MENTWORTH, GA 912-964-2812

SITE 01	TICKET # 943445	CELL
WEIGHMASTER Susan D.		
DATE/TIME IN 12-10-2014 11:18 am		DATE/TIME OUT 12-10-2014 11:18 am
VEHICLE NE-5308		CONTAINER
REFERENCE 2204114		INVOICE
BILL OF LADING		

Environmental Services, LLC
1741 Oaks Ferry Rd.
Lexington, SC 29053
3110142114

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	FEW-RAIL TRANS TRUCK				
20.00	EA	CHATHAM COUNTY REGION				
21.90	EA	3M-DIRT BILL				
1.00		CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE				
1.00		FUEL RECOVERY FEE				

NET 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.

SIGNATURE

[Handwritten Signature]

TENDERED

CHANGE

CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: Add 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. Type	n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/19/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Bart Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) X JEFF LASTINGER		e. Date 12/10/14	
d. Signature <i>Jeff Lastinger</i>			

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		c. US EPA Number 912.954.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>	
		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 12-10-2014 12:09 PM		DATE/TIME OUT 12-10-2014 12:09 PM
VEHICLE BN-32		CONTAINER
REFERENCE 2004115		
BILL OF LADING		INVOICE

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				
0.00	YD	CHATHAM COUNTY REGION				
17.14	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

NET AMOUNT
TENDERED
CHANGE
WHILE

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.



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) X <i>Clarence Little</i>		d. Signature X <i>Clarence Little</i>	e. Date X 12/10/14

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		b. 912.964.2812	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) <i>M. Little</i>		f. Signature <i>M. Little</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 943456	CELL
WEIGHMASTER Michelle J.		
DATE/TIME IN 12-10-2014 12:18 PM		DATE/TIME OUT 12-10-2014 12:18 PM
VEHICLE BN-28		CONTAINER
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				
20.00	YD	CHATHAM COUNTY REGION				
15.68	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
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.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: Add 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. 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) PAUL GAZZO	q. Signature <i>Paul Gazzo</i>	r. Date 12/15/14
--	-----------------------------------	---------------------

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
BN -28		
c. Driver Name (Print) X J. C. Hall	d. Signature X J. C. Hall	e. Date X 12/10/14

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		b. Phone: 912.964.2812	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) <i>Michael</i>	f. Signature <i>Michael</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	12-10-2014 12:26 PM	DATE/TIME OUT
VEHICLE	NE-5308	12-10-2014 12:26 PM
REFERENCE	2204117	
BILL OF LADING	INVOICE	


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					
20.00	YD						
20.33	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
		CHATHAM COUNTY REGION					
		CHATHAM COUNTY REGION					

NET AMOUNT

TENDERED

CHANGE

CHECKS

SIGNATURE 

RS-F042UPR (07/12)

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

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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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:			i. Owner's Phone No.:		
h. Owner's Name:			i. Owner's Phone No.:		
j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	Type	n. Total Quantity
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) PAUL GA220	q. Signature <i>Paul G. [Signature]</i>	r. Date 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) X Jeff Hastings	d. Signature <i>Jeff Hastings</i>	e. Date 12/10/14

III. DESTINATION (Generator complete IIIa,c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407		c. US EPA Number	d. Discrepancy Indication Space:
b. 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) <i>Michael</i>	f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 LANDEFILL
84 CLIFTON BLVD
912-964-2812
PORT WENTWORTH, GA

CUSTOMER
100014
A & U Environmental Services, LLC
1741 Gates Ferry Rd.
Lexington, SC 29073
31101420787

WEIGHMASTER
01
943460
DATE/TIME IN
12-10-2014 12:28 PM
DATE/TIME OUT
12-10-2014 12:28 PM
CONTAINER
IN-22
REFERENCE
2204118
BILL OF LADING

INVOICE

NET TONS: 20.58
NET WEIGHT: 41,160
GROSS WEIGHT: 62,640
TARE WEIGHT: 21,480

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.58	EA	FEF-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
20.58	TN	CHATHAM COUNTY REGION				
1.00		SW-COFT SOLL.				
1.00		ENVIRONMENTAL FEE				
		FUEL RECOVERY FEE				

NET AMOUNT

TENDERED

CHANGE

CHECK#

SIGNATURE

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.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rhaem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i> (AS Agent for Generator)		r. Date 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:		
c. Driver Name (Print) X Sharron Little	d. Signature <i>Sharron Little</i>	e. Date 12/10/14

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 912.954.2812		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) <i>Michael</i>		f. Signature <i>Michael</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		i. Date	
h. Signature			
*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 31507
 912-964-2812
 A & D Environmental Services, LLC
 1111 Calks Ferry Rd.
 Milledgeville, SC 29073
 811/1420787

UNIT	TARE OUT	GROSS WEIGHT	TARE WEIGHT
0.00 YD			
1.61 TN	TRACKING QTY	59,220	24,000
1.00	SW-CONT SOIL		
1.00	FUEL RECOVERY FEE 5		

CHATHAM COUNTY REGION

NET TONS
 NET WEIGHT
 17.61
 35,220

SITE 01
 WORKSHEET 943467
 MICHAEL J.
 DATE/TIME IN 12-10-2014 1:04 PM
 DATE/TIME OUT 12-10-2014 1:04 PM
 CONTRACTOR
 CELL

STATION 611221

NET AMOUNT

IF PAY IN...

DATE

AMOUNT

REMARKS



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/19/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
BN 32		
c. Driver Name (Print) X Clarence Little	d. Signature X <i>Clarence Little</i>	e. Date X 12/10/14

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		b. 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 55,100
TARE WEIGHT 22,760
NET TONS 16.17
NET WEIGHT 32,340

QTY. UNIT
16.17 EA
20.00 YD
16.17 TN
1.00
1.00

DESCRIPTION
FEE-HAUL/TRANS/TRUCK
SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

INBOUND

TAX TOTAL

INVOICE

Site 01 TICKET # 943468 CELL
WEIGHMASTER
Michelle J.
DATE/TIME IN 12-10-2014 1:05 PM
VEHICLE BN-28
DATE/TIME OUT 12-10-2014 1:05 PM
CONTAINER
REFERENCE 2204120
BILL OF LADING

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)

SIGNATURE [Signature]

NET AMOUNT
TENDERED
CHANGE
CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GAZZO	q. Signature <i>Paul Gazzo</i>	r. Date 12/9/14
--	-----------------------------------	--------------------

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) J. C. Hall	d. Signature <i>J. C. Hall</i>	e. Date 12/10/14

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		b. Phone: 912.954.2812	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) <i>M. J. ...</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

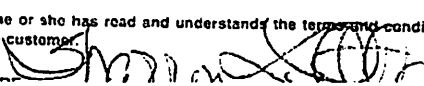
SITE 01	TICKET # 943474	CELL
WEIGHMASTER Michelle J.		
DATE/TIME IN 12-10-2014 1:18 pm		DATE/TIME OUT 12-10-2014 1:18 pm
VEHICLE BN-22		CONTAINER
REFERENCE 2204122		
BILL OF LADING		INVOICE

SCALE IN	GROSS WEIGHT	63,900	NET TONS	21.21	INBOUND
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	42,420	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.21	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
21.21	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
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**

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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZDO	q. Signature <i>Paul Gazzdo</i>	r. Date 12/19/14
---	------------------------------------	---------------------

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) <i>Sharon Little</i>	d. Signature <i>Sharon Little</i>	e. Date 12/19/14

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		b. 912.964.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 12-10-2014 1:15 pm		DATE/TIME OUT 12-10-2014 1:15 pm
VEHICLE NE-5308		CONTAINER
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				
20.00	YD	CHATHAM COUNTY REGION				
20.51	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

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.

NET AMOUNT
TENDERED
CHANGE
CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) Jeff Westinger		d. Signature <i>Jeff Westinger</i>	
		e. Date 12/10/14	

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		b. 912.964.2812	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) Michelle		f. Signature <i>Michelle</i>		g. Date 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 31461-4
912-964-2812

912-964-2812

6
 On 10/10/1964, the following information was received from the
 FBI, New York City, New York, regarding the above named
 subject:

[illegible][illegible]

NET TONS
NET WEIGHT

ALLIUM

THE ROAD, THROUGH THE
FAIR WEATHER

DATE	DESCRIPTION	AMOUNT
10/1/50	1000	1000
10/1/50	1000	1000
10/1/50	1000	1000
10/1/50	1000	1000
10/1/50	1000	1000

CHATHAM COUNTY REGION

[illegible]

EXTENSION	TAX	TOTAL
1000	100	1100
2000	200	2200
3000	300	3300
4000	400	4400
5000	500	5500
6000	600	6600
7000	700	7700
8000	800	8800
9000	900	9900
10000	1000	11000

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms of the reverse side and that he or she has the authority to sign this document on behalf of the customer. /s/ _____

01000 84441 54

SIGNATURE

NAME AND CONDITIONS

5777

NET AMOUNT

~~TENDERED~~

CHANGE

ЧЕКА



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>			r. Date 12/19/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			b. Phone: 912.412.2402		
c. Driver Name (Print) Clarence Little			d. Signature <i>Clarence Little</i>		e. Date 12/10/14

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		b. 912.954.2812	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) <i>Mike</i>		f. Signature <i>[Signature]</i>		g. Date 12-19-14

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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.

PAUL GAZZO	Paul Gazzo AS Agent For Generator	12/9/14
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 912.412.2402		
b. Phone:		
X J. C. Hall	X J. C. Hall	X 12/10/14
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: Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 912.954.2812		c. US EPA Number	d. Discrepancy Indication Space:
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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		TICKET #		943482		CELL	
CUSTOMER		100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787		WEIGHMASTER		Michelle J.		DATE/TIME OUT	
		PORT WENTWORTH, GA		DATE/TIME IN		12-10-2014 2:04 PM		CONTAINER	
				VEHICLE		NE-5308		INVOICE	
				REFERENCE		2204125			
				BILL OF LADING					
				NET TONS		19.27		INBOUND	
				NET WEIGHT		38,540		TOTAL	
				GROSS WEIGHT		65,940			
				TARE WEIGHT		27,400			
				SCALE IN					
				SCALE OUT					
				DESCRIPTION					
				CHATHAM COUNTY REGION					
				CHATHAM COUNTY REGION					
				FEE-HAUL/TRANS/TRUCK					
				SW-CONT SOIL					
				ENVIRONMENTAL FEE 5					
				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**

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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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 Milledgeville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) <i>Jeff Lastinger</i>	d. Signature <i>Jeff Lastinger</i>	e. Date 12/10/14	

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		b. Phone: 912.964.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

000014
A & P Environmental Services, LLC
1440 Collier Ferry Rd.
Savannah, GA 39073
11/11/14

SCALE TR
SCALE OPT

GROSS WEIGHT 65,140
TARE WEIGHT 21,480

QTY UNIT
21.83 EA
20.00 LB
21.83 YD
1.00
1.00

DESCRIPTION

1000 DASH/TRANS/TRUCK
CHATHAM COUNTY REGION
CHATHAM COUNTY REGION
NEW CORT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE

NET WEIGHT
NET WEIGHT

11.11.14

11.11.14

SITE TICKET #
01 943484
WEIGHMASTER
MICHELLE J.
DATE/TIME IN
12-10-2014 2:09 PM
DATE/TIME OUT
12-10-2014
CONTAINER

The undersigned authorized 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]*

NET AMOUNT
TOTAL DUE
CASH
CHECKS

RS-F0420PR (07/12)



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: A&O 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.	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.					
PAUL GARZO		Paul Garzo (Agent for Generator)		12/9/14	
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: BN 22 1027 Bacon Road Milledgeville, GA 31313 912.412.2402		b. Phone:		
c. Driver Name (Print) X SHABROU Little		d. Signature X Shabrou Little		e. Date 12/10/14

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		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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	
PORT WENTWORTH, GA		84 CLIFTON BLVD 912-9664-2812	
CUSTOMER		100014 Environmental Services, LLC	
100014 Environmental Services, LLC		A & D Calks Ferry Rd.	
1741 Calks Ferry Rd.		Lexington, SC 29073	
31101420787			
SCALE IN		GROSS WEIGHT 59,380	
SCALE OUT		TARE WEIGHT 24,000	
FEE-HAUL/TRANS/TRUCK		CHATHAM COUNTY REGION	
SM-CONT SOIL FEE 5		CHATHAM COUNTY REGION	
ENVIRONMENTAL FEE			
FUEL RECOVERY			
QTY.	UNIT		
17.69	EA		
0.00	YD		
17.69	TN		
1.00			
1.00			

SITE	TICKET #	CELL
01	9434869	
WEIGHMASTER	DATE/TIME OUT	
Michelle J.	2-10-2014 2:34 PM	
DATE/TIME IN	CONTAINER	
12-10-2014		
VEHICLE		
BN-32		
REFERENCE		
2204127		
BILL OF LADING		
NET TONS	17.69	
NET WEIGHT	35,380	
RATE		
EXTENSION		
TAX		
TOTAL		

SIGNATURE

Michelle J.

I, the undersigned individual, signing this document on behalf of Customer, acknowledge that he or she has read and understands the terms and conditions on the reverse side and he or she has the authority to sign this document on behalf of the customer.

REGISTRATION (07/12)

PAID
TENDERED
CASH
CHECK



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) Clarence Little			d. Signature <i>Clarence Little</i>		e. Date 12/10/14

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		b. Phone: 912.954.2812	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) <i>M. Little</i>		f. Signature <i>M. Little</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 912-964-2812 PORT WENTWORTH, GA	
CUSTOMER		100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787	

SITE	TICKET #	CELL
01	943494	
WEIGHMASTER		
Michelle J.		
DATE/TIME IN	DATE/TIME OUT	
12-10-2014 2:47 PM	12-10-2014 2:47 PM	
CONTAINER		
VEHICLE		
BN-31		
REFERENCE		
2204128		
BILL OF LADING		
INVOICE		

SCALE IN	GROSS WEIGHT	NET TONS	NET WEIGHT	RATE	EXTENSION	TAX	TOTAL
SCALE OUT	23,540	19.03	38,060				
CHATHAM COUNTY REGION							
CHATHAM COUNTY REGION							
QTY.	UNIT	DESCRIPTION					
19.03	EA	FEE-HAUL/TRANS/TRUCK					
30.00	YD	SW-CONT SOIL					
19.03	TN	ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
1.00							

[Signature]

SIGNATURE

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-FM2UPR (07/12)

NET AMOUNT
TENDERED
CHANGE
CHECKS

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	Type	n. Total Quantity
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) PAUL GAZZO	q. Signature <i>Paul Gazzo</i>	r. Date 12/9/14
--	-----------------------------------	--------------------

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X RN GRIFTH	d. Signature <i>X RN C</i>	e. Date X 12/10/14

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		b. 912.954.2812	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) <i>M. C. C. C.</i>	f. Signature <i>M. C. C. C.</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	
		912-964-2812	
PORT WENTWORTH, GA			
CUSTOMER			
100014			
A & D Environmental Services, LLC			
1741 Calks Ferry Rd.			
Lexington, SC 29073			
31101420787			

SITE	TICKET #	CELL
01	943495	
WEIGHMASTER		
Michelle J.		
DATE/TIME IN	DATE/TIME OUT	
12-10-2014	2:49 PM	12-10-2014
CONTAINER		
VEHICLE		
BN-702		
REFERENCE		
2204129		
BILL OF LADING		
INVOICE		

31101420787		NET TONS		16.84	INBOUND	
SCALE IN	GROSS WEIGHT	60,320	NET WEIGHT	33,680	TOTAL	
SCALE OUT	TARE WEIGHT	26,640				
DESCRIPTION						
		CHATHAM COUNTY REGION				
		CHATHAM COUNTY REGION				
QTY.	UNIT	FEE-HAUL/TRANS/TRUCK				
16.84	EA					
20.00	YD					
16.84	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
NET AMOUNT						
TENDERED						
CHANGE						

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-F0421JPR (07/12)

TENDERED
CHANGE
CHECKS

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			BN 702		
b. Phone: 912.412.2402					
c. Driver Name (Print) X Kevin Byrnes		d. Signature X K Byrnes		e. Date X 12/10/14	

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		b. 912.954.2812	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) <i>M. C. C.</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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			

RS-FAZUPR (07/12)

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]*

NET AMOUNT
TENDERED
CHANGE
CHECKS

INVOICE		DATE/TIME OUT 2:59 PM		DATE/TIME IN 2:59 PM		CONTAINER		WEIGHMASTER Michelle J.		TICKET # 943499		SITE 01	
TOTAL		TAX		EXTENSION		RATE		NET TONS		NET WEIGHT		DESCRIPTION	
43,360		21.68		43,360		21.68		CHATHAM COUNTY REGION		CHATHAM COUNTY REGION		FEE-HAUL/TRANS/TRUCK	
21.68		20.00		21.68		21.68		ENVIRONMENTAL FEE 5		ENVIRONMENTAL FEE 5		FUEL RECOVERY FEE 5	
1.00		1.00		1.00		1.00		SCALE IN		SCALE OUT		QTY.	
31101420787		Lexington, SC 29073		A & D Environmental Services, LLC		PORT WENTWORTH, GA		84 CLIFTON BLVD		912-964-2812		SAVANNAH REGIONAL LANDFILL	
100014		CUSTOMER		1741 Calks Ferry Rd.		1741 Calks Ferry Rd.		Lexington, SC 29073		31101420787		GROSS WEIGHT	
70,760		27,400		TARE WEIGHT		GROSS WEIGHT		70,760		27,400		TARE WEIGHT	



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity	o. Unit Wt/Vol
31101420767		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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i> (As Agent for Generator)		r. Date 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		
b. Phone: 5308		
c. Driver Name (Print) X Jeff Lastinger	d. Signature <i>Jeff Lastinger</i>	e. Date X 12/12/14

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		b. US EPA Number 912.964.2812	c. 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) <i>Mike</i>		f. Signature <i>Mike</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) K. Sharrel Little	d. Signature <i>K. Sharrel Little</i>	e. Date 12/10/14

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		b. 912.954.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	
PORT WENTWORTH, GA		84 CLIFTON BLVD 912-964-2812	
CUSTOMER		100014	
A & D Environmental Services, LLC		1741 Calks Ferry Rd.	
Lexington, SC 29073		31101420787	
SCALE IN	GROSS WEIGHT	60,120	NET TONS
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT
DESCRIPTION		CHATHAM COUNTY REGION	
FEE-HAUL/TRANS/TRUCK		CHATHAM COUNTY REGION	
QTY.	UNIT		
18.06	EA		
0.00	YD		
18.06	TN		
1.00			
1.00			

SITE	TICKET #	CELL
01	943504	
WEIGHMASTER		
Michelle J.		
DATE/TIME IN	DATE/TIME OUT	
12-10-2014 3:22 PM	12-10-2014 3:22 PM	
VEHICLE		
BN-32		
REFERENCE		
2204132		
BILL OF LADING		
INVOICE		

TOTAL	INBOUND
TAX	
EXTENSION	
RATE	
NET AMOUNT	
CHECKS	
CHANGE	
TENDERED	

RS-F0421PRK (07/12)

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]*



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: ADD 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/19/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN 32 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Clarence Little	d. Signature X Clarence Little	e. Date 12/11/14

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		b. Phone: 912.964.2812	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) <i>Michael</i>	f. Signature <i>Michael</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 31104
912-964-2812

CUSTOMER
100014 Environmental Services, LLC
A & D Calks Ferry Rd.
1741 Lexington, SC 29073
31101420787

SCALE IN	SCALE OUT
EA	EA
18.40	18.40
20.00	20.00
18.40	18.40
1.00	1.00
1.00	1.00

CHATHAM COUNTY REGION

GROSS WEIGHT 63,120
TARE WEIGHT 26,320
NET WEIGHT 36,800

DESCRIPTION
FEE-HAUL/TRANS/TRUCK
SW-CONT SOIL FEE
ENVIRONMENTAL FEE
FUEL RECOVERY FEE

TICKET # 943505
SITE 01
WEIGHMASTER Michelle J.
DATE IN 12-10-2014
VEHICLE BN-30
REFERENCE 2204133
BILL OF LADING

DATE OUT 12-10-2014
CONTAINER
INVOICE

18.40
36,800
EXTENSION
TAX
TOTAL

INBOUND

SIGNATURE

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.

AMOUNT
TENDERED
CHANGE
CHECK

12-10-2014 10:11:12

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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.						
PAUL GAZZO		Paul Gazzo AS Agent For Generator		12/9/14		
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: BN Trucking 1027 Bacon Road Hinesville, GA 31313			BN30		
b. Phone: 912.412.2402					
c. Driver Name (Print) X <i>Diego Lannak</i>		d. Signature X <i>[Signature]</i>		e. Date X 12/10/14	

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		b. 912.954.2812	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) <i>Michael</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		TICKET #		CELL	
CUSTOMER		PORT WENTWORTH, GA 912-964-2812		01		943505	
100014		84 CLIFTON BLVD		WEIGHMASTER			
A & D Environmental Services, LLC		1741 Calks Ferry Rd.		DATE/TIME IN		DATE/TIME OUT	
Lexington, SC 29073		31101420787		12-10-2014 3:24 PM		12-10-2014 3:24 PM	
				VEHICLE		CONTAINER	
				BN-30			
				REFERENCE		INVOICE	
				2204133			
				BILL OF LADING			

QTY.	UNIT	DESCRIPTION	NET TONS	NET WEIGHT	GROSS WEIGHT	TARE WEIGHT	SCALE IN	SCALE OUT	RATE	EXTENSION	TAX	TOTAL
18.40	EA	FEE-HAUL/TRANS/TRUCK	18.40	36,800	63,120	26,320						
20.00	YD	CHATHAM COUNTY REGION										
18.40	TN	CHATHAM COUNTY REGION										
1.00		SW-CONT SOIL										
1.00		ENVIRONMENTAL FEE 5										
		FUEL RECOVERY FEE										

NET AMOUNTS	
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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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			b. Phone: 912.412.2402		
c. Driver Name (Print) J. C. Hall			d. Signature <i>J. C. Hall</i>		e. Date 12/10/14

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		b. Phone: 912.964.2812	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) <i>Mike</i>		f. Signature <i>Mike</i>		g. Date 12-10-14

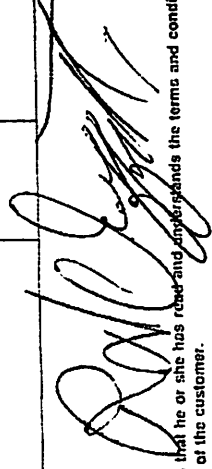
IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		TICKET # 943507 CELL	
CUSTOMER 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787		WEIGHMASTER Michelle J. DATE/TIME IN 12-10-2014 3:32 PM DATE/TIME OUT 12-10-2014 3:32 PM VEHICLE BN-31 CONTAINER 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				
30.00	YD					
19.81	TN	CHATHAM COUNTY REGION				
1.00		SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
		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

NET AMOUNT

TENDERED

CHANGE

CHECK #



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) BRN GRIFFIN	d. Signature <i>BRN Griffin</i>	e. Date 12/10/14

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		b. 912.954.2812	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) <i>Paul Gazzo</i>		f. Signature <i>Paul Gazzo</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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			

SCALE IN SCALE OUT			GROSS WEIGHT	TARE WEIGHT
QTY.	UNIT			
17.02	EA			
20.00	FFB		60,680	

DATE	DESCRIPTION	NET TONS	NET WEIGHT	INVOICE
17.02	SW-HAUL/TRANS/TRUCK	26,640		
1.00	ENVIRONMENTAL FEE 5		17.02	
1.00	FUEL RECOVERY FEE		34,040	
	CHATHAM COUNTY REGION			
	CHATHAM CO			
				INBOUND

Stop.

NET AMOUNT
TENDERED
CHANGE
CHECKS

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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.					
PAUL GAZZO		Paul Gazzo (As Agent for Generator)		12/9/14	
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 912.412.2402			BN 702-		
b. Phone:					
c. Driver Name (Print) Kevin B. Jones		d. Signature K. B. Jones		e. Date 12/10/14	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407 912.954.2812		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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 LANEFILL
 84 CLIFTON BLVD
 912-964-2812
 PORT WENTWORTH, GA
 CUSTOMER
 100014
 A & D Environmental Services, LLC
 A & D Environmental Services, LLC
 1741 Calks Ferry Rd.
 Lexington, SC 29073
 31101420787

TICKET #		943509		CELL	
SITE		01		WEIGHMASTER	
DATE/TIME IN		12-10-2014		DATE/TIME OUT	
12-10-2014		3:43 PM		12-10-2014	
VEHICLE		NE-5308		CONTAINER	
REFERENCE		2204137		INVOICE	
BILL OF LADING		2204137			
NET TONS		21.79		INBOUND	
NET WEIGHT		43,580		TAX	
GROSS WEIGHT		70,980		EXTENSION	
TARE WEIGHT		27,400		RATE	
SCALE IN		CHATHAM COUNTY REGION		TOTAL	
SCALE OUT		CHATHAM COUNTY REGION			
QTY.	UNIT	DESCRIPTION			
21.79	EA	FEE-HAUL/TRANS/TRUCK			
20.00	YD	SW-CONT SOIL			
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 Taylor*



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) <i>Jeff Hastings</i>		d. Signature <i>Jeff Hastings</i>	
		e. Date 12/10/14	

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		b. 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		TICKET # 01 943513 WEIGHMASTER Michelle J.		CELL DATE/TIME IN 12-10-2014 4:01 PM DATE/TIME OUT 12-10-2014 4:01 PM CONTAINER RE-03-20 REFERENCE 332 BILL OF LADING INVOICE	
CUSTOMER 100033 EMD CHEMICALS, INC. P.O. BOX 1206 PURCHASE ORDER# 4550153516 3110122443-1					

QTY.	UNIT	DESCRIPTION	SCALE IN	GROSS WEIGHT	NET TONS	NET WEIGHT	RATE	EXTENSION	TAX	TOTAL
20.00	YD	TRACKING QTY		39,860	2.92					
2.92	TN	SW-FILTER CAKE		34,020			5,840			
		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



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: Add 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.	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) PAUL GARZO		q. Signature <i>Paul Garzo AS Agent for Generator</i>		r. Date 12/19/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Bacon Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		b. Phone:	
c. Driver Name (Print) K SHARROW LITTLE		d. Signature <i>K Sharrow Little</i>	
e. Date 12/10/14		f. Date	

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 912.954.2812		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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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	943514		
WEIGHMASTER		Michelle J.	
DATE/TIME IN		DATE/TIME OUT	
12-10-2014 4:08 pm		12-10-2014 4:08 pm	
VEHICLE		CONTAINER	
BN-32			
REFERENCE		INVOICE	
2204139			
BILL OF LADING			

1741 Calkins Lexington, SC 29073 31101420787		GROSS WEIGHT TARE WEIGHT		60,620 24,000		NET TONS NET WEIGHT		18.31 36,620		INBOUND		TOTAL							
SCALE IN SCALE OUT		DESCRIPTION										RATE		EXTENSION		TAX		TOTAL	
QTY.	UNIT	FEE-HAUL/TRANS/TRUCK																	
18.31	EA	CHATHAM COUNTY REGION																	
0.00	YD	CHATHAM COUNTY REGION																	
18.31	TN	SW-CONT SOIL																	
1.00		ENVIRONMENTAL FEE 5																	
1.00		FUEL RECOVERY FEE																	
NET AMOUNT																			
TENDERED																			
CHANGE																			

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]*



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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.

PAUL GAZZO
p. Generator Authorized Agent Name (Print) Paul Gazzo AS Agent For Generator 12/9/14
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		
b. Phone: 912.412.2402		
BN 32		
c. Driver Name (Print) Clarence Little	d. Signature Clarence Little	e. Date 12/10/14

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		c. US EPA Number	d. Discrepancy Indication Space:
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) M. Little		f. Signature M. Little	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
FORT WENTWORTH, GA 912-964-2812

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
3101420787

SITE 01 **TICKET #** 943515 **CELL**

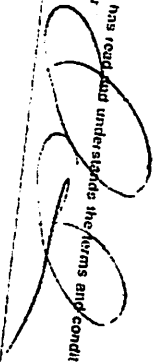
WEIGHMASTER Michelle J
DATE/TIME IN 12-10-2014 4:10 PM **DATE/TIME OUT** 12-10-2014 4:10 PM
VEHICLE BN-30 **CONTAINER**
REFERENCE 2204140
BILL OF LADING

SCALE IN		GROSS WEIGHT	63,060	NET TONS	18.37	INBOUND	
SCALE OUT		TARE WEIGHT	26,320	NET WEIGHT	36,740		
QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.37	EA	FEE-HAUL/TRANS/TRUCK					
20.00	YD	SW-CONT SOIL					
18.37	TN	ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
1.00		CHATHAM COUNTY REGION					
		CHATHAM COUNTY REGION					

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-FM2UPR (07/12)

SIGNATURE



NET AMOUNT

TENDERED

CHANGE

CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/9/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) x <i>Chelle Lammack</i>	d. Signature <i>Chelle Lammack</i>	e. Date x 12/12/14	

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		b. Phone: 912.964.2812	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) <i>M. Allen</i>		f. Signature <i>M. Allen</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 943516 CELL
WEIGHMASTER
MICHELLE J.
DATE/TIME IN 12-10-2014 4:12 PM
VEHICLE BN-28
REFERENCE 2204141
DATE/TIME OUT 12-10-2014 4:12 PM
CONTAINER
BILL OF LADING

SCALE IN SCALE OUT
GROSS WEIGHT 56,240
TARE WEIGHT 22,760
NET TONS
NET WEIGHT 33,480
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.74	EA	FEE-HAUL/TRANS/TRUCK	16.74			
20.00	YD					
16.74	TN	CHATHAM COUNTY REGION	33,480			
1.00		SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
		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 O. S. Hall



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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.					
PAUL GAZDO		Paul G. Gazdo, AS Agent for Generator		12/9/14	
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: BN Trucking 1027 Bacon Road Milledgeville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) J. C. Hall		d. Signature J. C. Hall
		e. Date 12/10/14

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		b. US EPA Number 912.964.2812	c. 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) MICHAEL		f. Signature Michael	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	
QTY.	UNIT	SCALE IN	SCALE OUT
18.67	EA		
30.00	YD		
18.67	TN		
1.00			
1.00			

GROSS WEIGHT		60,880	
TARE WEIGHT		23,540	
NET WEIGHT		37,340	
NET TONS		18.67	
RATE		37,340	
EXTENSION		INBOUND	
TAX		TOTAL	
FEE-HAUL/TRANS/TRUCK		CHATHAM COUNTY REGION	
SW-CONT SOIL		CHATHAM COUNTY REGION	
ENVIRONMENTAL FEE			
FUEL RECOVERY			

SIGNATURE _____

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.

NET AMOUNT
TENDERED
CHANGE
CHECKS

SITE	TICKET #	CELL
01	943518	
WEIGHMASTER	MICHELLE J.	
DATE/TIME IN	DATE/TIME OUT	
12-10-2014 4:17 PM	12-10-2014 4:17 PM	
VEHICLE	CONTAINER	
BN-31		
REFERENCE	INVOICE	
2201142		
BILL OF LADING		



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regulated Soil	1 Dump		Tons
<p>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>					
p. Generator Authorized Agent Name (Print) PAUL GAZD			q. Signature <i>Paul Gazd</i> (AS Agent For Generator)		r. Date 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		
b. Phone: 912.412.2402		
c. Driver Name (Print) x <i>RN Griffith</i>	d. Signature x <i>RN Griffith</i>	e. Date 12/10/14

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		b. US EPA Number 912.964.2812	c. 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) <i>Mike</i>		f. Signature <i>Mike</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> Both % Friable % Non-Friable			
<p>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.</p>			
g. Operator's Name and Title (Print)		i. Date	
h. Signature			
*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			

CHATHAM COUNTY REGIONAL LANDFILL
 11 CALKS FERRY RD.
 WASHINGTON, SC 29073
 803-761-2812

DATE: 01/11/14
 TIME: 10:00 AM
 SCALE IN: 17,600
 SCALE OUT: 26,640
 TARE WEIGHT: 61,840
 NET WEIGHT: 26,640
 NET TONS: 17.60
 RATE: 17.60
 EXTENSION: 35,200
 TAX: 10.00
 TOTAL: 45,200

CHATHAM COUNTY REGION
 SW-CONT SOIL
 ENVIRONMENTAL FEE 5
 FUEL RECOVERY FEE

SIGNATURE: *[Signature]*

NET AMOUNT: 45,200.00
 TAX: 10.00
 TOTAL: 45,210.00

The undersigned hereby certifies that the information on this invoice is true and correct to the best of his knowledge and belief.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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.

PAUL GARZZO	Paul Garzzo as Agent for Generator	12/9/14
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: BN Trucking 1027 Bacon Road Hinesville, GA 31313		BN 702	
b. Phone: 912.412.2402			
Kevin Byrnes	K. Byrnes	12/10/14	
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: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407		c. US EPA Number 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	
	3101420787	

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	CONTAINER	
BN-32		
REFERENCE	INVOICE	
2204144		
BILL OF LADING		

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.41	EA	FEE-HAUL/TRANS/TRUCK				
0.00	YD	CHATHAM COUNTY REGION	17.41			
17.41	TN	CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
SCALE IN			58,820	NET TONS	17.41	
SCALE OUT			24,000	TARE WEIGHT	34,820	
				NET WEIGHT		INBOUND

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12) 2/21

SIGNATURE W. H. H. H.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL GAZZO	q. Signature Paul Gazzo (AS Agent for Generator)	r. Date 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 912.412.2402		
b. Phone:		
c. Driver Name (Print) Clarence Little	d. Signature Clarence Little	e. Date 12/11/14

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 912.954.2812		c. US EPA Number	d. Discrepancy Indication Space:
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) [Signature]		f. Signature [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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

AWP

SAVANNAH REGIONAL LANDFILL

24 CLIFTON BLVD

PO BOX 100000, SA

912-964-2812

CUSTOMER

DATE

A & I Environmental Services, LLC

1741 Jakes Ferry Rd.

Lewinston, SC 29073

PHONE

SITE 01	TICKET # 943529	CELL
WEIGHMASTER Susan D		
DATE/TIME IN 12-11-2014 7:38 am		DATE/TIME OUT 12-11-2014 7:38 am
VEHICLE NE-5308		CONTAINER
REFERENCE 2204146		
BILL OF LADING		INVOICE

SCALE IN	GROSS WEIGHT	71,820	NET TONS	22.21
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	44,420

INBOUND

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.21	EA	FEE-HAUL/TRANS/TRUCK				
20.00	EA	CHATHAM COUNTY REGION				
22.21	EA	SW-CONT SOIL				
1.00	EA	CHATHAM COUNTY REGION				
1.00	EA	ENVIRONMENTAL FEE 1				
1.00	EA	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.

2/21

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK#



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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.

PAUL GAZZO		Paul Gazzo (AS Agent For Generator)		12/9/14	
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: Dan Hines 1027 Bacon Road Hinesville, GA 31313 912.412.2402		b. Phone:			
c. Driver Name (Print) Paul Gazzo		d. Signature Paul Gazzo		e. Date 12/11/14	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407		c. US EPA Number 912.954.2812	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

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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				
25.00	YD	CHATHAM COUNTY REGION				
20.21	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

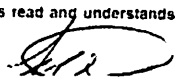
NET AMOUNT

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.





**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GARZO	q. Signature <i>Paul Garzo</i>	r. Date 12/9/14
--	-----------------------------------	--------------------

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BIN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) John Davis	d. Signature <i>John Davis</i>	e. Date 12/11/14

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		b. Phone: 912.954.2812	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) <i>John Davis</i>		f. Signature <i>John Davis</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

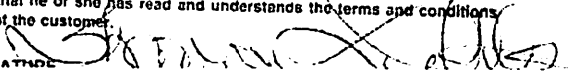
SITE	SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812
CUSTOMER	100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787

SITE	TICKET #	CELL
01	943533	
WEIGHMASTER Susan D.		
DATE/TIME IN 12-11-2014 7:45 am		DATE/TIME OUT 12-11-2014 7:45 am
VEHICLE BN-22		CONTAINER
REFERENCE 2204147		
BILL OF LADING		INVOICE

SCALE IN		GROSS WEIGHT		65,340	NET TONS		21.93	INBOUND	
SCALE OUT		TARE WEIGHT		21,480	NET WEIGHT		43,860		
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 



**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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.						
PAUL GARZO		Paul Garzo AS Agent For Generator		12/19/14		
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: BN Trucking 1027 Bacon Road Hinesville, GA 31313			b. Phone: 912.412.2402		
c. Driver Name (Print) * Sharon Little			d. Signature * Sharon Little		e. Date 12/11/14

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 912.954.2812		b. 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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	
01		943534			
WEIGHMASTER		DATE/TIME OUT		7:48 am	
SUSAN D.		12-11-2014		CONTAINER	
DATE/TIME IN		7:48 am		INVOICE	
12-11-2014					
VEHICLE		BN-702			
REFERENCE		2204148			
BILL OF LADING		INBOUND		TOTAL	
18.69		37,380			
NET TONS		NET WEIGHT			
64,020		26,640			
GROSS WEIGHT		TARE WEIGHT			
31101420787					
SCALE IN		DESCRIPTION			
SCALE OUT		CHATHAM COUNTY REGION			
		CHATHAM COUNTY REGION			
QTY.	UNIT	FEE-HAUL/TRANS/TRUCK			
18.69	EA	FEE-CONT SOIL			
20.00	YD	SW-CONT SOIL			
18.69	TN	ENVIRONMENTAL FEE			
1.00		FUEL RECOVERY FEE			
1.00					
		NET AMOUNT		TENDERED	
				CHANGE	
				CHECK#	

SAVANNAH REGIONAL LANDFILL
 84 CLIFTON BLVD 912-964-2812
 PORT WENTWORTH, GA
 CUSTOMER
 100014
 A & D Environmental Services, LLC
 1741 Calks Ferry Rd.
 Lexington, SC 29073
 31101420787

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. Brown
 SIGNATURE



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo (As Agent for Generator)</i>		r. Date 12/9/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: B&B Moving 1027 Bacon Road Hinesville, GA 31313 912.412.2402			b. Phone:		
c. Driver Name (Print) K. Byrne		d. Signature <i>K. Byrne</i>		e. Date 12/11/14	

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 912.954.2812		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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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	
CUSTOMER	PORT WENTWORTH, GA	912-964-2812
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
VEHICLE		CONTAINER
BN-32		
REFERENCE		
2204149		
BILL OF LADING		
INVOICE		

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					
0.00	YD	CHATHAM COUNTY REGION					
19.12	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
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

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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) Paul GA 220		q. Signature Paul GA 220 (AS Agent for Generator)		r. Date 12/19/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Clarence Little	d. Signature X Clarence Little	e. Date 12/11/14

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 912.954.2812		b. US EPA Number	c. 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	

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

QTY.	UNIT	DESCRIPTION	SCALE IN	SCALE OUT	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET TONS
22.06	EA	FEE-HAUL/TRANS/TRUCK			71,520	27,400		22.06
20.00	YD	SW-CONT SOIL						44,120
22.06	TN	ENVIRONMENTAL FEE 5						
1.00		FUEL RECOVERY						
1.00								

CHATHAM COUNTY REGION

TICKET # 943545

WEIGHMASTER 01

SUSAD. D. 12-11-2014

DATE/TIME IN 8:30 AM

DATE/TIME OUT 8:30 AM

VEHICLE NE-5308

REFERENCE 2204150

INVOICE

BILL OF LADING

CELL

INBOUND

TOTAL

NET AMOUNT

TENDERED

CHANGE

CHECKS

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

RS-F0A2UPK (07/12)

SIGNATURE *[Signature]*

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO			q. Signature <i>Paul Gazzo AS Agent For Generator</i>		r. Date 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		
b. Phone:		
c. Driver Name (Print) JEFF LARSEN	d. Signature <i>Jeff Larsen</i>	e. Date 12/11/14

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 912.954.2812		c. US EPA Number	d. Discrepancy Indication Space:
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 <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	12-11-2014	8:35 am
DATE/TIME OUT	12-11-2014	8:35 am
VEHICLE	BN-22	CONTAINER
REFERENCE	2204001	
BILL OF LADING	INVOICE	

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					
20.00	YD	CHATHAM COUNTY REGION					
22.38	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
		CHATHAM COUNTY REGION					

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) 221

SIGNATURE 

NET AMOUNT
TENDERED
CHANGE
CHECK#



NON-HAZARDOUS SPECIAL 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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Fleet Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) T. N. G. Allen		q. Signature <i>T. N. G. Allen</i>		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: B&B Waste 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) Sharon Little	d. Signature <i>Sharon Little</i>	e. Date 12/11/14	

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		c. US EPA Number 912.954.2812	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	

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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	1C0014 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 ar	
VEHICLE	CONTAINER	
BN-29		
REFERENCE	INVOICE	
2204002		
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				
25.00	YD	CHATHAM COUNTY REGION				
20.07	TN	SW-CONT SOIL				
1.00		CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
		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.

NET AMOUNT
TENDERED
CHANGE
CHECK#

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	Type	n. Total Quantity
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) PAUL GAZZIO	q. Signature <i>Paul Gazzio</i>	r. Date 12/10/14
---	------------------------------------	---------------------

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		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Jim O'Neil	d. Signature X <i>[Signature]</i>	e. Date X 12/11/14

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		c. US EPA Number 912.954.2812	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) <i>[Signature]</i>	f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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 100C14
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE 01	TICKET # 943551	CELL
WEIGHMASTER SUSAC D		
DATE/TIME IN 12-11-2014	8:44 am	DATE/TIME OUT 12-11-2014 8:44 am
VEHICLE BN-702		CONTAINER
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				
20.00	YD	CHATHAM COUNTY REGION				
17.42	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
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.

12/11/2014

**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZU		q. Signature Paul Gazzu (as agent for generator)		r. Date 12/13/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) Karin Byrnes		d. Signature K. Byrnes
		e. Date 12/13/14

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		c. US EPA Number 912.954.2812	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) [Signature]		f. Signature [Signature]	g. Date 12-13-14

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 943559		CELL	
WEIGHMASTER		DATE/TIME OUT 12-11-2014 9:14 am		INVOICE	
SUSAN D.		DATE/TIME IN 12-11-2014 9:14 am			
VEHICLE		BN-32			
REFERENCE		2204003			
BILL OF LADING		INBOUND		TOTAL	
18.29		36,580			
NET TONS		NET WEIGHT			
60,580		24,000			
GROSS WEIGHT		TARE WEIGHT			
31101420787					
SCALE IN		SCALE OUT			
DESCRIPTION		CHATHAM COUNTY REGION			
FEE-HAUL/TRANS/TRUCK		CHATHAM COUNTY REGION			
QTY.	UNIT				
18.29	EA	FEE-HAUL/TRANS/TRUCK			
0.00	YD	SW-CONT SOIL FEE 5			
18.29	TN	ENVIRONMENTAL FEE			
1.00		FUEL RECOVERY			
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

[Signature]



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL G. HARTZ			q. Signature [Signature]		r. Date 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) X. Clarence Little	d. Signature [Signature]	e. Date 12/11/14

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		c. US EPA Number 912.954.2812	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

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 943561	CELL
WEIGHMASTER Susan D.		
DATE/TIME IN 12-11-2014 9:18 am		DATE/TIME OUT 12-11-2014 9:18 am
VEHICLE NE-5308		CONTAINER
REFERENCE 2204004		
BILL OF LADING		

INVOICE

SCALE IN		GROSS WEIGHT		NET TONS			
SCALE OUT		TARE WEIGHT		NET WEIGHT			
		72,900		22.75			
		27,400		45,500		INBOUND	
QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
22.75	EA	FEE-HAUL/TRANS/TRUCK					
20.00	YD	CHATHAM COUNTY REGION					
22.75	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
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]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GAZZIO	q. Signature <i>[Signature]</i>	r. Date 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: 5305		
c. Driver Name (Print) SCOTT L. OSBORN	d. Signature <i>[Signature]</i>	e. Date 12/10/14

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 912.954.2812		b. US EPA Number	c. 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) SD	f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
CUSTOMER	PORT WENTWORTH, GA 912-964-2812
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	CONTAINER	
BN-22		
REFERENCE	INVOICE	
2204005		
BILL OF LADING		

SCALE IN		GROSS WEIGHT	67,540	NET TONS	23.03	INBOUND	
SCALE OUT		TARE WEIGHT	21,480	NET WEIGHT	46,060		
QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
23.03	EA	FEE-HAUL/TRANS/TRUCK					
20.00	YD	CHATHAM COUNTY REGION					
23.03	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
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

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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GRIFFIN	q. Signature <i>Paul Griffin</i>	r. Date 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) SHARON L. HINES	d. Signature <i>Sharon Hines</i>	e. Date 12/11/14

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	b. 912.954.2812	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) <i>DD</i>	f. Signature <i>DD</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 Environmental Services, LLC A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787	
QTY.	UNIT	SCALE IN	GROSS WEIGHT
21.34	EA	SCALE OUT	TARE WEIGHT
25.00	YD		
21.34	TN		
1.00			
1.00			

SITE	TICKET #	CELL
01	943568	
WEIGHMASTER		
Susan D.		
DATE/TIME IN	DATE/TIME OUT	
12-11-2014 9:38 AM	12-11-2014 9:38 AM	
VEHICLE	CONTAINER	
BN-29		
REFERENCE		
2204006		
BILL OF LADING		

NET AMOUNT
TENDERED
CHANGE
CHECKS

RS-104-001PR (07/12)

221

SIGNATURE

[Signature]

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.

**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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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.

PAUL GAZZO	Paul Gazzo (as agent for generator)	12/10/14
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: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) Jim Davis	d. Signature <i>[Signature]</i>	e. Date 12/11/14

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		b. 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	943571	
WEIGHMASTER		
Susan D		
DATE/TIME IN	DATE/TIME OUT	
12-11-2014 9:46 am	12-11-2014 9:46 am	
VEHICLE	CONTAINER	
BN-702		
REFERENCE		
2204007		
BILL OF LADING		
		INVOICE

QTY.	UNIT	DESCRIPTION	SCALE IN	SCALE OUT	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET TONS	RATE	EXTENSION	TAX	TOTAL
18.95	EA	FEE-HAUL/TRANS/TRUCK			64,540	26,640	NET WEIGHT	18.95				
20.00	YD	SW-CONT SOIL						37,900				
18.95	TN	ENVIRONMENTAL FEE 5										
1.00		FUEL RECOVERY FEE										
1.00												
CHATHAM COUNTY REGION												

NET AMOUNT
TENDERED
CHANGE
CHECKS

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]*



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) DALL CHZTU			q. Signature [Signature]		r. Date 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) Kevin Byrnes	d. Signature [Signature]	e. Date 12/11/14

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		b. 912.964.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		TICKET #		943574		CELL	
CUSTOMER		PORT WENTWORTH, GA		WEIGHMASTER		01			
100014		84 CLIFTON BLVD		DATE/TIME IN		12-11-2014		DATE/TIME OUT	
A & D Environmental Services, LLC		912-964-2812		VEHICLE		9:57 am		12-11-2014	
1741 Calks Ferry Rd.				BN-32				CONTAINER	
Lexington, SC 29073				REFERENCE				INVOICE	
31101420787				BILL OF LADING					

QTY.	UNIT	DESCRIPTION	SCALE IN	GROSS WEIGHT	NET TONS	NET WEIGHT	SCALE OUT	TARE WEIGHT	NET WEIGHT	RATE	EXTENSION	TAX	TOTAL
20.04	EA	FEE-HAUL/TRANS/TRUCK			20.04					40,080			
0.00	YD	CHATHAM COUNTY REGION		64,080									
20.04	TN	CHATHAM COUNTY REGION		24,000									
1.00		SW-CONT SOIL											
1.00		ENVIRONMENTAL FEE 5											
		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.

221

RS-F042UPR (07/12)

SIGNATURE

Clarke A



**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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GAZZO			q. Signature <i>[Signature]</i>		r. Date 12/10/14

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) X Claron Little	d. Signature X Claron Little	e. Date 12/11/14

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		c. US EPA Number 912.954.2812	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) [Signature]		f. Signature [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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		TICKET #		943576		CELL	
CUSTOMER		PORT WENTWORTH, GA		WEIGHMASTER		01			
100014		84 CLIFTON BLVD		DATE/TIME IN		12-11-2014		DATE/TIME OUT	
A & D Environmental Services, LLC		912-964-2812		VEHICLE		12-11-2014 10:02 am		12-11-2014 10:02 am	
1741 Calks Ferry Rd.				REFERENCE		BN-22		INVOICE	
Lexington, SC 29073				BILL OF LADING		2204009			
31101420787									

QTY.	UNIT	DESCRIPTION	SCALE IN	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET TONS	RATE	EXTENSION	TAX	TOTAL
23.50	EA	FEE-HAUL/TRANS/TRUCK	SCALE IN	68,480	21,480	47,000	23.50				
20.00	YD	CHATHAM COUNTY REGION	SCALE OUT								
23.50	TN	CHATHAM COUNTY REGION									
1.00		SW-CONT SOIL									
1.00		ENVIRONMENTAL FEE 5									
		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



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL CHAZZO		q. Signature <i>Paul Chazzo</i>		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) SHARON L. HINES		d. Signature <i>Sharon L. Hines</i>	
e. Date 12/11/14			

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		b. Phone: 912.964.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 943583 CELL SUSAN D. WEIGHMASTER SUSAN D. DATE/TIME IN 12-11-2014 10:20 am DATE/TIME OUT 12-11-2014 10:20 am CONTAINER VEHICLE NE-5308 REFERENCE 2204010 BILL OF LADING INVOICE				
CUSTOMER 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787		SCALE IN GROSS WEIGHT 76,720 NET TONS 24.66 SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 49,320 INBOUND				
QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.66	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
24.66	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
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.

RS-F042UPR (07/12)

2/21

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK#



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: Add 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. 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) PAUL CHAZZ		q. Signature <i>Paul Chazz</i>		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BACON TRUCKING 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) K. J. Kestner	d. Signature <i>K. J. Kestner</i>	e. Date 12/11/14

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		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) [Signature]	f. Signature [Signature]	g. Date 12-11-14	

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

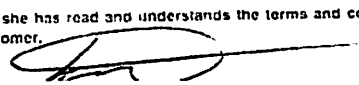
a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> Both % Friable % Non-Friable			
OPERATOR'S 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)		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	INVOICE	
2204012		
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					

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.



NET AMOUNT
TENDERED
CHANGE
CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Kneem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) Paul C. 7770		q. Signature <i>Paul C. 7770</i>		r. Date 12/12/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN 29 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Jim Ponce	d. Signature <i>Jim Ponce</i>	e. Date X 12/11/14

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		c. US EPA Number 912.954.2812	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 <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	13.16	
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				
20.00	YD	CHATHAM COUNTY REGION				
18.16	TN	SW-CONT SOIL				
1.00		CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
		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. Bruns



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) ALL GAZ 70		q. Signature <i>[Signature]</i>		r. Date 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) Kevin Byrnes	d. Signature <i>[Signature]</i>	e. Date 12/10/14	

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		b. Phone: 912.964.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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
C1	943589	
WEIGHMASTER		
SUSAN D.		
DATE/TIME IN	DATE/TIME OUT	
12-11-2014 10:42 am	12-11-2014 10:42 am	
VEHICLE	CONTAINER	
BN-32		
REFERENCE		
2204014		
BILL OF LADING		
INVOICE		

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.81	EA	FEE-HAUL/TRANS/TRUCK	19.81			
0.00	YD	CHATHAM COUNTY REGION				
19.81	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
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 *Chavira*



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	Type	n. Total Quantity
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) P. G. 270		q. Signature [Signature]		r. Date 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:		
c. Driver Name (Print) X Clarence Little	d. Signature X Clarence Little	e. Date 12/11/14

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		c. US EPA Number 912.964.2812	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	

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	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					
20.00	YD	CHATHAM COUNTY REGION					
21.75	TN	SK-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

[Signature]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL CHAZZO		q. Signature <i>Paul Chazzo AS Agent for Generator</i>		r. Date 12/10/14	

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		#22
b. Phone: 912.412.2402		
c. Driver Name (Print) N. HARRIS	d. Signature <i>N. Harris</i>	e. Date 12/11/14

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		b. 912.954.2812	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) <i>SD</i>		f. Signature <i>SD</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	
*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		i. Date	

CELL

INVOICE

SECRET # 943597

DATE/TIME OUT 12-11-2014 11:06 AM

CONTAINER

WEIGHTMASTER

DATE/TIME IN 12-11-2014 11:06 AM

VEHICLE

MP-5308

REFERENCE

2204016

BILL OF LADING

TOTAL

INBOUND

TAX

21.28

42,560

EXTENSION

RATE

NET TONS

NET WEIGHT

69,960

27,400

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

CHATHAM COUNTY REGION

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CHATHAM COUNTY REGION

SAVANNAH REGIONAL LANDFILL

12-11-2014

CLIFTON HIND

84

SAVANNAH REGIONAL LANDFILL

12-11-2014

CLIFTON HIND

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SAVANNAH REGIONAL LANDFILL

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12-11-2014

CLIFTON HIND

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SAVANNAH REGIONAL LANDFILL

12-11-2014

CLIFTON HIND

84

PORT WENTWORTH, LLC

100014 Environmental Rd.

A & D Ferry Rd.

1741 Calks SC 29073

Lexington, SC

31101420787

SCALE IN

SCALE OUT

UNIT

EA

YD

TU

21.28

20.00

21.28

1.00

1.00

FEE-HAUL/TRANS/TRUCK

FEE-HAUL/TRANS/TRUCK

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FEE-HAUL/TRANS/TRUCK

FEE-HAUL/TRANS/TRUCK

NET AMOUNT

TOTAL

CHANGE

CHECK #

221

PS1002JFR (07/12)

on the date of the order

the undersigned hereby certifies that this document is a true and correct copy of the original document

on behalf of Customer acknowledges that he or she has read and understands the terms and conditions of the contract

and agrees to be bound by the terms and conditions of the contract

and agrees to be bound by the terms and conditions of the contract

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**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. Type		n. Total Quantity
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) Paul Crutcher		q. Signature <i>Paul Crutcher</i>		r. Date 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:	
c. Driver Name (Print) Jeff Hastings		d. Signature <i>Jeff Hastings</i>	
e. Date 12/11/14			

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		b. US EPA Number 912.954.2812	c. 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) S.D.		f. Signature <i>S.D.</i>	
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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

NET AMOUNT
TENDERED
CHANGE
CHECKS

INBOUND		NET WEIGHT		CHATHAM COUNTY REGION	
TOTAL	TAX	EXTENSION	RATE	NET TONS	CHATHAM COUNTY REGION
			19.64	63,060	
			39,280	23,780	

INVOICE	DATE/TIME OUT	DATE/TIME IN	WEIGHMASTER	SUSAN D	VEHICLE	REFERENCE	BILL OF LADING
	12-11-2014 12:04 PM	12-11-2014 12:04 PM				2204017	
CELL	CONTAINER						
	12-11-2014						

SAVANNAH REGIONAL LANDFILL	
84 CLIFTON BLVD	
PORT WENTWORTH, GA	
912-964-2812	
CUSTOMER	
100014	
A & D Calks Ferry Rd.	
Lexington, SC 29073	
31101420787	
SCALE IN	
SCALE OUT	
TARE WEIGHT	
GROSS WEIGHT	
FEE-HAUL/TRANS/TRUCK	
SW-COAT SOIL	
ENVIRONMENTAL FEE 5	
FUEL RECOVERY FEE 5	

SIGNATURE _____

I, _____, and that he or she has the authority to sign this document on behalf of the customer.

I, _____, and that he or she has read and understands the terms and conditions



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) X Jim Davis	d. Signature <i>Jim Davis</i>	e. Date 12/11/14	

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		c. US EPA Number 912.964.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
 3101420787

QTY.	UNIT	SCALE IN	SCALE OUT	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET TONS	RATE	EXTENSION	TAX	TOTAL
21.88	EA	FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION									
20.00	YD										
21.88	TN										
1.00											
1.00		SM-CONT SOIL ENVIRONMENTAL FEE FUEL RECOVERY FEE									

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

SIGNATURE *[Signature]*

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.

NET AMOUNT
 TENDERED
 CHANGE
 CHECK#

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL CHAZZO		q. Signature <i>Paul Chazzo</i> (Authorized Agent)		r. Date 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) Jeff Lastinger		d. Signature <i>Jeff Lastinger</i>		e. Date 12/11/14	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clinton Blvd Port Wentworth, GA 31407		c. US EPA Number 912.964.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>	
		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) Pat G. Azzaro		q. Signature <i>Pat G. Azzaro</i>		r. Date 12/10/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN 22 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X. SHERRON LITTLE	d. Signature <i>X. Sherron Little</i>	e. Date 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Chilton Blvd Port Wentworth, GA 31407		c. US EPA Number 912.964.2812	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 <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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	
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			
BIN-32				INVOICE	
REFERENCE					
2204021					
BILL OF LADING					
SAVANNAH REGIONAL LANDFILL		NET TONS		INBOUND	
84 CLIFTON BLVD		63,300		19.65	
912-964-2812		NET WEIGHT		39,300	
PORT WENTWORTH, GA		24,000		TAX	
CUSTOMER					
100014					
A & D Environmental Services, LLC					
1741 Calks Ferry Rd.					
Lexington, SC 29073					
31101420787					
SCALE IN		GROSS WEIGHT		RATE	
SCALE OUT		TARE WEIGHT		EXTENSION	
				TOTAL	
QTY.		UNIT		DESCRIPTION	
19.65	EA	FEE-HAUL/TRANS/TRUCK		CHATHAM COUNTY REGION	
0.00	YD	SW-CONT SOIL		CHATHAM COUNTY REGION	
19.65	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 *[Signature]*



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PHIL GA 270		q. Signature <i>Phil GA 270</i>	r. Date 12/10/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X. Clavette Little	d. Signature <i>X. Clavette Little</i>	e. Date 12/11/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 64 Clifton Blvd Port Wentworth, GA 31407		b. 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 912-964-2812
 PORT WENTWORTH, GA

CUSTOMER
 100014
 A & D Environmental Services, LLC
 1741 Calks Ferry Rd.
 Lexington, SC 29073
 31101420787

SCALE IN GROSS WEIGHT 58,300
 SCALE OUT TARE WEIGHT 26,640
 DESCRIPTION
 CHATHAM COUNTY REGION

QTY.	UNIT	DESCRIPTION
15.83	EA	FEE-HAUL/TRANS/TRUCK
20.00	YD	SW-CONT SOIL
15.83	TN	ENVIRONMENTAL FEE
1.00		FUEL RECOVERY
1.00		

SITE	TICKET #	CELL
01	943622	
WEIGHMASTER		
SUSAN D		
DATE IN	12:45 PM	DATE OUT
12-11-2014		12-11-2014
CONTAINER		
INVOICE		
VEHICLE		
DN-702		
REFERENCE		
2204018		
BILL OF LADING		

NET TONS	NET WEIGHT	RATE	EXTENSION	TAX	TOTAL
15.83	31,660				

NET AMOUNT
TENDERED
CHANGE
CHECK#

SIGNATURE

[Signature]

I hereby signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions of this document and hereby authorizes the authority to sign this document on behalf of the customer.



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) Paul C. 19270		q. Signature <i>Paul C. 19270</i>		r. Date 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) Kevin Byrnes		d. Signature <i>Kevin Byrnes</i>	e. Date 12/10/14

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		b. Phone: 912.954.2812	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 <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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			



**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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) Paul GAZZO		q. Signature <i>[Signature]</i>		r. Date 12/10/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			
b. Phone: 912.412.2402			
c. Driver Name (Print) X Jim Daws		d. Signature <i>[Signature]</i>	e. Date 12/11/14

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		b. 912.954.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 311C1420787	

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				
20.00	YD	CHATHAM COUNTY REGION				
23.32	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

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#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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.					
PAUL G-AZZO		Paul G. Azzo AS Agent For Generator		12/10/14	
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		b. Phone: 912.412.2402	
c. Driver Name (Print) X Jeff Westinghouse		d. Signature X 12/11/14	
e. Date			

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 912.954.2812		b. US EPA Number	c. 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

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 # 943629	CELL
WEIGHMASTER Susan D.		
DATE/TIME IN 12-11-2014 1:02 pm		DATE/TIME OUT 12-11-2014 1:02 pm
VEHICLE BN-22		CONTAINER
REFERENCE 2204024		INVOICE
BILL OF LADING		

SCALE IN	GROSS WEIGHT	61,280	NET TONS	19.90
SCALE OUT	TARE WEIGHT	21,480	NET WEIGHT	39,800

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.90	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
19.90	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
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



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature [Signature]		r. Date 12/10/14	

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		b. Phone:	
c. Driver Name (Print) X SHARON LITTLE		d. Signature [Signature]	
e. Date 12/11/14			

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		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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
VEHICLE	CONTAINER	
BN-29		
REFERENCE		
2204025		
BILL OF LADING		INVOICE

QTY.	UNIT	DESCRIPTION	SCALE IN	GROSS WEIGHT	TARE WEIGHT	NET TONS	NET WEIGHT	RATE	EXTENSION	TAX	TOTAL
20.16	EA	FEE-HAUL/TRANS/TRUCK		64,100	23,780	20.16	40,320				
25.00	YD	CHATHAM COUNTY REGION									
20.16	TN	CHATHAM COUNTY REGION									
1.00		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

221

RS-F042UPR (07/12)



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature [Signature]		r. Date 12/10/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			BN 29		
b. Phone: 912.412.2402					
c. Driver Name (Print) X Jim Davis		d. Signature [Signature]		e. Date X 12/11/14	

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		b. 912.954.2812	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 [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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		
BILL OF LADING	INVOICE	

SCALE IN		GROSS WEIGHT	72,220	NET TONS	22.41	INBOUND	
SCALE OUT		TARE WEIGHT	27,400	NET WEIGHT	44,920		
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]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: 5308 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) X <i>Keith Hastings</i>		d. Signature <i>Keith Hastings</i>	
		e. Date 12/11/14	

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		c. US EPA Number 912.954.2812	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) <i>AS</i>		f. Signature <i>AS</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	INVOICE	
2204027		
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				
20.00	YD	CHATHAM COUNTY REGION				
21.77	TN	SW-CONT SOIL				
1.00		CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
		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.

NET AMOUNT
TENDERED
CHANGE
CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/10/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			b. Phone: 912.412.2402		
c. Driver Name (Print) X <i>Shirley Little</i>			d. Signature <i>Shirley Little</i>		e. Date 12/11/14

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		c. US EPA Number 912.954.2812	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) <i>Shirley Little</i>		f. Signature <i>Shirley Little</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) 12/10/11		q. Signature Paul Smith AS Agent for Generator		r. Date 12/10/11	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) Kevin Byrnes	d. Signature K. Byrnes	e. Date 12/10/11	

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		b. Phone: 912.964.2812	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 12-11-11

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
3101420787

SITE	TICKET #	CELL
01	943652	
WEIGHMASTER		
Susan D.	DATE/TIME IN	DATE/TIME OUT
12-11-2014	2:34 PM	2:34 PM
VEHICLE		CONTAINER
RN-29		
REFERENCE		INVOICE
2204030		
BILL OF LADING		

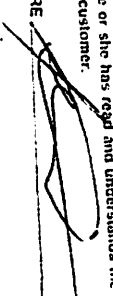
SCALE IN	GROSS WEIGHT	65,160	NET TONS	20.69	INBOUND
SCALE OUT	TARE WEIGHT	23,780	NET WEIGHT	41,380	

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.69	EA	FEE-HAUL/TRANS/TRUCK				
25.00	YD					
20.69	TN	CHATHAM COUNTY REGION				
1.00		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.

RS-FMZUPR (07/12) 2/21

SIGNATURE 



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: ADD 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.	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) PAUL AAZZO		q. Signature <i>Paul AAZZO</i>		r. Date 12/12/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN 29 1027 Bacon Road Hinesville, GA 31313	
b. Phone: 912.412.2402	
c. Driver Name (Print) X Jim Davis	d. Signature X <i>[Signature]</i>
e. Date X 12/11/14	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Cimmon Blvd Port Wentworth, GA 31407		c. US EPA Number 912.964.2812	d. Discrepancy Indication Space:
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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		
BILL OF LADING	INVOICE	

SCALE IN		GROSS WEIGHT	63,420	NET TONS	19.71	INBOUND	
SCALE OUT		TARE WEIGHT	24,000	NET WEIGHT	39,420		
QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
19.71	EA	FEE-HAUL/TRANS/TRUCK					
0.00	YD	CHATHAM COUNTY REGION					
19.71	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
1.00		FUEL RECOVERY FEE					
		CHATHAM COUNTY REGION					

NET AMOUNT
TENDERED
CHANGE
CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAUL GAZZ		q. Signature Paul Gazz		r. Date 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) X Clarence Little			d. Signature X Clarence Little		e. Date X 12/11/14

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 912.954.2812		b. US EPA Number	c. 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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
3101420787

SITE	TICKET #	CELL
01	943654	
WEIGHMASTER		
SUSAN D.		
DATE/TIME IN	DATE/TIME OUT	
12-11-2014	2:46 PM	2:46 PM
VEHICLE	CONTAINER	
NE-5308		
REFERENCE		
2204032		
BILL OF LADING		
		INVOICE

QTY	UNIT	DESCRIPTION	SCALE IN	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET TONS	RATE	EXTENSION	TAX	TOTAL
22.18	EA	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION	71,760	27,400	NET WEIGHT	22.18	44,360			
20.00	YD	SW-CONT SOIL	CHATHAM COUNTY REGION								
22.18	TN	ENVIRONMENTAL FEE									
1.00		FUEL RECOVERY									
1.00											

SIGNATURE *[Signature]*

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.

NET AMOUNT
TENDERED
CHANGE
CHECK\$



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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) Paul G. Hertz		q. Signature <i>[Signature]</i>		r. Date 12/10/14		

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			b. Phone:		
c. Driver Name (Print) X. J. F. L. Hines		d. Signature <i>[Signature]</i>		e. Date 12/11/14	

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 912.954.2812		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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

SEABOARD REGIONAL LANDFILL
84 CLIFTON BLVD
NORTH WENTWORTH, GA 912-964-2812

Environmental Services, LLC
1115 W. 10th St.
Tulsa, OK 74103

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	CONTAINER	
BN-22		
REFERENCE		
2204031		
BILL OF LADING	INVOICE	

GROSS WEIGHT	62,840	NET TONS	20.68
TARE WEIGHT	21,480	NET WEIGHT	41,360

INBOUND

DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
FEES-HAUL TRASH TRUCK				
CHATHAM COUNTY REGION				
CHATHAM COUNTY REGION				
CHATHAM COUNTY REGION				
CHATHAM COUNTY REGION				
CHATHAM COUNTY REGION				

NET AMOUNT

TENDERED

CASH

CHECK

I, the undersigned, hereby signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions of this invoice and that he or she has the authority to sign this document on behalf of the customer.

2/21

SIGNATURE

[Handwritten Signature]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) JAVEL 64220		q. Signature [Signature]		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313			5308 Rt BN22		
b. Phone: 912.412.2402					
c. Driver Name (Print) X JEFFERSON L. HICKS		d. Signature X [Signature]		e. Date X 12/11/14	

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		b. 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			

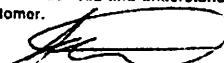
SITE	SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812
CUSTOMER	100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787

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	CONTAINER	
BN-29		
REFERENCE		
2204034	INVOICE	
BILL OF LADING		

SCALE IN		GROSS WEIGHT	63,960	NET TONS	20.09	INBOUND	
SCALE OUT		TARE WEIGHT	23,780	NET WEIGHT	40,180		
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.



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31406		e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>[Signature]</i>		r. Date 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) Tim Davis		d. Signature <i>[Signature]</i>	
e. Date 12/11/14		f. Date 12/11/14	

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		b. Phone: 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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	100C14 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	INVOICE	
2204035		
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

[Handwritten 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 GA		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Pneum Manufacturing Company 139 Brampton Road Savannah, GA 31405			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518		
f. Phone:			g. Phone:		
h. If owner of the generating facility differs from the generator, provide:			i. Owner's Phone No.:		
j. Waste Properties	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	n. Total Quantity	o. Unit Wt/Vol
31101420737		Non-Regulated Soil	1		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
		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: Savannah Regional Industrial Landfill 54 Clifton Blvd Port Wentworth, GA 31407	b. US EPA Number 912.964.2812	c. Discrepancy Indication Space:
d. 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> Both <input type="checkbox"/> % Friable <input type="checkbox"/> % 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)	i. Date
h. 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	TICKET #	CELL
01	943666	
WEIGHMASTER Susan D.		
DATE/TIME IN 12-11-2014 3:42 pm		DATE/TIME OUT 12-11-2014 3:42 pm
VEHICLE BN-22		CONTAINER
REFERENCE 2204036		INVOICE
BILL OF LADING		

SCALE IN		GROSS WEIGHT	64,720	NET TONS	21.62	INBOUND	
SCALE OUT		TARE WEIGHT	21,480	NET WEIGHT	43,240		
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#

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SIGNATURE

[Handwritten Signature]



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL CHAZZO		q. Signature <i>Paul Chazzo</i>		r. Date 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) X. SHARON LITLES			d. Signature <i>Sharon Litles</i>		e. Date 12/11/14

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		b. Phone: 912.964.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	INVOICE	
2204037		
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]



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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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.						
PAUL GATZ			Paul Gatz (AS Agent for Generator)		12/10/14	
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			b. Phone: 912.412.2402		
c. Driver Name (Print) X. Warren Little			d. Signature X. Warren Little		e. Date X. 12/11/14

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		b. Phone: 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 12-11-2014 2:09 pm		DATE/TIME OUT 12-11-2014 2:09 pm
VEHICLE BN-32		CONTAINER
REFERENCE 2204029		INVOICE
BILL OF LADING		

SCALE IN		GROSS WEIGHT	64,400	NET TONS	20.20		
SCALE OUT		TARE WEIGHT	24,000	NET WEIGHT	40,400	INBOUND	
QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
20.20	EA	FEE-HAUL/TRANS/TRUCK					
0.00	YD	CHATHAM COUNTY REGION					
20.20	TN	SW-CONT SOIL					
1.00		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**

2304029

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 N/A		b. Manifest Document Number		c. Page 1 of 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL GAZZIO		q. Signature <i>Paul Gazzio</i>		r. Date 12/12/14		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
BN 32		
c. Driver Name (Print) X Clarence Little	d. Signature X Clarence Little	e. Date X 12/11/14

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		b. Phone: 912.964.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	
01		943670			
WEIGHMASTER		DATE/TIME IN		DATE/TIME OUT	
SUSAN D.		12-11-2014 4:05 PM		12-11-2014 4:05 PM	
CONTAINER		VEHICLE		INVOICE	
BN-29		REFERENCE			
2204038		BILL OF LADING			
SAVANNAH REGIONAL LANDFILL, 84 CLIFTON BLVD PORT WENTWORTH, GA		NET TONS		INBOUND	
100014		59,440		17.83	
A & D Environmental Services, LLC		NET WEIGHT		35,660	
1741 Calks Ferry Rd.		GROSS WEIGHT		TAX	
Lexington, SC 29073		23,780			
31101420787		TARE WEIGHT		EXTENSION	
				RATE	
SCALE IN		DESCRIPTION		TOTAL	
SCALE OUT		CHATHAM COUNTY REGION			
		CHATHAM COUNTY REGION			
QTY.	UNIT	FEE-HAUL/TRANS/TRUCK			
17.83	EA				
25.00	YD	SW-CONT SOIL			
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



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) TAL EATZCO		q. Signature [Signature]		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		b. Phone:	
c. Driver Name (Print) X Jim Davis		d. Signature [Signature]	e. Date X 12/11/14

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 912.954.2812		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) [Signature]		f. Signature [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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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 01	TICKET # 943673	CELL
CUSTOMER 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787		WEIGHMASTER SUSAN D. DATE/TIME IN 12-11-2014 4:20 pm VEHICLE NE-5308 REFERENCE 2204039 BILL OF LADING		
SCALE IN SCALE OUT GROSS WEIGHT TARE WEIGHT NET TONS NET WEIGHT		72,200 27,400 22.40 44,800 INBOUND		
QTY. 22.40 20.00 22.40 1.00 1.00	UNIT EA YD TN	DESCRIPTION FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION SW-CONT SOIL CHATHAM COUNTY REGION ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	RATE 22.40 44,800	EXTENSION TAX TOTAL
		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.

RSF02UPR (07/12)

221

SIGNATURE

[Handwritten Signature]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAUL CHAZZO		q. Signature <i>Paul Chazzo</i>		r. Date 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			5308		
b. Phone: 912.412.2402					
c. Driver Name (Print) <i>Leah Stinger</i>	d. Signature <i>Leah Stinger</i>	e. Date 12/11/14			

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		b. 912.954.2842	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) <i>DD</i>		f. Signature <i>DD</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
31101420767

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.



**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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: ASD 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. 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) PAUL CHARTER		q. Signature Paul Charter as Agent for Concentra		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		b. Phone:		
c. Driver Name (Print) Sharon Little		d. Signature Sharon Little		e. Date 12/12/14

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 912.954.2812		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) [Signature]		f. Signature [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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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			

CHECK#
CHANGE
TENDERED
NET 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.

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.27	EA	FEE-HAUL/TRANS/TRUCK				
0.00	YD	CHATHAM COUNTY REGION				
18.27	TN	SM-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				
		NET TONS	18.27			
		NET WEIGHT	36,540			
		SCALE IN				
		GROSS WEIGHT	60,540			
		TARE WEIGHT	24,000			
		SCALE OUT				
		INBOUND				

SITE	01	TICKET #	943682	CELL
WEIGHMASTER	Susan D.			
DATE/TIME IN	12-12-2014	7:30 am	DATE/TIME OUT	12-12-2014 7:30 am
VEHICLE	BN-32			
REFERENCE	2204041			
BILL OF LADING	INVOICE			

SITE	SAVANNAH REGIONAL LANDFILL
CUSTOMER	PORT WENTWORTH, GA
	84 CLIFTON BLVD
	912-964-2812
	100014
	A & D Environmental Services, LLC
	1741 Caliks Ferry Rd.
	Lexington, SC 29073
	31101420787



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 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) X Clarence Little		
d. Signature <i>Clarence Little</i>		e. Date X 12/10/14

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		c. US EPA Number 912.954.2812	d. Discrepancy Indication Space:
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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
3101420787

SITE "HONEY" 01 943684 CELL
WEIGHTMASTER Susan D.
DATE/TIME IN 12-12-2014 7:39 am
DATE/TIME OUT 12-12-2014 7:39 am
CONTAINER
VEHICLE NE-5308
REFERENCE 2204042
INVOICE
BILL OF LADING

SCALE IN	GROSS WEIGHT	72,200	NET TONS	22.40	INBOUND	TOTAL
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	44,800		
DESCRIPTION						
CHATHAM COUNTY REGION						
CHATHAM COUNTY REGION						
QTY.	UNIT	DESCRIPTION				
22.40	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	SW-CONT SOIL				
22.40	TN	ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
1.00						

NET AMOUNT
TENDERED
CHANGE
CHECKS

The undersigned hereby 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.

FORM 1000-007-1.0

SIGNATURE

2000 24073-0588

Albino

ORDERED
CHANGE
CHECK#

SW-CONT SOIL
ENVIRONMENTAL FEE 5
FUEL RECOVERY FEE 5
FEE-HAUL/TRANS/TRUCK

UNIT	QTY.
EA	18.43
YD	0.00
TN	18.43
	1.00
	1.00

SCALE IN	SCALE OUT	GROSS WEIGHT	TARE WEIGHT	DESCRIPTION	CHART
120787		60,860	24,000		

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787
GROSS WEIGHT

SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD
PORT WENTWORTH, GA
912-964-2812

311S

BN-32
REFERENCE
2204043
BILL OF LADING

Susan D.
DATE/TIME IN
12-12-2014
VEHICLE

WEIGHMASTER
01
SITE
TICKET # 943692

7730

INVOICE

DATE/TIME OUT 12-12-2014 8:26 AM CONTAINER

INBOUND

NET TONS
NET WEIGHT
18.43
36,860
RATE

TOTAL

EXTENSION

RATE

DESCRIPTION	CHATHAM COUNTY REGION
-------------	-----------------------



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZTC		q. Signature Paul G. GAZTC (as Agent for Generator)		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X Lawrence Little	d. Signature X Lawrence Little	e. Date X 12/12/14

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		b. Phone: 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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: 01 TICKET # 943697 CELL	
CUSTOMER 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787		WEIGHMASTER	
		SUSAN D.	
		DATE/TIME IN 12-12-2014 8:37 am	
		DATE/TIME OUT 12-12-2014 8:37 am	
		VEHICLE	
		BN-22	
		REFERENCE 2204044	
		BILL OF LADING	
INVOICE			

QTY.	UNIT	DESCRIPTION	NET TONS	NET WEIGHT	RATE	EXTENSION	TAX	TOTAL
21.71	EA	FEE-HAUL/TRANS/TRUCK	64,900	21,480	21.71			
20.00	YD							
21.71	TN	CHATHAM COUNTY REGION			43,420			
1.00		SW-CONT SOIL						
1.00		ENVIRONMENTAL FEE 5						
		FUEL RECOVERY FEE						
CHATHAM COUNTY REGION								

SCALE IN SCALE OUT	GROSS WEIGHT TARE WEIGHT

NET TONS NET WEIGHT	21.71 43,420
INBOUND	

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.

HS-F042UPR (07/12) 2/21

SIGNATURE

[Handwritten Signature]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL G. HARTZ		q. Signature <i>Paul G. Hartz</i>		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Bacon Trucking 1027 Bacon Road Milledgeville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) Sharon Little	d. Signature <i>Sharon Little</i>	e. Date 12/12/14

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		b. Phone: 912.954.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		g. Date 12/15/14

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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 943703

Susan D.

100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787
12-12-2014 8:59 am 12-12-2014 8:59 am
NE-5308
2204045
INVOICE

SCALE IN	GROSS WEIGHT	NET TONS	NET WEIGHT	INBOUND
SCALE OUT	72,460	22.53	45,060	

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	

Jeff Laster



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL CHAZZO		q. Signature <i>Paul Chazzo</i>		r. Date 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	
c. Driver Name (Print) <i>Jeff Lastinger</i>		d. Signature <i>Jeff Lastinger</i>	
e. Date 12/12/14			

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		b. Phone: 912.954.2812	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) <i>Paul Chazzo</i>		f. Signature <i>Paul Chazzo</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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
3101420787

SITE 01 TICKET # 943707 CELL
WEIGHMASTER
Susar, D.
DATE/TIME IN 12-12-2014 9:11 am DATE/TIME OUT 12-12-2014 9:11 am
VEHICLE BN-32
REFERENCE 2204046
BILL OF LADING INVOICE

SCALE IN				GROSS WEIGHT		62,780	NET TONS	19.39	INBOUND			
SCALE OUT				TARE WEIGHT		24,000	NET WEIGHT	38,780				
QTY.	UNIT	DESCRIPTION							RATE	EXTENSION	TAX	TOTAL
19.39	EA	FEE-HAUL/TRANS/TRUCK										
0.00	YD	CHATHAM COUNTY REGION										
19.39	TN	SM-CONT SOIL										
1.00		ENVIRONMENTAL FEE 5										
1.00		FUEL RECOVERY FEE										
		CHATHAM COUNTY REGION										

NET AMOUNT
TENDERED
CHANGE
CHECKS

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.

221

SIGNATURE *[Signature]*

221



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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. 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) PAUL E. HAZZC	q. Signature Paul E. Hazzc (As Agent for Generator)	r. Date 12/12/14
---	--	---------------------

II. TRANSPORTER (Generator completes IIIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313 912.412.2402		
b. Phone:		
c. Driver Name (Print) X Clarence Little	d. Signature X Clarence Little	e. Date X 12/12/14

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		c. US EPA Number	d. Discrepancy Indication Space:
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) S.D.		f. Signature S.D.	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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

PORT WENTWORTH, GA
SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD 912-964-2812

CUSTOMER

100014 Environmental Services, LLC
A & D Environmental Services, LLC
1741 Calks SC 29013
Lexington, SC 29013

SCALE IN
SCALE OUT

GROSS WEIGHT
TARE WEIGHT

64,420
21,480

DESCRIPTION

CHATHAM COUNTY REGION
CHATHAM COUNTY REGION

QTY	UNIT	DESCRIPTION
21.47	EA	FEE-HAUL/TRANS/TRUCK
20.00	YD	SW-COMM SOIL, FEE 5
21.47	TN	ENVIRONMENTAL FEE
1.00		FUEL RECOVERY
1.00		

NET TONS
NET WEIGHT

21.47
42,940

EXTENSION

TAX

TOTAL

TICKET # 943713

VEHICLE # 01

DRIVER IN SUSAN D

DATE IN 12-12-2014

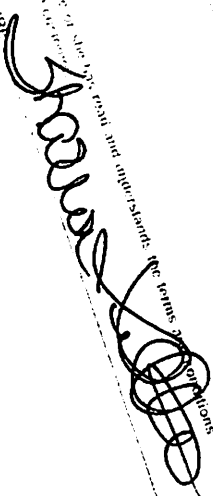
9:21 am

DATE OUT 12-12-2014

9:21 am

INVOICE

CONTAINER

SIGNATURE 

NET AMOUNT DUE

CHECKS
CHANGE
TENDERED



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204047

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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. 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) PAUL CHAZZO		q. Signature <i>Paul Chazzo</i>		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) Sharon Little	d. Signature <i>Sharon Little</i>	e. Date 12/12/14

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		b. 912.954.2812	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 <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		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		HCKET #		943721		CELL	
CUSTOMER		PORT WENTWORTH, GA		WEIGHMASTER		Susan D.		DATE/TIME OUT	
100014		84 CLIFTON BLVD		12-12-2014		9:45 am		12-12-2014	
A & D Environmental Services, LLC		912-964-2812		VEHICLE		NE-5308		CONTAINER	
1741 Calks Ferry Rd.				REFERENCE		2204048		INVOICE	
Lexington, SC 29073				BILL OF LADING					
31101420787									

SCALE IN	GROSS WEIGHT	NET TONS	NET WEIGHT	SCALE OUT	TARE WEIGHT	NET WEIGHT	INBOUND
22.79	72,980	22.79	45,580				

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.79	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
22.79	TN	CHATHAM COUNTY REGION				
1.00		SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
		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.

2021

RS-F042UPR (07/12)

SIGNATURE

[Signature]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL G. HAZZARD		q. Signature [Signature]		r. Date 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) X Jeff Locking		d. Signature [Signature]	
e. Date 12/12/14		f. Date	

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		c. US EPA Number 912.964.2812	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) [Signature]		f. Signature [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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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

TICKET # 01 943725
WEIGHMASTER
Susan D.
DATE/TIME IN 12-12-2014 9:53 am
DATE/TIME OUT 12-12-2014 9:53 am
VEHICLE CONTAINER
BN-32
REFERENCE 2204049
BILL OF LADING
INVOICE

SCALE IN		GROSS WEIGHT	62,340	NET TONS	19.17	INBOUND				
SCALE OUT		TARE WEIGHT	24,000	NET WEIGHT	38,340					
QTY.	UNIT	DESCRIPTION					RATE	EXTENSION	TAX	TOTAL
19.17	EA	FEE-HAUL/TRANS/TRUCK								
0.00	YD									
19.17	TN	CHATHAM COUNTY REGION								
1.00		SW-CONT SOIL								
1.00		ENVIRONMENTAL FEE 5								
		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 *Alvin...*



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2204049

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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL GAZZDI		q. Signature <i>Paul Gazzdi</i>		r. Date 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		
c. Driver Name (Print) X Clarence Little	d. Signature X <i>Clarence Little</i>	e. Date X 12/12/14

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 912.954.2812		b. US EPA Number	c. 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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>	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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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 as requested on the manifest.

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

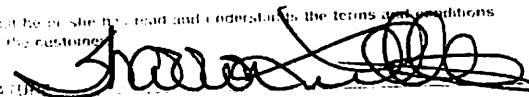
SITE	TICKET #	CELL
01	943727	
WEIGHMASTER		
Susan D.		DATE/TIME OUT
DATE/TIME IN		12-12-2014 10:01 am
12-12-2014 10:01 am		CONTAINER
VEHICLE		
BN-22		
REFERENCE		INVOICE
2204050		
BILL OF LADING		

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				
20.00	YD	CHATHAM COUNTY REGION				
21.50	TN	SW-CONT SOIL				
1.00		CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				

The undersigned individual signing this invoice on behalf of Customer hereby certifies 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#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL G. HAZZO		q. Signature Paul G. Hazzo (As Agent For Generator)		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN 22 1027 Bacon Road Hinesville, GA 31313 912.412.2402		b. Phone:	
c. Driver Name (Print) Sharon Little		d. Signature Sharon Little	
e. Name of Authorized Agent (Print)		f. Date 12/12/14	

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 912.954.2812		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

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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		TICKET #		943739		CELL	
CUSTOMER		PORT WENTWORTH, GA 912-964-2812		WEIGHMASTER		01			
100014		A & D Environmental Services, LLC		DATE/TIME IN		12-12-2014 10:35 am		DATE/TIME OUT	
1741 Calks Ferry Rd.		Lexington, SC 29073		VEHICLE		BN-32		CONTAINER	
31101420787				REFERENCE		2204051		INVOICE	
BILL OF LADING									

QTY.	UNIT	DESCRIPTION	NET TONS	NET WEIGHT	NET WEIGHT	NET TONS	INBOUND
18.65	EA	FEE-HAUL/TRANS/TRUCK	61,300	24,000	37,300	18.65	
0.00	YD	CHATHAM COUNTY REGION					
18.65	TN	CHATHAM COUNTY REGION					
1.00		SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
		FUEL RECOVERY FEE					

SCALE IN	GROSS WEIGHT	61,300	NET TONS	18.65
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	37,300
TOTAL				

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]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) PAUL G. H. Z. Z. C.		q. Signature Paul G. H. Z. Z. C.		r. Date 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	
c. Driver Name (Print) X Clarence Little	d. Signature X Clarence Little	e. Date 12/12/14	

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		b. 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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
912-964-2812
PORT WENTWORTH, GA

CUSTOMER
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

TICKET # 943746
DATE 01
WEIGHMASTER
DATE/TIME OUT 12-12-2014 10:47-am
CONTAINER
12-12-2014 10:47-am
VEHICLE
BN-22
REFERENCE 2204052
BILL OF LADING
INVOICE

SCALE IN	GROSS WEIGHT	NET TONS	NET WEIGHT	NET TONS	INBOUND	TOTAL
SCALE OUT	TARE WEIGHT	62,940	21,480	20.73		41,460
DESCRIPTION						
CHATHAM COUNTY REGION						
CHATHAM COUNTY REGION						

QTY	UNIT	DESCRIPTION
20.73	EA	FEE-HAUL/TRANS/TRUCK
20.00	YD	SW-CONT SOIL
20.73	TN	ENVIRONMENTAL FEE 5
1.00		FUEL RECOVERY FEE
1.00		

NET AMOUNT
TENDERED
CHANGE
CHECK#

Signature

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

#

2204052

I. GENERATOR (Generator completes Ia-I)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number 1		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 4943 Austin Park Avenue Burdorf, GA 30518			
f. Phone: If owner of the generating facility differs from the generator, provide:		g. Phone:			
h. Owner's Name:		i. Owner's Phone No.:			
j. Waste Profile # 3101420787		k. Exp. Date		l. Waste Shipping Name and Description Non-Regulated Soil	
m. Containers No. Type		n. Total Quantity		o. Unit Wt/Vol	
p. Generator Authorized Agent Name (Print) 14016-9222		q. Signature [Signature]		r. Date 12/12/14	

a. Transporter's Name and Address: B&B Moving 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		c. Driver Name (Print) Sharon Little		d. Signature [Signature]		e. Date 12/12/14	
---	--	---	--	-----------------------------	--	---------------------	--

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clifton Blvd Port Wentworth, GA 31407 b. Phone: 912.954.2812		c. US EPA Number		d. Discrepancy Indication Space:	
--	--	------------------	--	----------------------------------	--

a. Operator's Name and Address:		b. Phone:		c. Responsible Agency Name and Address:		d. Phone:	
e. Special Handling Instructions and Additional Information:		f. Signature		g. Date		h. Signature	
i. Operator's Name and Title (Print)		j. Signature		k. Date		l. 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 TICKET # CELL
C1 943751

WEIGHMASTER
Susan D.

DATE/TIME IN DATE/TIME OUT
12-12-2014 10:58 am 12-12-2014 10:58 am

VEHICLE CONTAINER
NE-5308

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				
20.00	YD	CHATHAM COUNTY REGION				
23.03	TN	SW-CONT SOIL				
1.00		CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
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]

NET AMOUNT

TENDERED

CHANGE

CHECK#

**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 la-r)

a. Generator's US EPA ID Number N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL CHAZZO		q. Signature <i>Paul Chazzo</i>		r. Date 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) <i>Jeff Leasing</i>	d. Signature <i>Jeff Leasing</i>	e. Date 12/12/14

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		b. 912.954.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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	CONTAINER	
BN-32		
REFERENCE		
2204054	INVOICE	
BILL OF LADING		

SCALE IN	GROSS WEIGHT	61,840	NET TONS	18.92	
SCALE OUT	TARE WEIGHT	24,000	NET WEIGHT	37,840	INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.92	EA	FEE-HAUL/TRANS/TRUCK				
0.00	YD	CHATHAM COUNTY REGION				
18.92	TN	SW-CONT SOIL				
1.00		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]



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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. Type	n. Total Quantity
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) PAUL GAZZDO		q. Signature [Signature]		r. Date 12/1/14	

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			b. Phone:		
c. Driver Name (Print) X Clarence Little			d. Signature X Clarence Little		
e. Date 12/1/14			f. Date 12/1/14		

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 912.954.2812		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	

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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 943265
WEIGHMASTER
Susan D.
DATE/TIME IN DATE/TIME OUT
12-12-2014 12:05 pm 12-12-2014 12:05 pm
VEHICLE CONTAINER
BN-22
REFERENCE
2204055
BILL OF LADING INVOICE

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				
20.00	YD	CHATHAM COUNTY REGION				
20.70	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
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.



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	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) GAG 6A270		q. Signature [Signature]		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		b. Phone: 912.412.2402	
c. Driver Name (Print) X Sharon Little		d. Signature [Signature]	
e. Date 12/12/14		f. Date 12/12/14	

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		b. Phone: 912.964.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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		j. 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 # 943767	CELL
WEIGHMASTER Susan D.		
DATE/TIME IN 12-12-2014 12:11 pm	DATE/TIME OUT 12-12-2014 12:11 pm	
VEHICLE NE-5308	CONTAINER	
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				

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

[Handwritten Signature]

NET AMOUNT

TENDERED

CHANGE

CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/10/14	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: S308 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) X J F L...	d. Signature <i>X J F L...</i>	e. Date 12/12/14

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		b. Phone: 912.954.2812	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

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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	CONTAINER	
NE-5308		
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				
20.00	YD	CHATHAM COUNTY REGION				
22.90	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

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

Shuff Lee

NET AMOUNT

TENDERED

CHANGE

CHECK#



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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408		e. Generator's Mailing Address: 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.	n. Total Quantity	o. Unit Wt/Vol
31101420737		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) PAUL C. HAZARD		q. Signature [Signature]		r. Date 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	
c. Driver Name (Print) Jeff Lasinger		d. Signature [Signature]	
e. Date 12/12/14			

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 34 Clifton Blvd Port Wentworth, GA 31407		b. Phone: 912.954.2812	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 [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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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

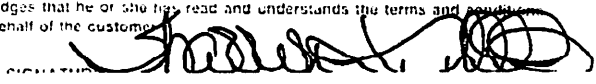
100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Lexington, SC 29073
31101420787

SITE	TICKET #	CELL
01	943776	
WEIGHMASTER		
Susan D.		
DATE/TIME IN	DATE/TIME OUT	
12-12-2014 1:01 pm	12-12-2014 1:01 pm	
VEHICLE	CONTAINER	
3N-22		
REFERENCE		
2204331		
BILL OF LADING		INVOICE

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				
20.00	YD	CHATHAM COUNTY REGION				
21.98	TN	SW-CONT SOIL				
1.00		CHATHAM COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5				
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.



NET AMOUNT
TENDERED
CHANGE
CHECKS

**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	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31405		e. Generator's Mailing Address: 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.	n. Total Quantity	o. Unit Wt/Vol
31101420757		Non-Regulated Soil	Dump	70 lbs	
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	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: B2N Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone:		
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: Savannah Regional Industrial Landfill 34 Clifton Blvd Port Wentworth, GA 31407		c. US EPA Number	d. Discrepancy Indication Space:
b. Phone:			
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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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)		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			

DATE

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	943785	
WEIGHMASTER		
Susan D.		
DATE/TIME IN	DATE/TIME OUT	
12-12-2014 1:45 PM	12-12-2014 1:45 PM	
VEHICLE	CONTAINER	
NE-5308		
REFERENCE		
2204333		
BILL OF LADING	INVOICE	

SCALE IN	GROSS WEIGHT	71,360	NET TONS	21.98
SCALE OUT	TARE WEIGHT	27,400	NET WEIGHT	43,960

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.98	EA	FEE-HAUL/TRANS/TRUCK				
20.00	YD	CHATHAM COUNTY REGION				
21.98	TN	SW-CONT SOIL				
1.00		ENVIRONMENTAL FEE 5				
1.00		FUEL RECOVERY FEE				
		CHATHAM COUNTY REGION				

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.

PS: RESUBMIT FOR 111

2/21

SIGNATURE

Jeff Taylor

NET AMOUNT
TENDERED
CHANGE
CHECK*

**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 ALA		b. Manifest Document Number		c. Page 1 of	
d. Generator's Name and Location: Pneum Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30516		
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. Type		n. Total Quantity
31101420797		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) PAUL GARZDO			q. Signature <i>[Signature]</i>		r. Date 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			5308		
b. Phone: 912 412 2402					
c. Driver Name (Print) X JEFF LASTINGER			d. Signature X Jeffery Lastinger		e. Date 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 24 Clifton Blvd Port Wentworth, GA 31407		b. US EPA Number 912.954.2812	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) <i>[Signature]</i>		f. Signature <i>[Signature]</i>		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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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	CONTAINER	
BN-32		
REFERENCE		
2204057		
BILL OF LADING	INVOICE	

SCALE IN		GROSS WEIGHT		NET TONS			
SCALE OUT		TARE WEIGHT		NET WEIGHT		INBOUND	
		59,540		17.77			
		24,000		35,540			
QTY.	UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
17.77	EA	FEE-HAUL/TRANS/TRUCK					
0.00	YD	CHATHAM COUNTY REGION					
17.77	TN	SW-CONT SOIL					
1.00		ENVIRONMENTAL FEE 5					
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

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 N/A		b. Manifest Document Number		c. Page 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generator's Mailing Address: 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.	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) PAUL GAZZO		q. Signature <i>Paul Gazzo</i>		r. Date 12/10/14	

II. TRANSPORTER (Generator completes Ia-b and Transporter completes IIc-e)

a. Transporter's Name and Address: BN Trucking 1027 Bacon Road Hinesville, GA 31313		
b. Phone: 912.412.2402		
c. Driver Name (Print) Clarence Little	d. Signature <i>Clarence Little</i>	e. Date 12/12/14

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 34-Clifton Blvd Port Wentworth, GA 31407		b. 912.954.2812	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 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. <input type="checkbox"/> Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/> 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			