

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

Tel: (404) 873 4761 Fax: (404) 817 0183 www.amecfw.com

TABLE OF CONTENTS

		<u> </u>	<u>Page</u>				
1.0	INTRO	DDUCTION	1				
	1.1	1.1 PREVIOUS ASSESSMENTS					
	1.2	REGULATORY BACKGROUND	3				
2.0	PURP	OSE6					
3.0	CONCEPTUAL SITE MODEL						
	3.1	PHYSICAL SETTING					
	3.2	REGIONAL GEOLOGY					
	3.3	SITE SPECIFIC GEOLOGY					
	3.4						
		3.4.1 Groundwater Flow Direction					
4.0	DESC	RIPTION OF RELEASE SOURCE	10				
5.0	DELIN	DELINEATION OF SOIL CONTAMINATION					
	5.1	ANALYTICAL PARAMETERS SELECTED	11				
	5.2	SAMPLING AND ANALYSIS PROCEDURES	11				
		5.2.1 Sampling Equipment and Collection Techniques	11				
		5.2.2 Soil Sample Handling and Preservation Techniques	11				
		5.2.3 Equipment Decontamination Procedures					
		5.2.5 Laboratory Analytical Procedures					
	5.2.5.1 5.2.5.2	Standard Analytical Methods	12				
	5.3	SOIL VAPOR TESTING					
6.0		ZONTAL AND VERTICAL EXTENT OF GROUNDWATER CONTAMINATION.					
	6.1	ANALYTICAL PARAMETERS SELECTED					
	6.2	MONITORING CONSTRUCTION METHODS					
		6.2.1 Type of Well Casing Material					
		6.2.2 Description of Well Intake Design	19				
	6.2.2.1 6.2.2.2	Screen Slot Size and Length					
	6.2.2.3	Method of Filter Pack Emplacement	20				
	6.2.2.4 6.2.2.5	Surface Seal Well Development Methods and Procedures					
	6.3	SAMPLING AND ANALYSIS PROCEDURES					
		6.3.1 Groundwater Elevation	20				
		6.3.2 Well Evacuation Procedures					
		6.3.4 Decentary Procedures	21				
		6.3.4 Decontamination Procedures					
	6.3.5.1	Analytical Procedures	21				
	6.3.5.2 6.3.5.3	Quality Control Samples					
	6.4	BACKGROUND GROUNDWATER QUALITY					

	6.5	SURF	ACE WATER QUALITY CONDITIONS	27	
7.0	SUMM	29			
	7.1	SOIL.		29	
8.0	FATE	AND T	RANSPORT MODELING	33	
9.0 CRITE			EXPOSURE PATHWAYS AND RECEPTORS AND		
	9.1	SOIL	CRITERIA	37	
		9.1.1 9.1.2	Subject PropertyAdjacent Properties		
	9.2	GROL	JNDWATER	39	
	9.3	NO OI	N-GOING SOURCE	40	
	9.4	SURF	ACE WATER	40	
	9.5	ON-SI	ITE VAPOR INTRUSION	41	
		9.5.1	Exposure Assessment	41	
		9.5.2	Toxicity Assessment		
		9.5.3	Risk Characterization – Vapor Intrusion Modeling		
		9.5.4 9.5.5	Qualifications Summary and Conclusions		
	9.6		SITE VAPOR INTRUSION		
	0.0	9.6.1	Vapor Intrusion Risk Evaluation		
		9.6.2	Exposure Assessment		
		9.6.3	Toxicity Assessment		
		9.6.4	Risk Characterization – Vapor Intrusion Modeling		
		9.6.5	Qualifications	46	
		9.6.6	Conclusions	46	
10.0	CONCLUSIONS				

LIST OF TABLES

- Table 1 Summary of Water Level Data
- Table 2 Summary of Soil Testing Data, 1987
- Table 3 Summary of Soil Testing Data, 1997-1998
- Table 4 Summary of Soil Testing Data, March 2012
- Table 5 Summary of Soil Testing Data, March 2013
- Table 6 Summary of Soil Stockpile Data, March 2013
- Table 7 Summary of Soil Testing Data, February 2014
- Table 8 Comprehensive Summary of Groundwater Testing Data
- Table 9 Summary of MNA Parameters
- Table 10 Summary of Natural Attenuation Parameters

LIST OF FIGURES

- Figure 1 Property Location Map
- Figure 2 Aerial Photograph of Site and Vicinity
- Figure 3 Property Map with Cross Section Trace
- Figure 4 Cross Section A-A'
- Figure 5 Cross Section B-B'
- Figure 6 Summary of Soil Testing Results, 1997-1998
- Figure 7 Summary of Soil Testing Results
- Figure 8 Extent of Lead Impacted Soil
- Figure 9 Pre-Remediation of Lead Impacted Soil
- Figure 10 Soil Remediation Areas A and B
- Figure 11 Soil Remediation Areas C, D and E
- Figure 12 Soil Remediation Area F & Stockpile
- Figure 13 March 2016 Soil Delineation Data
- Figure 14 Summary of Soil Vapor Testing Results
- Figure 15 Potentiometric Surface Map (August 11, 2015)
- Figure 16 Cumulative Summary of Groundwater Testing Results
- Figure 17 Water Usage Survey Map

APPENDICIES

- Appendix A Warranty Deed with Legal Description and Tax Plat Map
- Appendix B Laboratory Data (cd copy)
- Appendix C Boring Logs
- Appendix D Groundwater Modeling
- Appendix E Vapor Intrusion Modeling
- Appendix F Risk Reduction Standard Calculations
- Appendix G Waste Manifests

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

Muy 2 will

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.

N ROBERT

No. 0010

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):

```
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 onsite 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 subslab 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 Savanah Laboratories or Severn Trent Laboratories in Savannah, Georgia and tested for the presence of VOCs using SW-846 Test Method 8260.

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

Amec Foster Wheeler Environment & Infrastructure, Inc.

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 μ g/L (micrograms per Liter) up to 1,800 μ g/L (W-4).

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

In response to the Property's listing on the HSI, Golder Associates further assessed the groundwater conditions at the Property through the installation of the following twelve groundwater monitoring wells: GW-1, GW-2 and GW-3 in February/March 1997; GW-4, GW-5 and GW-6 in March/April 1998; GW-7 though GW-11 in October 1999; and GW-12 in March 2000.

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

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

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

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

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

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

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

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

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

Several VOCs including PCE, TCE and DCE, were detected in wells EW-2 and W-5. EW-2 is located in close proximity to former well W-4 which has historically exhibited the highest concentration of PCE (1,800 μ g/L in 1987). The 1997 sampling result from W-4 exhibited a much lower concentration of PCE (150 μ g/L) and the 2012 sampling result from nearby EW-2 exhibited an even lower concentration of PCE (76 μ g/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 μ g/L in 2012 compared to 16 μ g/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 μ g/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 onsite 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 (μ g/L) which is slightly above the default Type 1 RRS and MCL of 7 μ 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 form 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)
А	20	25	2
В	20	25	2
С	75	25	1
D	10	10	2
E ¹	15	10	2
F	75	40	1
Stockpile	185	35	-

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 preapproved 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 μ g/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 μ g/l in 1997 and EW-2 at 76 μ g/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 Instream 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 μ g/L. TCE is predicted to reach is maximum concentration of 10 μ g/L approximately 30 years from now. DCE is predicted to reach is maximum concentration of 1 μ g/L approximately 20 years from now. Vinyl chloride is not expected to reach the canal above a concentration of 1 μ g/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 Floridian aquifer. During the Georgia EPD's SI in 1988, groundwater samples were collected from an on-site production well, as well as an off-site private drinking water well and a Garden City public supply well. No impacts of regulated constituents were detected in the three groundwater samples tested by Georgia EPD. This supports the conclusion that the drinking water supply wells in the area are not hydraulically connected to the plume originating on site and do not constitute potential receptors with respect to groundwater at the Property. Therefore, the exposure pathway for human consumption of impacted groundwater is incomplete.

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

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

9.3 NO ON-GOING SOURCE

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

9.4 SURFACE WATER

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

9.5 ON-SITE VAPOR INTRUSION

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 <u>OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air</u> (USEPA, 2015b) was utilized as a primary guidance document for assessing vapor intrusion into current and hypothetical future site buildings. 1In accordance with the guidance, estimated future indoor air concentrations were calculated at the site using USEPA's <u>Johnson and Ettinger Model for Subsurface Vapor Intrusion into Buildings (SG-ADV, Version 3.1)</u> (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 x 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 1x10⁻⁵. 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 <u>Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils</u> (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 <u>Johnson and Ettinger Model for Subsurface Vapor Intrusion into Buildings (GW-ADV, Version 3.1) (the J&E</u>

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 x 10⁻⁶. The estimated hazard index (HI) for vapor intrusion to indoor air from the COPCs in groundwater is 3 x 10⁻¹¹. The HI is less than one and the incremental risks are less than 1x10⁻⁵. 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

The resulting estimated cumulative hazards and risks indicate no toxicity benchmarks. 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

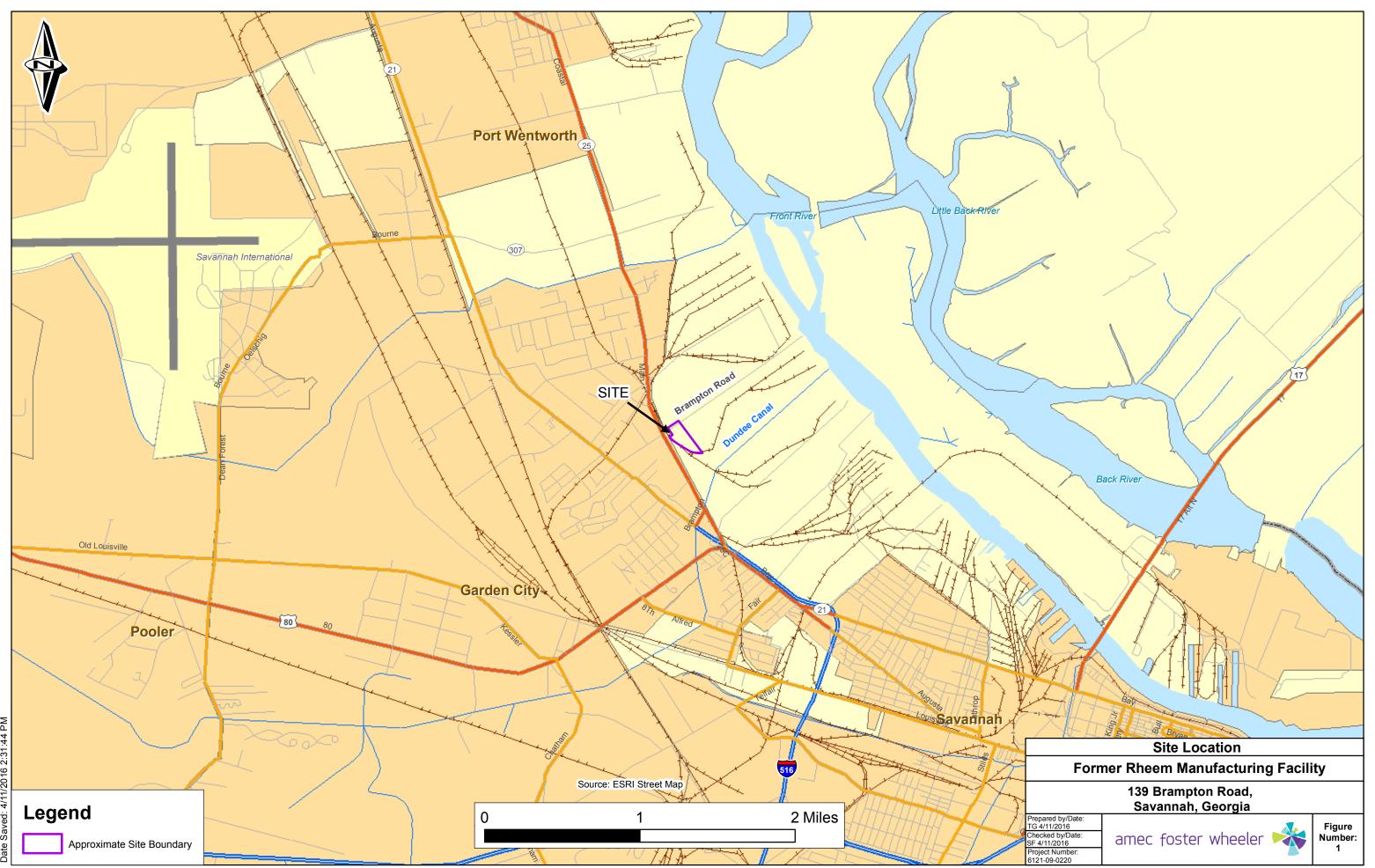
Based on the findings of assessment activities and the results of corrective action, the following conclusions are presented:

- 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.

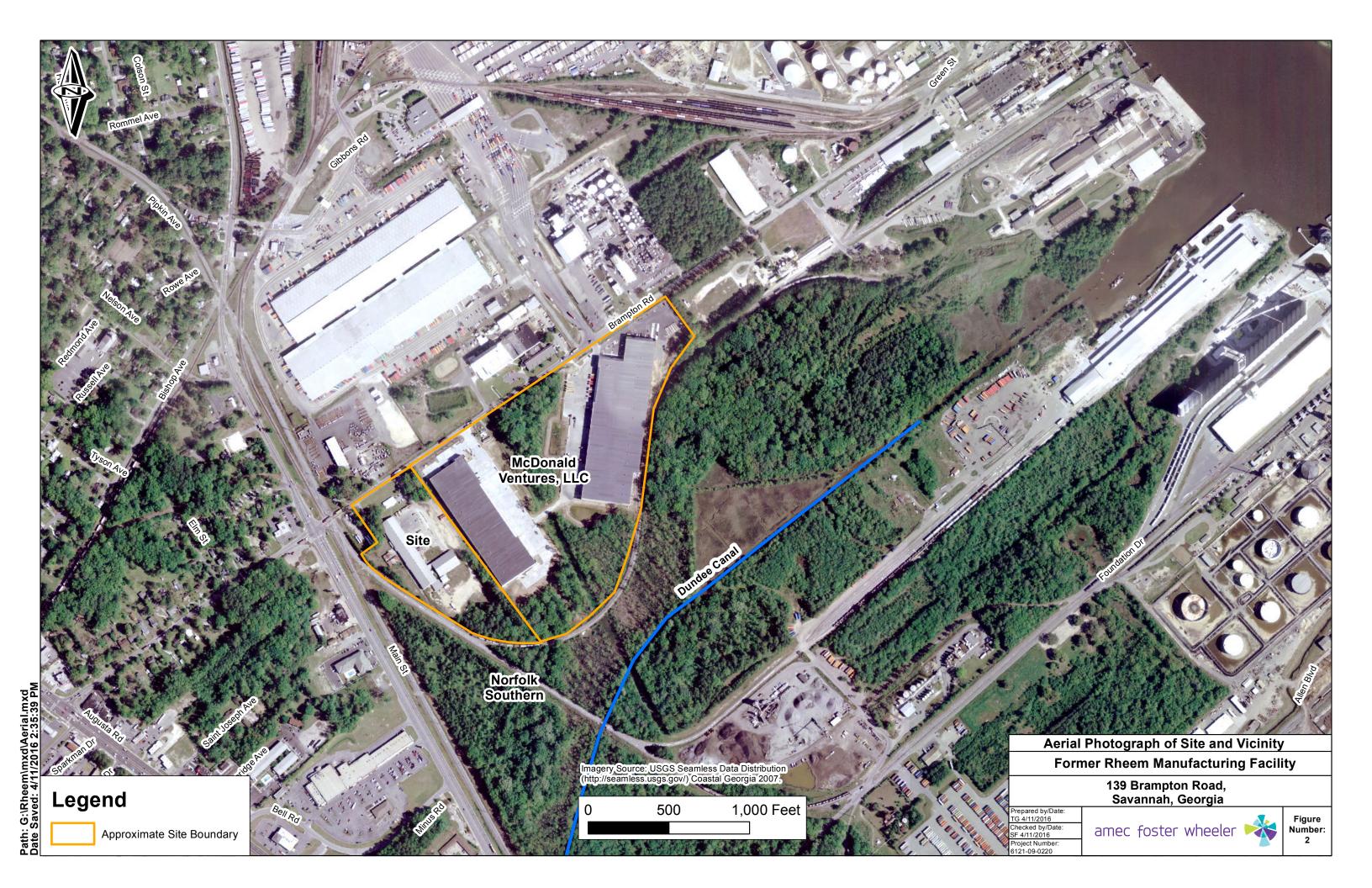
REFERENCES

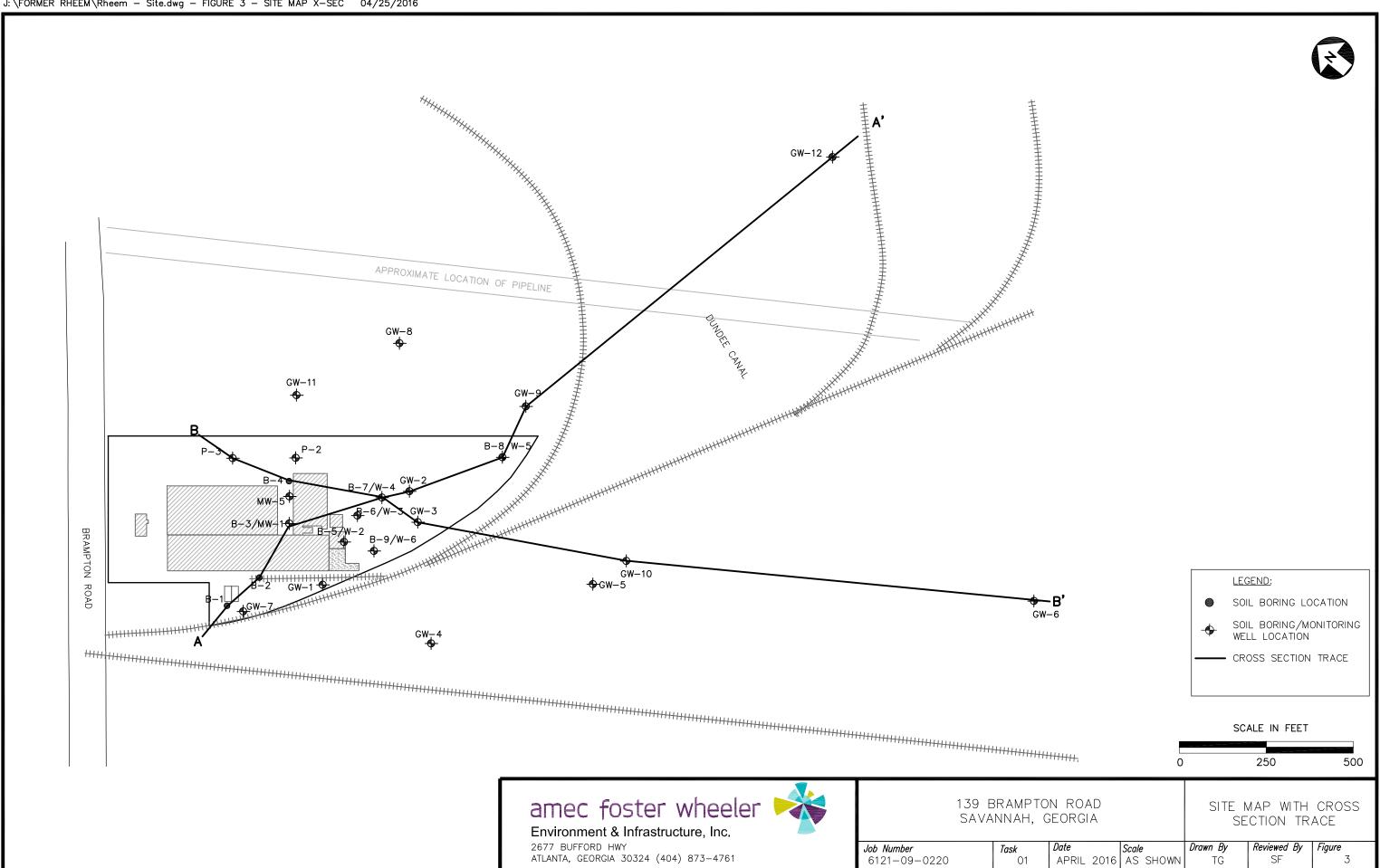
- IRIS, 2016. Integrated Risk Information System, www.epa.gov/iris.
- USEPA, 2004. User's Guide for Evaluating Subsurface Vapor Intrusion into Buildings, Office of Emergency and Remedial Response, February 2004.
- USEPA, 2011. Exposure Factors Handbook, 2011 Edition. EPA/600/R-090/052F, September 2011.
- 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





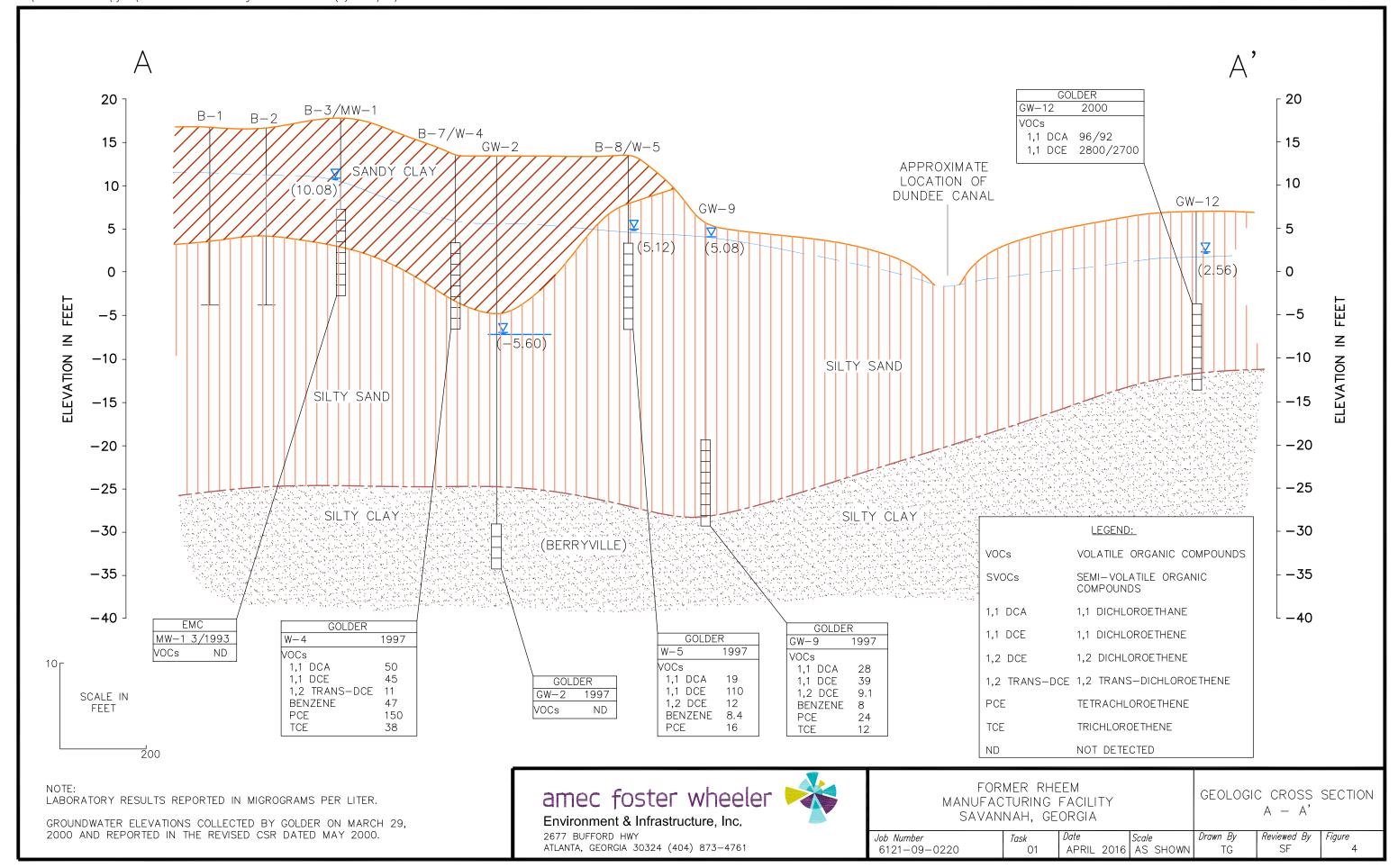
Path: G:\Rheem\mxd\fig1 Site 1 oc.mxd Date Saved: 4/11/2016 2:31:44 PM

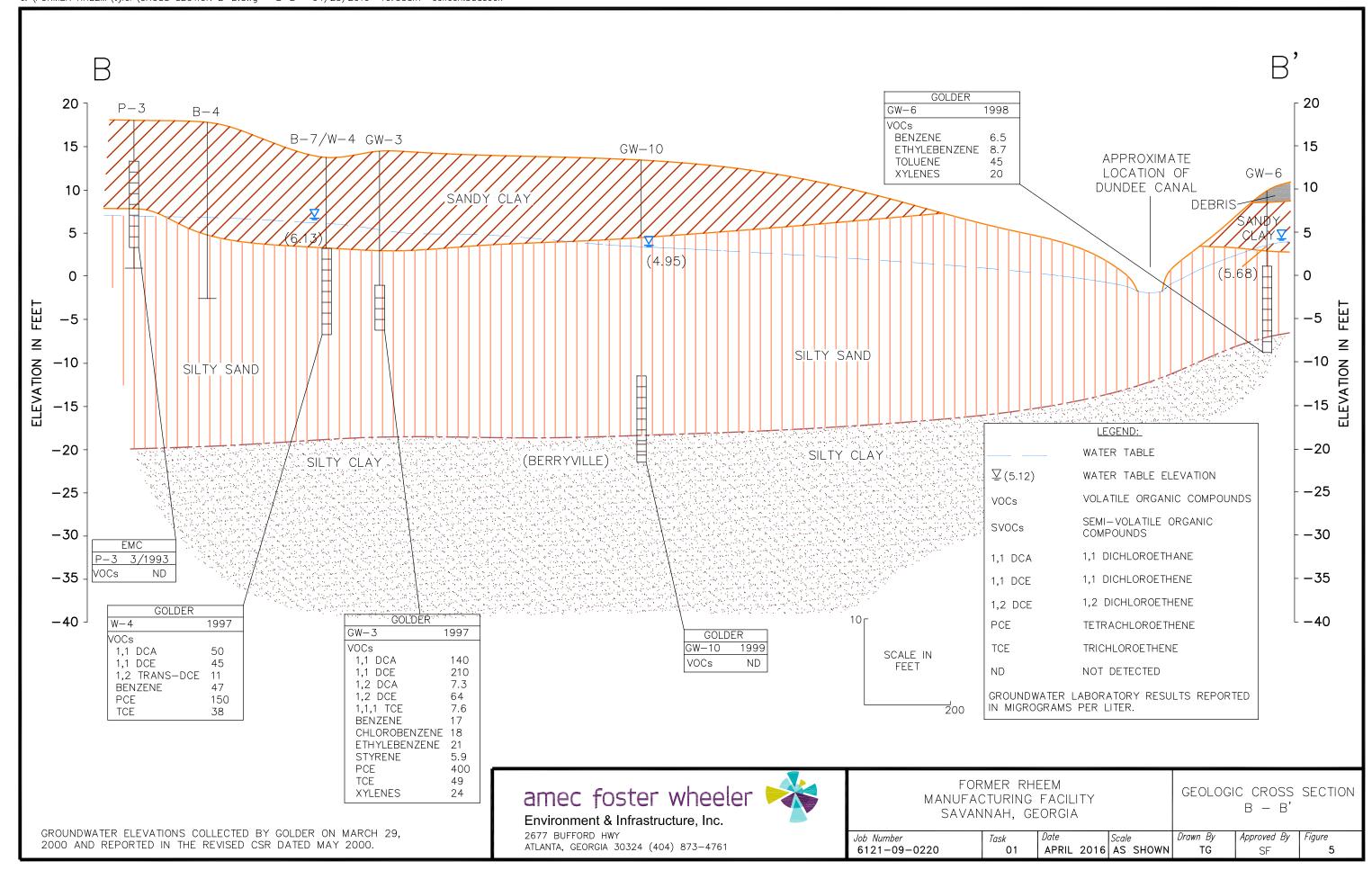


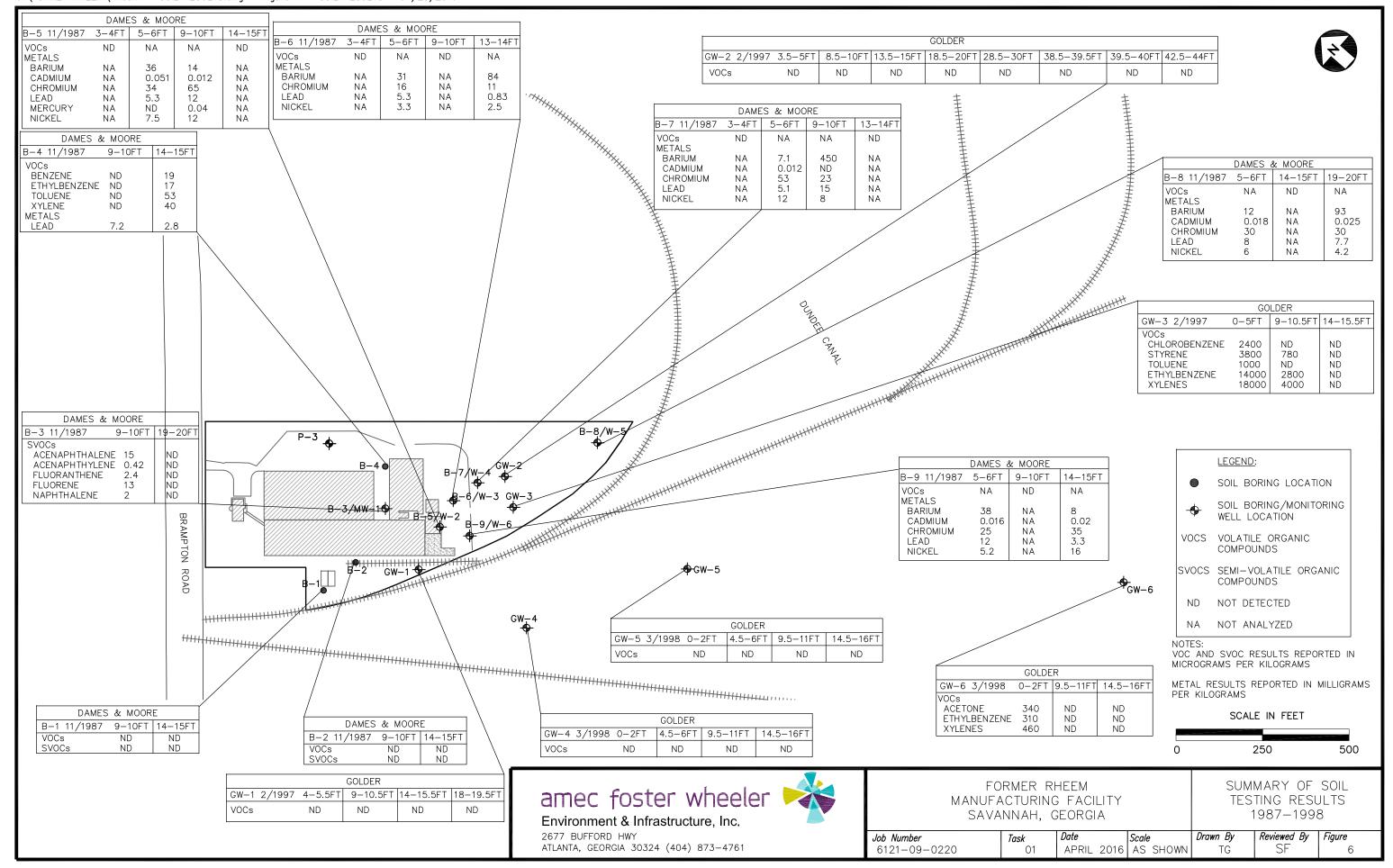


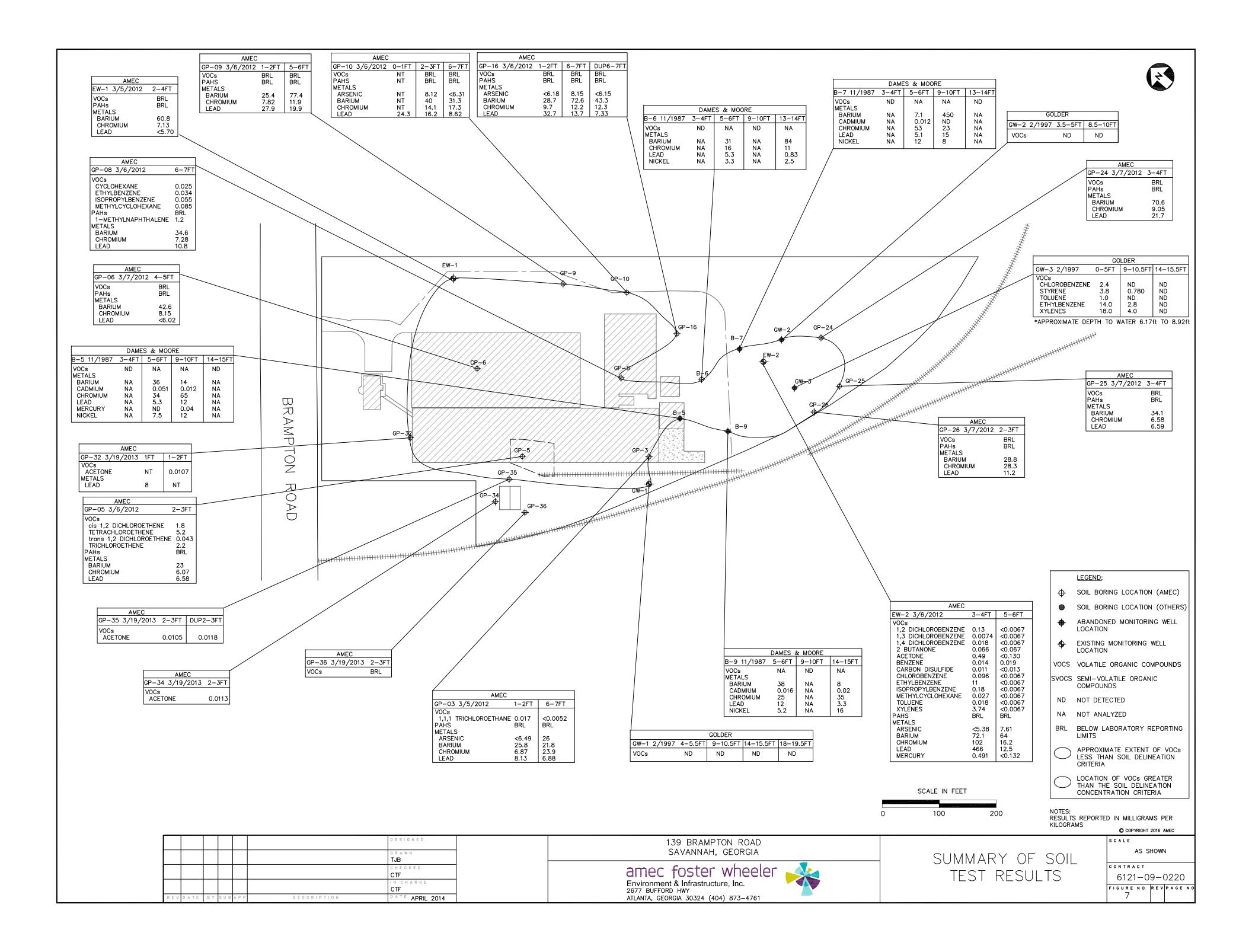
6121-09-0220

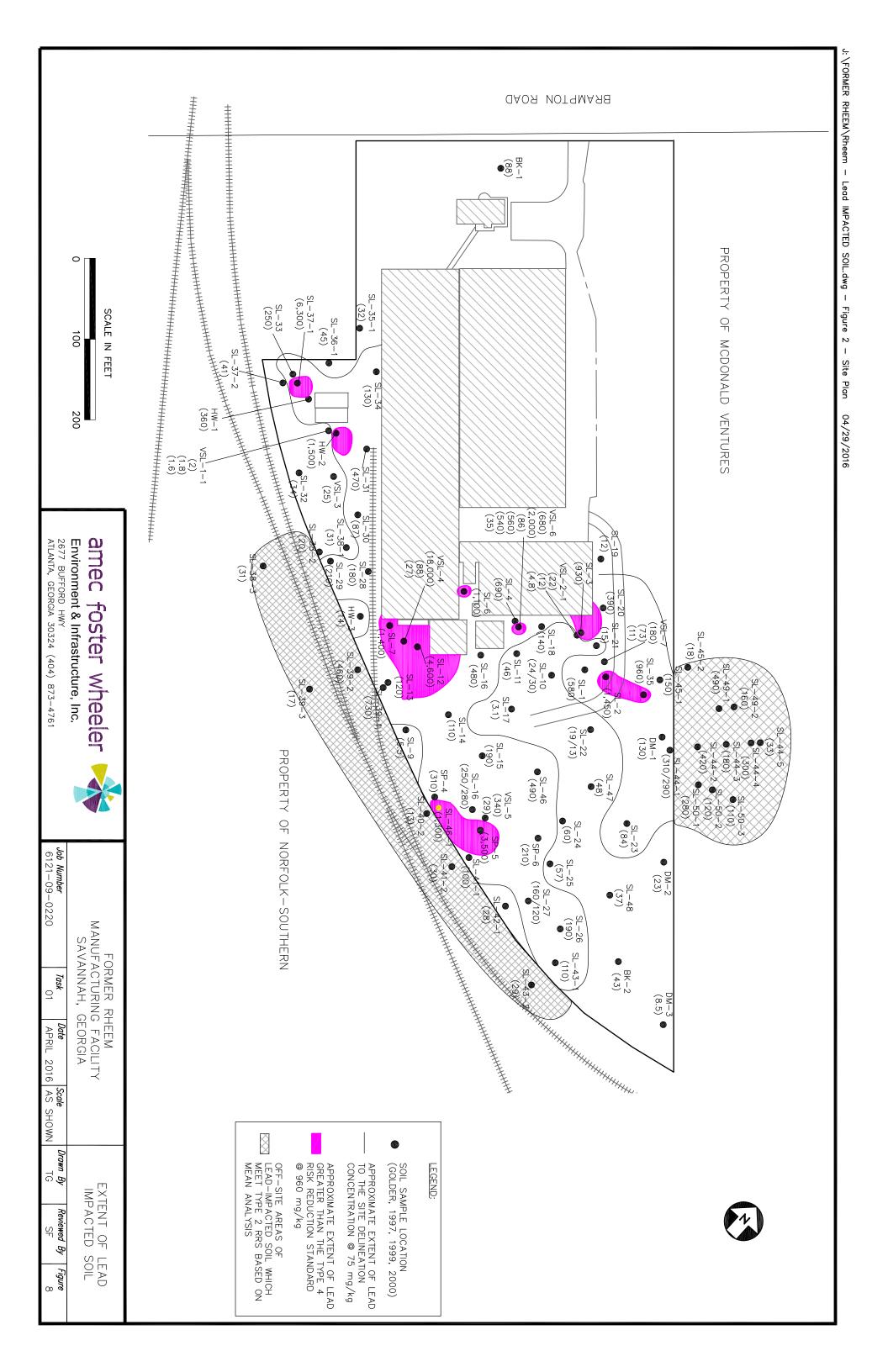
01

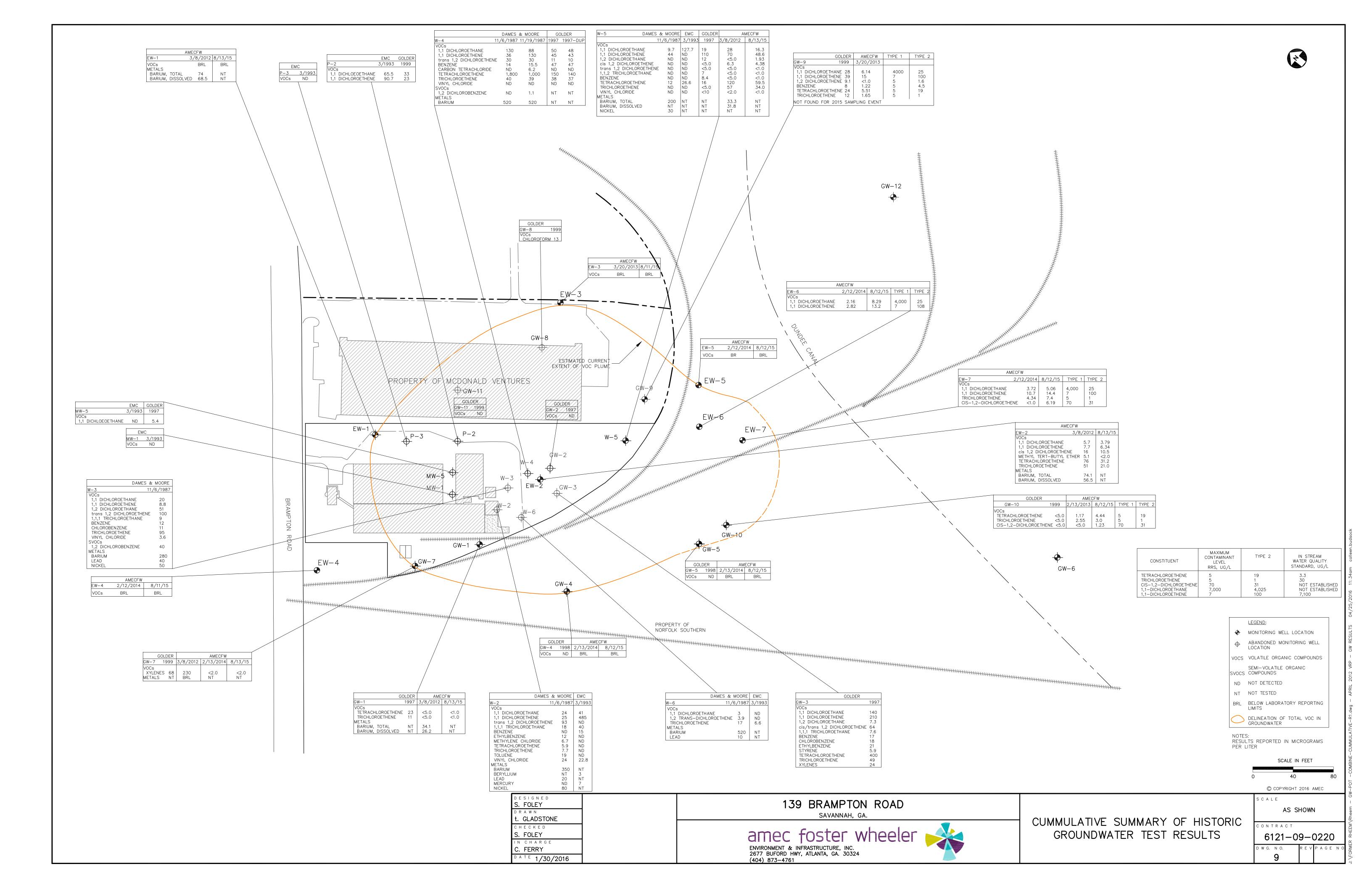


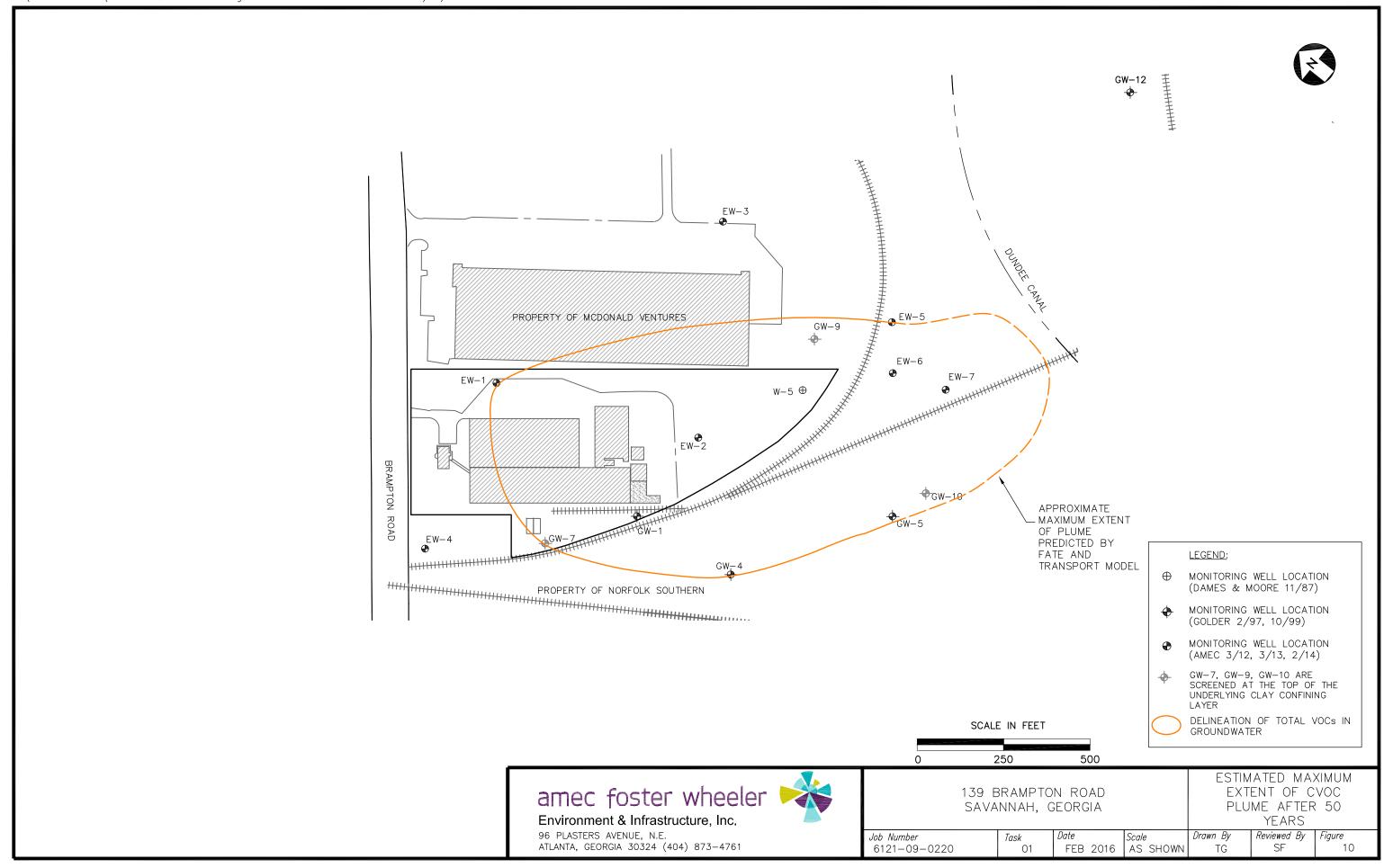


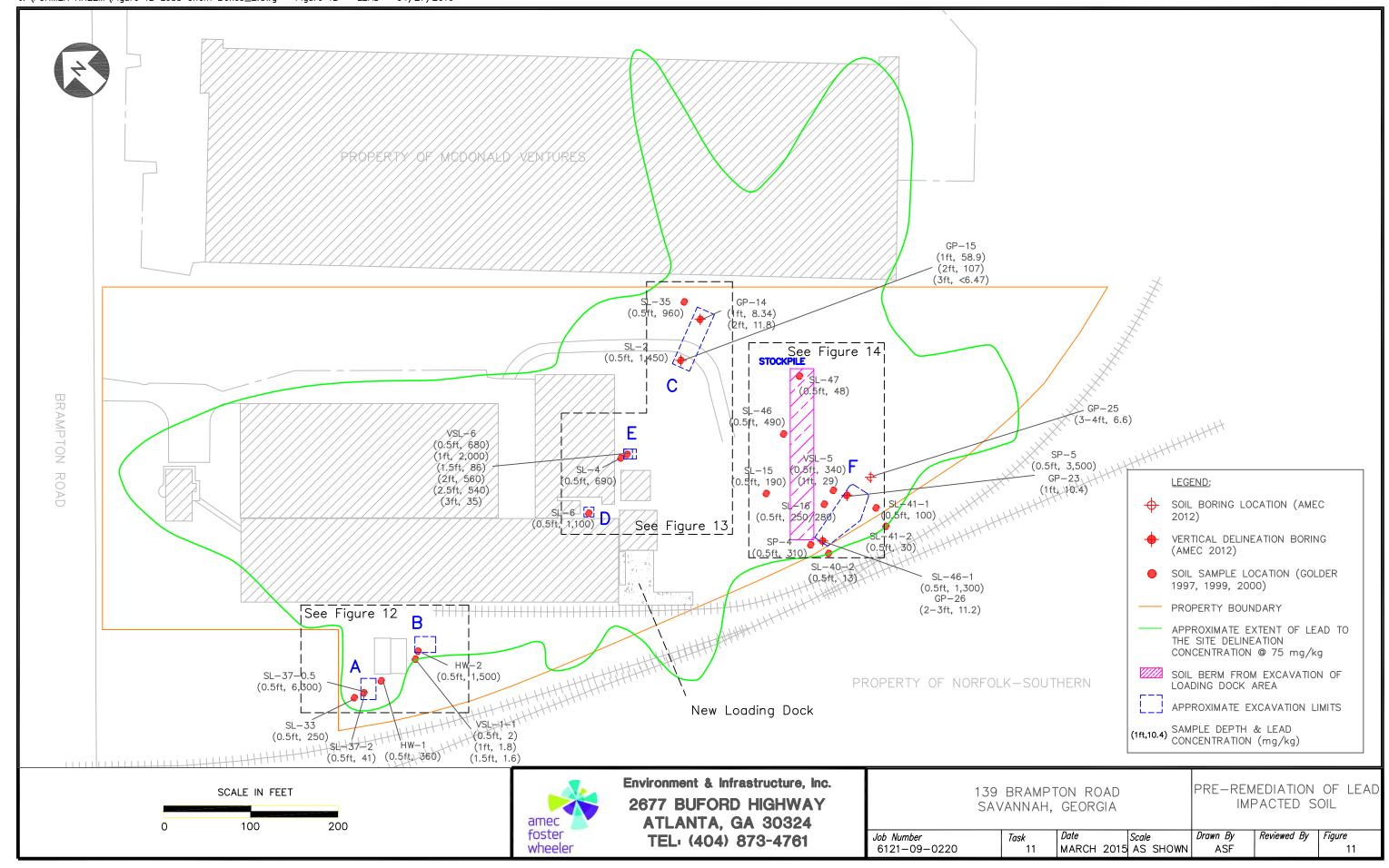


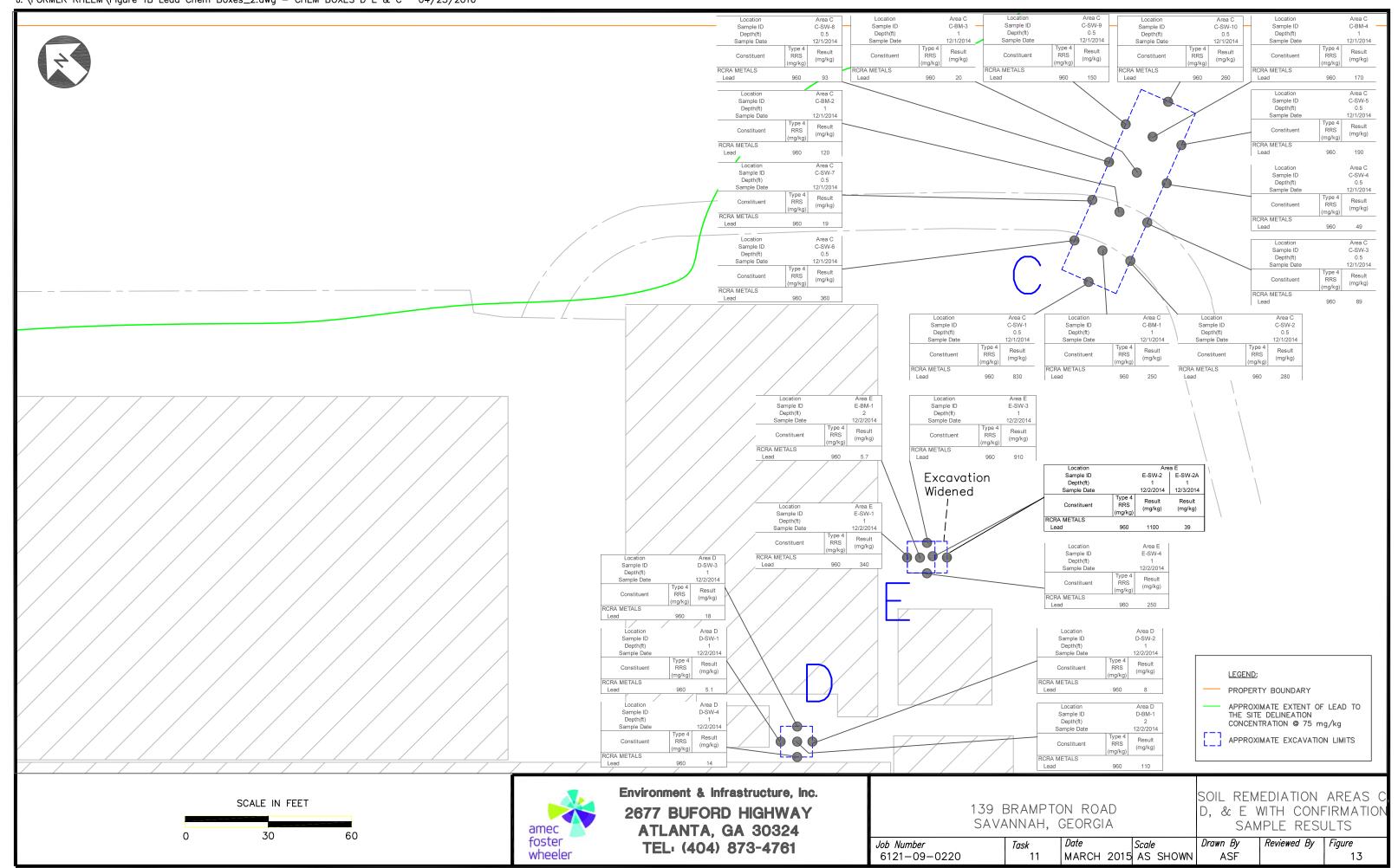


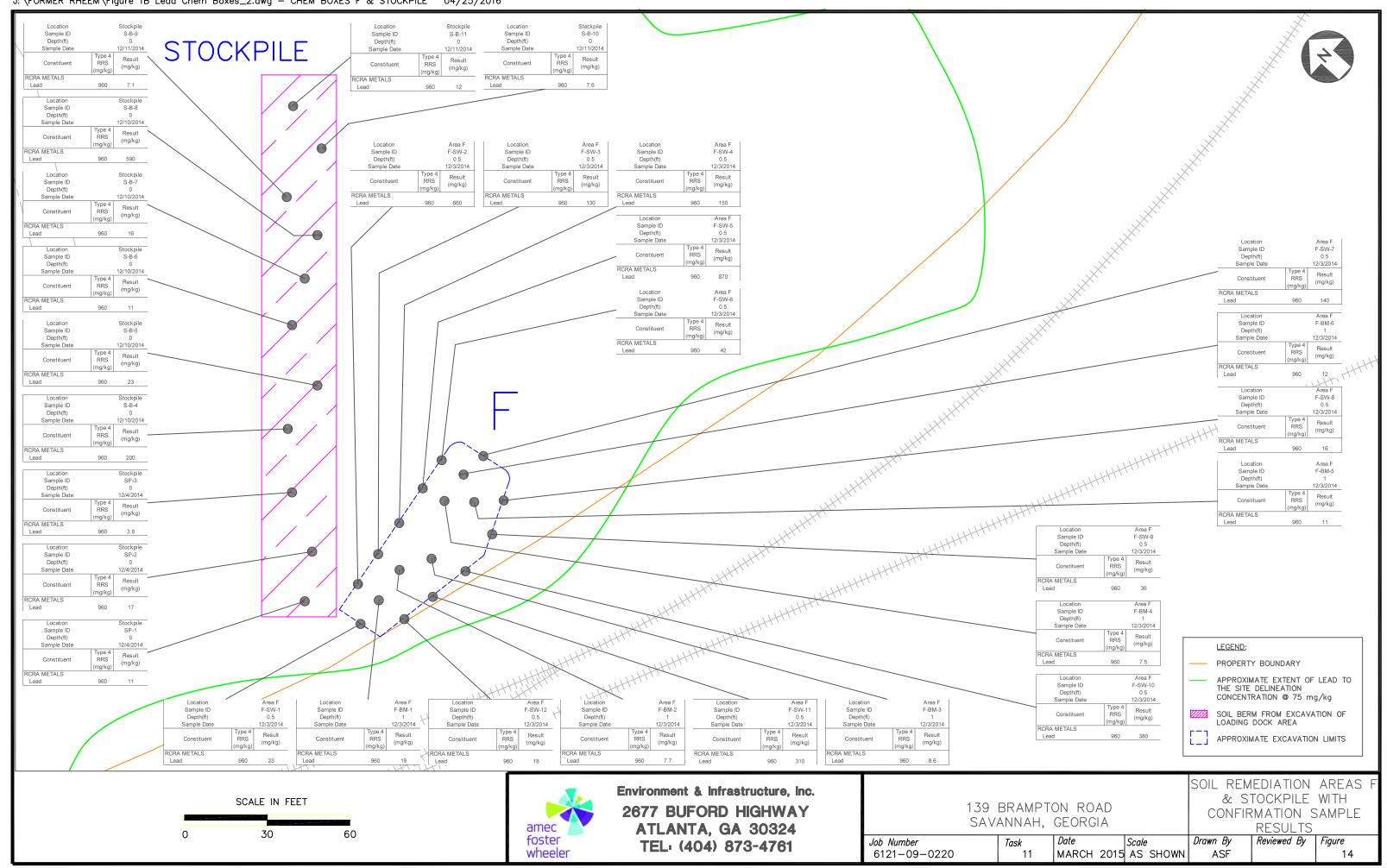


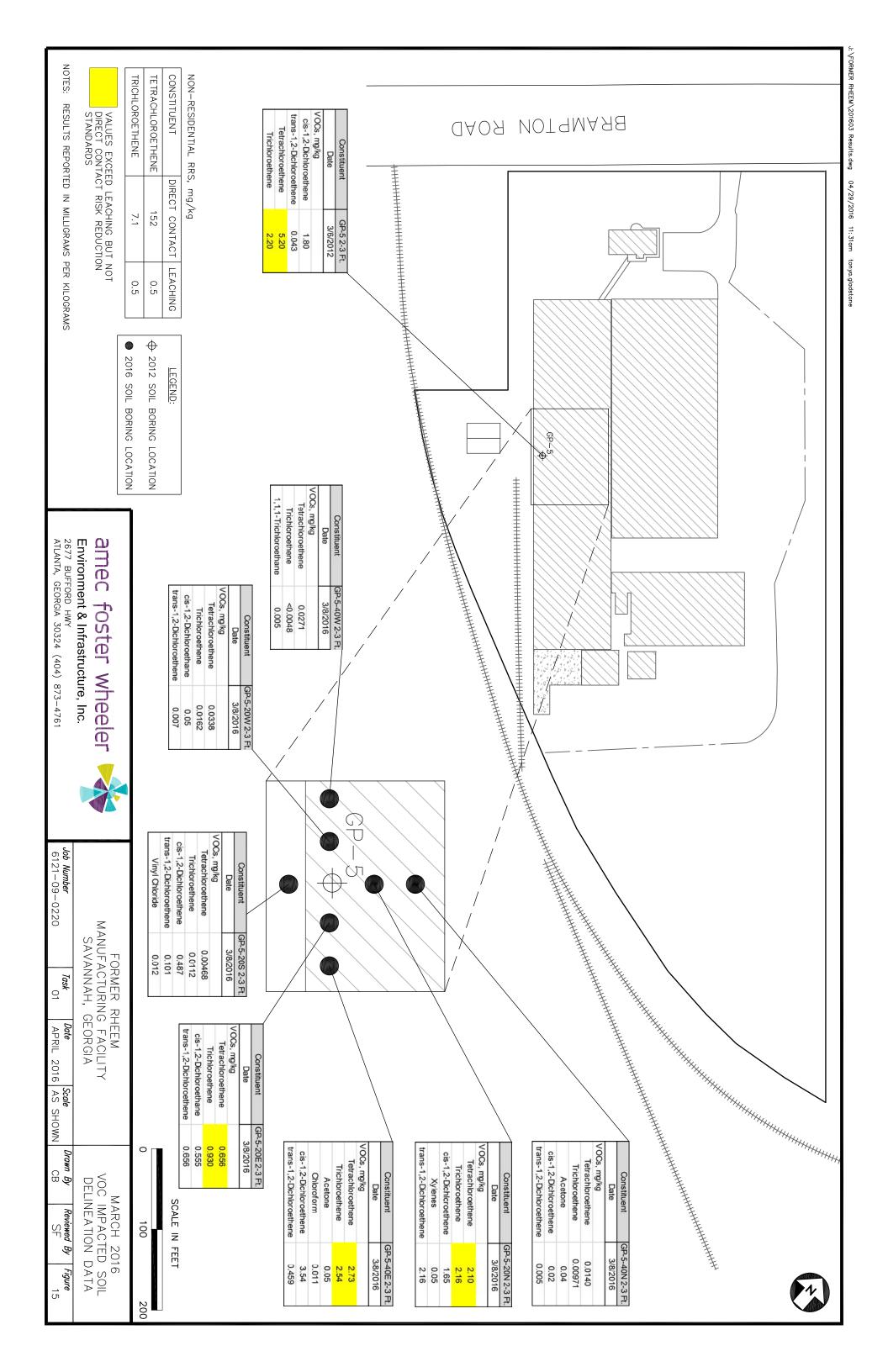


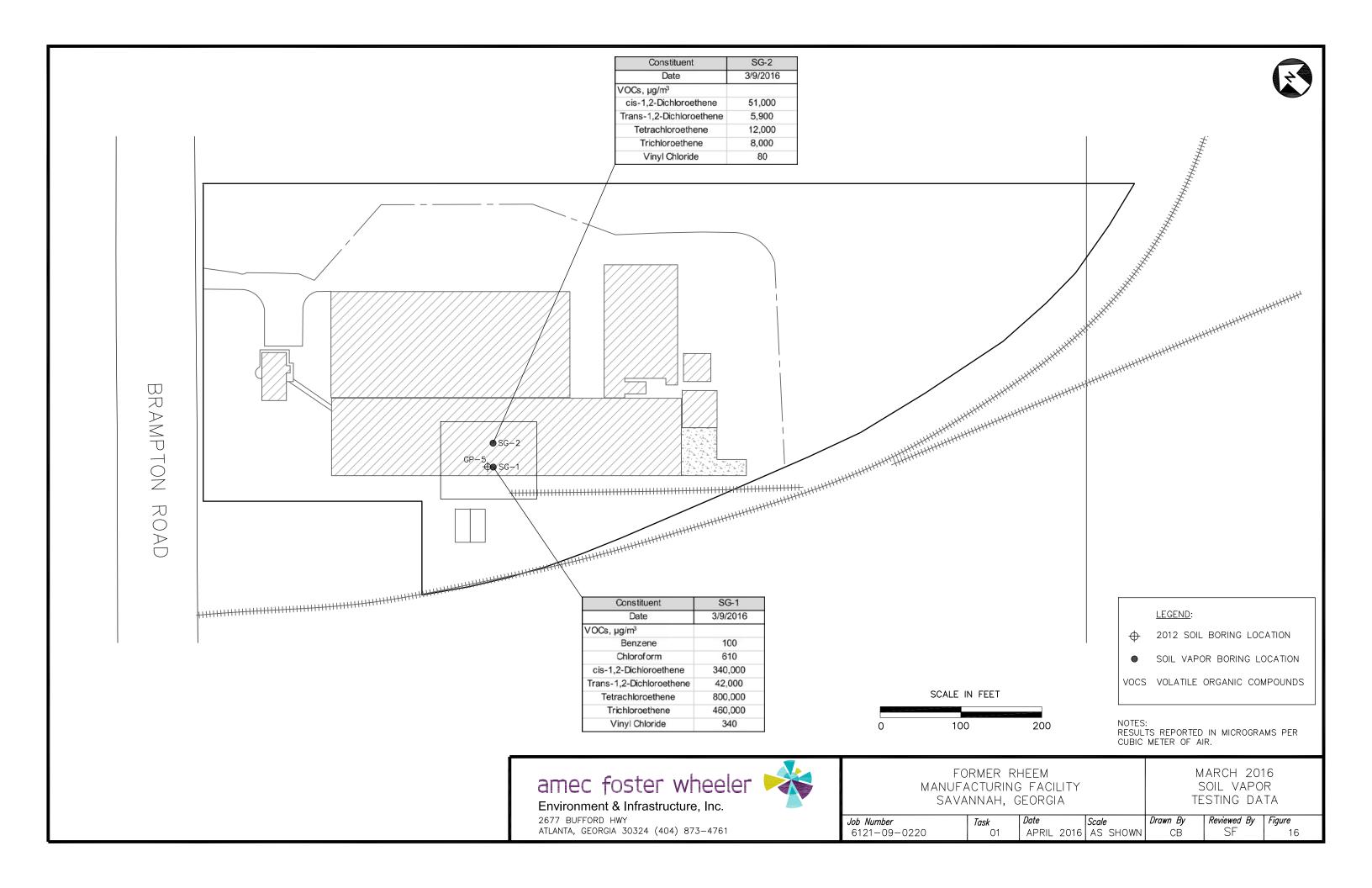












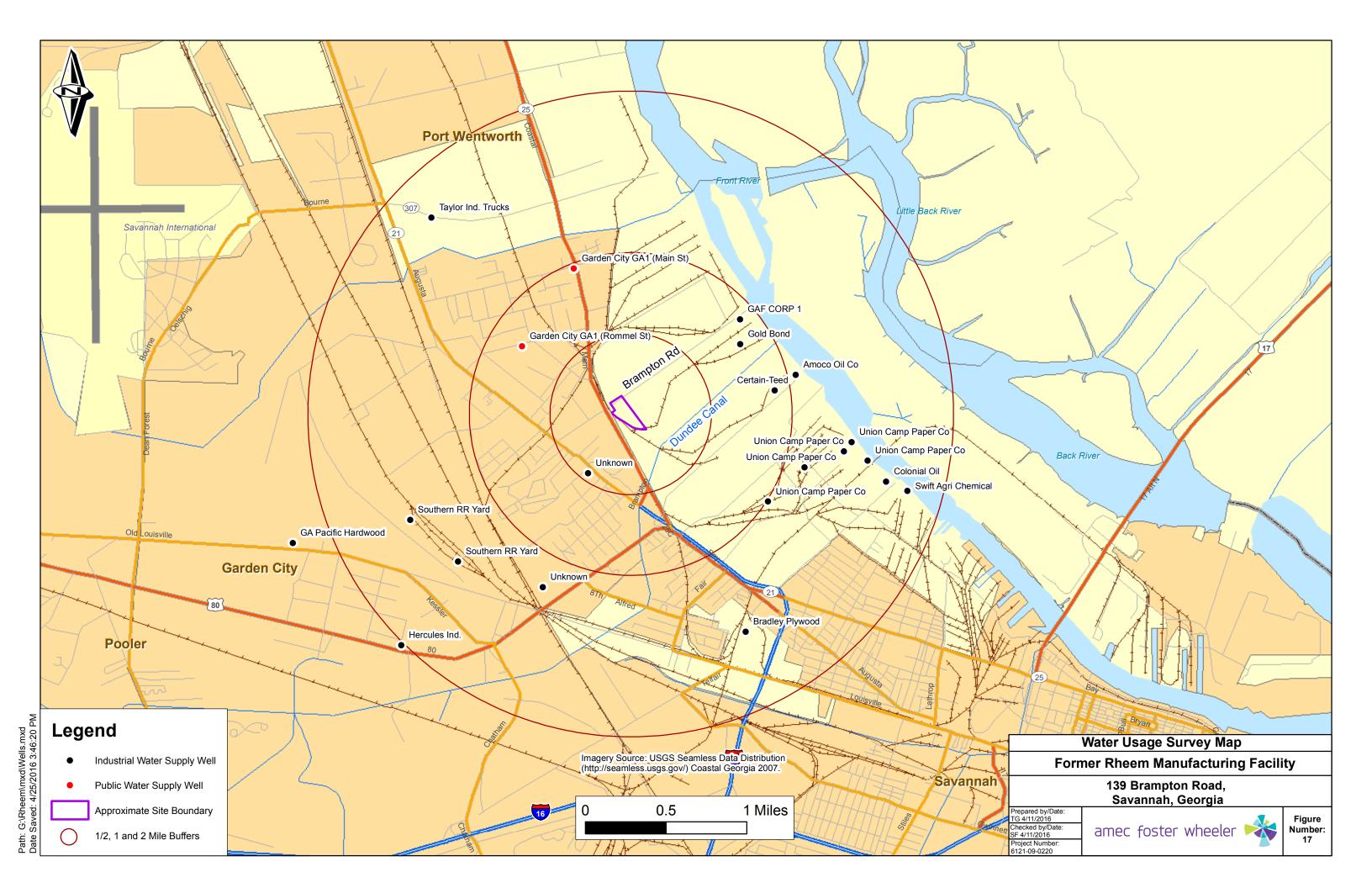




TABLE 1 - GROUNDWATER ELEVATION MEASUREMENTS

	1					
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 W	ells Located On-	Site				
	3/27/1997				9.34	3.76
	4/1/1998				7.71	5.39
	10/7/1999				9.03	4.07
W-5	3/29/2000	12.91	13.10	15-20	9.55	3.55
****	3/8/2012	12.01	10.10	10 20	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
	3/27/1999				11.61	4.92
	4/1/1998				10.03	6.50
	10/7/1999				11.04	5.49
GW-1	3/29/2000	13.83	16.53	15-20	11.79	4.74
GVV-1	3/8/2012	13.03	16.53	15-20	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
	10/7/1999				10.1	5.68
	3/29/2000				10.88	4.90
**GW-7	3/8/2012	15.78	15.78	24-34	11.02	4.76
GVV-7	3/20/2013	15.76	15.76	24-34	10.73	5.05
	2/13/2014				11.03	4.75
					11.51	4.27
	3/8/2012				12.2	3.80
E)// 4	3/20/2013	40.05	40.00	E 4E	11.16	4.84
_ ⊏vv-1	EW-1 2/13/2014	12.95	16.00	5-15	11.48	4.52
8/13/20015 3/8/2012				11.51	4.49	
				8.92	3.54	
EW 2	3/20/2013	10.46	10.46	E 15	8.65	3.81
EW-2	2/13/2014	12.46	12.46	5-15	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 W	ells Located Off-	Site				
	4/1/1998				9.62	6.42
	10/7/1999				9.25	6.79
GW-4	3/29/2000	15.91	16.04	8.5-18.5	11.45	4.59
	2/13/2014				12.27	3.77
	8/12/2015				12.1	3.94
	4/1/1998				10.4	6.38
	10/7/1999				9.82	6.96
GW-5	3/29/2000	16.90	16.78	9.2-19.2	11.62	5.16
	2/13/2014				13.75	3.03
	8/12/2015				13.88	2.90
	10/7/1999				0.94	3.54
	3/29/2000				1.05	3.43
**GW-9	3/8/2012	4.29	4.48	24-34	1.67	2.81
	3/20/2013				1.54	2.94
	2/13/2014				1.79	2.69
	10/7/1999				8.6	4.53
	3/29/2000				9.55	3.58
**GW-10	2/13/2014	13.09	13.13	24-34	10.04	3.09
	8/12/2015	-			10.04	2.39
	3/20/2013				6.99	2.39
EW-3	2/13/2014	9.27	9.15	3-13	5.68	3.47
LVV-3		9.27	9.13	3-13		
	8/11/2015				6.97	2.18
EW-4	2/13/2014 8/11/2015	17.16	17.15	4-14	10.28 8.87	6.87 8.28
	2/13/2014				3.27	-0.09
EW-5	8/12/2015	-0.145	3.18	3-8	3.60	-0.42
F).// 0	2/13/2014	4 15	4.55	0.5	3.05	1.01
EW-6	8/12/2015	1.43	4.06	3-8	3.22	0.84
EW-7	2/13/2014	1.46	4.99	4-9	4.20	0.79
	8/12/2015	1.40	4.99	4-9	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.

TABLE 2 - SUMMARY OF SOIL TESTING RESULTS, NOVEMBER 1987

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

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													
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													
Silver	NA													
CHLORINATED VOLATILES (u	g/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								
Acenaphthylene	ND	NA	NA	NA	ND	NA								
Fluoranthene	ND	NA	NA	NA	ND	NA								
Fluorene	ND	NA	NA	NA	ND	NA								
Naphthalene	ND	NA	NA	NA	ND	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

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			280
SL-7	1400		SL-35A	32		SL-50	120
SL-8	1300		SL-36	45			110
SL-9	5.5		SL-37	6300		SP-1	310
SL-10	24		3L-3/	41		SP-2	350
SL-10 (dup)	30		SL-37 (dup)	3500		SP-3	210
SL-11	46			31		SL-BK1	88
HW-1	360		SL-38	20		SL-BK2	43
HW-2	1500			31			2
HW-3	14		SL-38 (dupe)	31		VSL-1	1.8
SL-12	4600			730			1.6
SL-13	120		SL-39	460			22
SL-14	110			17		VSL-2	12
SL-15	190		SL-40	1300			4.8
SL-16	250		3L-40	13		VSL-3	25
SL-16 (dup)	280		SL-41	100			18000
SL-17	3.1			30		VSL-4	88
SL-18	140		SL-42	28			27
SL-19	12		SL-43	110		VSL-4 (dup)	30
SL-20	390		DL 43	29		VSL-5	340
SL-21	15	_		310		VDL 3	29
SL-22	19			420			680
SL-22 (dup)	13	_	SL-44	180	1		2000
SL-23	84			300		VSL-6	86
SL-24	60			33		VDL-0	560
SL-25	57	_	SL-44 (dup)	290	1		540
SL-26	190	_	5E ++ (dup)	31	<u> </u>		35
SL-27	160	_	SL-45	150	1		180
SL-27 (dup)	120	_		18	1	VSL-7	73
SL-28	180	_	SL-46	490]		11
SL-29	210						

Notes:

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

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation	GP-04	GP-05	GP-06	GP	P-07	GP-08	GP	2-09
Sample Date	Concentration	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	Criteria	7	2-3	4-5	1	2	6-7	1-2	5-6
Units	Criteria	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:									

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation		GP-10		GF	·11	GF	P-12		GP-13
Sample Date	Concentration	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	Criteria	0-1	2-3	6-7	0-1	1-2	0-1	1-2	0-1	1-2
Units	Criteria	mg/kg								
Volatile Organic Compounds (VOCs	s)									
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:				•	•	•	•	•	•	•

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation		GF	-14		GP-15		GF	-16
Sample Date	Concentration	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	Criteria	2-3	1	2	1	2	3	1-2	6-7
Units	Criteria	mg/kg							
Volatile Organic Compounds (VO	OCs)								
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 (PAI	Hs)								
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

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation	DUP-1 GP-16	GF	P-17	GF	P-18	GF	P-19
Sample Date	Concentration	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012	3/6/2012
Sample Depth	Criteria	6-7	1	2	1	2	1	2
Units	Criteria	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (VO	(Cs)							
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 (PAH	Is)							
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

TABLE 4 - SUMMARY OF SOIL TEST RESULTS, MARCH 2012

Sample ID	Soil Delineation	GP-20	GP-21	DUP-2 GP-21	GP-22	GP-23	GP-24	GP-25	GP-26
Sample Date	Concentration	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	Criteria	1	1	1	1	2	3-4	3-4	2-3
Units	Criteria	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:		·							

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

Sample ID		GP-31	GP-32	GP-32	GP-33	GP-34	GP-35
Sample Date	Soil Delineation	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Sample Depth	Concentration Criteria	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	s)						
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

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

Sample ID		DUP-2 GP-35	GP-36	GP-37	GP-38	DUP-1 GP-38
Sample Date	Soil Delineation	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Sample Depth	Concentration Criteria	2-3	2-3	1	1	1
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (VOCs	s)					
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

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

NA - Not Analyzed NR - Not a regulated substance

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

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

Sample ID	Soil Delineation	HA-NS-01	HA-NS-02
Sample Date	Concentration	2/13/2014	2/13/2014
Sample Depth	Criteria	1	1
Units	Griteria	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

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

Notes:
Bold = Constituent has been detected at or above the reporting limit.

-- = Not Analyzed and/or Not Reported

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

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

Notes:

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

^{-- =} Not Analyzed and/or Not Reported

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:	W-5 11/6/1987 Groundwater	W-5 1993 Groundwater	W-5 2/12/1997 Groundwater	W-5 3/8/2012 Groundwat	
PARAMETER	μg/L	Units:	μg/L	μg/L	μg/L	μg/L	μg/L
Volatile Organic Compounds	(VOCs)						
1,1,1-Trichloroethane	200		BDL	BDL	<5.0	<5.0	<1.0
1,1,2-Trichloroethane	5				7	<5.0	<1.0
1,1-Dichloroethane	4000		9.7	127.7	19	28	16.3
1,1-Dichloroethene	7		44	BDL	110	70	48.6
1,2-Dichloroethane	5		BDL	BDL	12	<5.0	1.93
1,2-Dichloroethene	100		BDL	BDL	< 5.0	<5.0	<1.0
1,2-Dichlorobenzene	600		BDL	BDL		<5.0	<1.0
Benzene	5		BDL	BDL	8.4	<5.0	<1.0
Carbon Tetrachloride	5		BDL	BDL	<5.0	<5.0	<1.0
Chlorobenzene	100		BDL	BDL	< 5.0	<5.0	<1.0
Chloroform	100				<5.0	<5.0	<1.0
cis-1,2-Dichloroethene	70					6.3	4.38
Dibromochloromethane	80.000					<5.0	<1.0
Ethylbenzene	700		BDL	BDL	< 5.0	<5.0	<1.0
Methylene Chloride	5		BDL	BDL	< 5.0	<5.0	<1.0
Methyl tert-butyl ether						<5.0	<2.0
Styrene	100				< 5.0	<5.0	<1.0
Tetrachloroethene	5		12	26.6	16	120	59.5
Toluene	1000		BDL	BDL	<5.0	<5.0	<1.0
trans-1,2-Dichloroethene	100		BDL	BDL		<5.0	<1.0
Trichloroethene	5		BDL	BDL	<5.0	57	34
Vinyl chloride (lifetime)	2		BDL	BDL	<10	<5.0	<1.0
Xylenes, mixture	10000		BDL	BDL	<10	<5.0	<2.0
Metals						Total D	iss.
Arsenic	10						:50
Barium	2000		200				1.8
Cadmium	5						<5
Chromium	100						:10
Lead	15		BDL			-	:10
Mercury	2						0.2
Selenium	50						20
Silver	100						:10

Notes:
Bold = Constituent has been detected at or above the reporting limit.

-- = Not Analyzed and/or Not Reported

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
			m-9/ -	<u> </u>	m3/ —	m-g-
Volatile Organic Compounds						
1,1,1-Trichloroethane	200		BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5					
1,1-Dichloroethane	4000		3	BDL	65.5	33
1,1-Dichloroethene	7		BDL	BDL	90.7	23
1,2-Dichloroethane	5		BDL	BDL	BDL	BDL
1,2-Dichloroethene	100		BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600		BDL	BDL	BDL	BDL
Benzene	5		BDL	BDL	BDL	BDL
Carbon Tetrachloride	5		BDL	BDL	BDL	BDL
Chlorobenzene	100		BDL	BDL	BDL	BDL
Chloroform	100					
cis-1,2-Dichloroethene	70					
Dibromochloromethane	80.000					
Ethylbenzene	700		BDL	BDL	BDL	BDL
Methylene Chloride	5		BDL	BDL	BDL	BDL
Methyl tert-butyl ether					==	
Styrene	100				==	
Tetrachloroethene	5		BDL	BDL	BDL	BDL
Toluene	1000		BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100		3.9	BDL	BDL	BDL
Trichloroethene	5		17	6.6	BDL	BDL
Vinyl chloride (lifetime)	2		BDL	BDL	BDL	BDL
Xylenes, mixture	10000		BDL	BDL	BDL	BDL
Metals_						
Arsenic	10					
Barium	2000		520			
Cadmium	5					
Chromium	100					
Lead	15		10			
Mercury	2			==	==	
Selenium	50					
Silver	100					

Notes:

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

^{-- =} Not Analyzed and/or Not Reported

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:	MW-5 1993 Groundwater	MW-5 1997 Groundwater	GW-1 2/13/1997 Groundwater	GW-1 3/8/2012 Groundwater	GW-1 8/13/2015 Groundwater
PARAMETER	μg/L	Units:	μg/L	μg/L	μg/L	μg/L	μg/L
Volatile Organic Compounds	(VOCs)						
1,1,1-Trichloroethane	200		BDL	BDL	<5.0	<5.0	<1.0
I,1,2-Trichloroethane	5					<5.0	<1.0
I,1-Dichloroethane	4000		BDL	5.4	<5.0	<5.0	<1.0
,1-Dichloroethene	7		BDL	BDL	<5.0	<5.0	<1.0
,2-Dichloroethane	5		BDL	BDL	<5.0	<5.0	<1.0
,2-Dichloroethene	100		BDL	BDL	<5.0	<5.0	<1.0
,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
is-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
Foluene	1000		BDL	BDL	<5.0	<5.0	<1.0
rans-1,2-Dichloroethene	100		BDL	BDL	<5.0	<5.0	<1.0
Frichloroethene	5		BDL	BDL	11	<5.0	<1.0
/inyl chloride (lifetime)	2		BDL	BDL	<10	<5.0	<1.0
(ylenes, mixture	10000		BDL	BDL	<10	<5.0	<2.0
Metals_						<u>Total</u> <u>Dis</u>	<u>s.</u>
Arsenic	10					<50 <50	
Barium	2000					34.1 26.	
Cadmium	5					<5 <5	
Chromium	100					<10 <1	0
_ead	15					<10 <1	
Mercury	2					<0.2 <0.	
Selenium	50					<20 <2	
Silver	100					<10 <1	

Notes:
Bold = Constituent has been detected at or above the reporting limit.

-- = Not Analyzed and/or Not Reported

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

PARAMETER	Type 1 Risk Reduction Standard μg/L	Sample ID: Sample Date: Sample Matrix: Units:	GW-2 3/27/1997 Groundwater μg/L	GW-3 2/12/1997 Groundwater μg/L	GW-4 1998 Groundwater μg/L	GW-4 2/13/2014 Groundwater μg/L	GW-4 8/12/2015 Groundwater μg/L
Volatile Organic Compounds	()(000)						
1,1,1-Trichloroethane	200		<5.0	7.6	BDL	<1.0	<1.0
1.1.2-Trichloroethane	5		<5.0 	7.0		<1.0	<1.0
1,1-Dichloroethane	4000		<5.0	140	BDL	<1.0 <1.0	<1.0 <1.0
1,1-Dichloroethene	4000 7		<5.0 <5.0	210	BDL	<1.0 <1.0	<1.0 <1.0
1.2-Dichloroethane	, 5		<5.0 <5.0	7.3	BDL	<1.0 <1.0	<1.0 <1.0
1,2-Dichloroethane	100		<5.0 <5.0	7.3 64	BDL BDL	<1.0 <1.0	-
,					BDL BDL	-	<1.0
1,2-Dichlorobenzene	600		<5.0	<5.0		<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						

Notes:

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

-- = Not Analyzed and/or Not Reported

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

	Type 1 Risk	Sample ID:	GW-5	GW-5	GW-5
	Reduction	Sample Date:	1998	2/13/2014	8/12/2015
	Standard	Sample Matrix:	Groundwater	Groundwater	Groundwater
PARAMETER	μg/L	Units:	μg/L	μg/L	μg/L
Valadila Onnania Oanna ann Ia	(1/00-)				
Volatile Organic Compounds 1.1.1-Trichloroethane	(VOCS) 200		BDL	<1.0	<1.0
1,1,2-Trichloroethane	200 5		5DL 	<1.0	<1.0 <1.0
1,1-Dichloroethane	4000		BDL	<1.0	<1.0 <1.0
1,1-Dichloroethene	4000 7		BDL	<1.0	<1.0 <1.0
1,2-Dichloroethane	, 5		BDL	<1.0	<1.0 <1.0
•				-	-
1,2-Dichloroethene	100 600		BDL BDL	<1.0 <1.0	<1.0 <1.0
1,2-Dichlorobenzene			BDL BDL	<1.0 <1.0	<1.0 <1.0
Benzene Carbon Tetrachloride	5			-	-
	5		BDL	<1.0	<1.0
Chlorobenzene	100		BDL	<1.0	<1.0
Chloroform	100			<1.0	<1.0
cis-1,2-Dichloroethene	70			<1.0	<1.0
Dibromochloromethane	80.000			<1.0	<1.0
Ethylbenzene	700		BDL	<1.0	<1.0
Methylene Chloride	5		BDL	<1.0	<1.0
Methyl tert-butyl ether				<2.0	<2.0
Styrene	100			<1.0	<1.0
Tetrachloroethene	5		BDL	<1.0	<1.0
Toluene	1000		BDL	<1.0	<1.0
trans-1,2-Dichloroethene	100		BDL	<1.0	<1.0
Trichloroethene	5		BDL	<1.0	<1.0
Vinyl chloride (lifetime)	2		BDL	<1.0	<1.0
Xylenes, mixture	10000		BDL	<2.0	<2.0
Metals					
Arsenic	10				
Barium	2000				
Cadmium	5				
Chromium	100				
Lead	15				
Mercury	2				
Selenium	- 50				
Silver	100				

Notes:
Bold = Constituent has been detected at or above the reporting limit.

-- = Not Analyzed and/or Not Reported

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

PARAMETER	Type 1 Risk Reduction Standard	Sample ID: Sample Date: Sample Matrix: Units:	GW-7 10/7/1999 Groundwater	GW- 3/8/20 Groundy	12 vater	GW-7 2/13/2014 Groundwater	GW-7 8/13/2015 Groundwater	GW-8 10/7/1999 Groundwater	
PARAIVIETER	μg/L	Units:	μg/L	μg/L	•	μg/L	μg/L	μg/L	
Volatile Organic Compounds	(VOCs)								
1,1,1-Trichloroethane	200		< 5.0	<5.0			<1.0	<5.0	
1,1,2-Trichloroethane	5			<5.0			<1.0		
1,1-Dichloroethane	4000		< 5.0	< 5.0			<1.0	< 5.0	
1,1-Dichloroethene	7		< 5.0	<5.0			<1.0	< 5.0	
1,2-Dichloroethane	5		< 5.0	<5.0			<1.0	<5.0	
1,2-Dichloroethene	100		<5.0	<5.0			<1.0	<5.0	
1,2-Dichlorobenzene	600		<5.0	<5.0			<1.0	<5.0	
Benzene	5		<5.0	<5.0			<1.0	<5.0	
Carbon Tetrachloride	5		<5.0	< 5.0			<1.0	<5.0	
Chlorobenzene	100		<5.0	< 5.0			<1.0	<5.0	
Chloroform	100			<5.0			<1.0	13	
cis-1,2-Dichloroethene	70			<5.0			<1.0		
Dibromochloromethane	80.000			<5.0			<1.0		
Ethylbenzene	700		5.2	<5.0			<1.0	<5.0	
Methylene Chloride	5		<5.0	<5.0			<1.0	<5.0	
Methyl tert-butyl ether				<5.0			<2.0		
Styrene	100			<5.0			<1.0		
Tetrachloroethene	5		<5.0	<5.0			<1.0	<5.0	
Toluene	1000		<5.0	<5.0			<1.0	<5.0	
trans-1,2-Dichloroethene	100		<5.0	<5.0			<1.0	<5.0	
Trichloroethene	5		<5.0	<5.0			<1.0	<5.0	
Vinyl chloride (lifetime)	2		<10	<5.0			<1.0	<10	
Xylenes, mixture	10000		68	230		<2.0	<2.0	<10	
Metals				<u>Total</u>	Diss.				
Arsenic	10			<50	<50				
Barium	2000			<20	<20				
Cadmium	5			<5	<5				
Chromium	100			<10	<10				
Lead	15			<10	<10				
Mercury	2			<0.2	<0.2				
Selenium	50			<20	<20				
Silver	100			<10	<10				

Notes:

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

-- = Not Analyzed and/or Not Reported

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
TAKAWETEK	μg/∟	Omits.	μg/L	μу/∟	μg/L	μg/L	μ9/∟
Volatile Organic Compounds	(VOCs)						
1,1,1-Trichloroethane	200		<5.0	<1.0	<5.0	<1.0	<1.0
1,1,2-Trichloroethane	5			<1.0		<1.0	<1.0
1,1-Dichloroethane	4000		28	6.14	<5.0	<1.0	<1.0
1,1-Dichloroethene	7		39	15	<5.0	<1.0	<1.0
1,2-Dichloroethane	5		<5.0	<1.0	<5.0	<1.0	<1.0
1,2-Dichloroethene	100		9.1	<1.0	<5.0	<1.0	<1.0
1,2-Dichlorobenzene	600		<5.0	<1.0	<5.0	<1.0	<1.0
Benzene	5		8	1.22	<5.0	<1.0	<1.0
Carbon Tetrachloride	5		<5.0	<1.0	<5.0	<1.0	<1.0
Chlorobenzene	100		<5.0	<1.0	<5.0	<1.0	<1.0
Chloroform	100		<5.0	<1.0	7.8	<1.0	<1.0
cis-1,2-Dichloroethene	70			<1.0		<1.0	1.23
Dibromochloromethane	80.000			<1.0		<1.0	<1.0
Ethylbenzene	700		<5.0	<1.0	<5.0	<1.0	<1.0
Methylene Chloride	5		<5.0	<1.0	<5.0	<1.0	<1.0
Methyl tert-butyl ether				<2.0		<2.0	<2.0
Styrene	100			<1.0		<1.0	<1.0
Tetrachloroethene	5		24	5.51	<5.0	1.17	4.44
Toluene	1000		<5.0	<1.0	<5.0	<1.0	<1.0
trans-1,2-Dichloroethene	100		<5.0	<1.0	<5.0	<1.0	<1.0
Trichloroethene	5		12	1.65	<5.0	2.55	3
Vinyl chloride (lifetime)	2		<10	<1.0	<10	<1.0	<1.0
Xylenes, mixture	10000		<10	<2.0	<10	<2.0	<2.0
<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

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:	GW-11 10/7/1999 Groundwater	EW 3/8/2 Ground	012	EW-1 8/13/2015 Groundwater	EW-2 3/7/20 Groundw	12	EW-2 8/13/2015 Groundwater
PARAMETER	μg/L	Units:	μg/L	μg	/L	μg/L	μg/L		μg/L
Volatile Organic Compounds	(VOCs)								
1,1,1-Trichloroethane	200		<5.0	<5.0		<1.0	<5.0		<1.0
1,1,2-Trichloroethane	5		<5.0	< 5.0		<1.0	<5.0		<1.0
1,1-Dichloroethane	4000		<5.0	<5.0		<1.0	5.7		3.79
1,1-Dichloroethene	7		<5.0	< 5.0		<1.0	7.7		6.34
1,2-Dichloroethane	5		<5.0	< 5.0		<1.0	<5.0		<1.0
1,2-Dichloroethene	100		<5.0	< 5.0		<1.0	< 5.0		<1.0
1,2-Dichlorobenzene	600		<5.0	< 5.0		<1.0	<5.0		<1.0
Benzene	5		<5.0	< 5.0		<1.0	< 5.0		<1.0
Carbon Tetrachloride	5		<5.0	<5.0		<1.0	< 5.0		<1.0
Chlorobenzene	100		<5.0	< 5.0		<1.0	<5.0		<1.0
Chloroform	100		<5.0	< 5.0		<1.0	<5.0		<1.0
cis-1,2-Dichloroethene	70			< 5.0		<1.0	16		10.5
Dibromochloromethane	80.000			<5.0		<1.0	< 5.0		<1.0
Ethylbenzene	700		<5.0	< 5.0		<1.0	<5.0		<1.0
Methylene Chloride	5		<5.0	< 5.0		<1.0	<5.0		<1.0
Methyl tert-butyl ether						<2.0	5.1		<2.0
Styrene	100			< 5.0		<1.0	< 5.0		<1.0
Tetrachloroethene	5		<5.0	<5.0		<1.0	76		31.2
Toluene	1000		<5.0	< 5.0		<1.0	<5.0		<1.0
trans-1,2-Dichloroethene	100		<5.0	< 5.0		<1.0	<5.0		<1.0
Trichloroethene	5		<5.0	< 5.0		<1.0	51		21
Vinyl chloride (lifetime)	2		<10	<5.0		<1.0	<5.0		<1.0
Xylenes, mixture	10000		<10	<5.0		<2.0	<5.0		<2.0
Metals				Total	Diss.		Total	Diss.	
Arsenic	10			<50	<50		<50	<50	
Barium	2000			74	68.5		74.1	56.5	
Cadmium	5			<5	<5		<5	<5	
Chromium	100			<10	<10		<10	<10	
Lead	15			<10	<10		<10	<10	
Mercury	2			<0.2	<0.2		<0.2	<0.2	
Selenium	- 50			<20	<20		<20	<20	
Silver	100			<10	<10		<10	<10	

Notes:
Bold = Constituent has been detected at or above the reporting limit.

-- = Not Analyzed and/or Not Reported

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	
FARAIVIETER	µ9/∟	Omits.	μg/∟	μg/L	μg/L	μg/L	μg/L	
Volatile Organic Compounds	(VOCs)							
1,1,1-Trichloroethane	200		<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,2-Trichloroethane	5		<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethane	4000		<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethene	7		<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dichloroethane	5		<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dichloroethene	100		<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dichlorobenzene	600		<1.0	<1.0	<1.0	<1.0	<1.0	
Benzene	5		<1.0	<1.0	<1.0	<1.0	<1.0	
Carbon Tetrachloride	5		<1.0	<1.0	<1.0	<1.0	<1.0	
Chlorobenzene	100		<1.0	<1.0	<1.0	<1.0	<1.0	
Chloroform	100		<1.0	<1.0	<1.0	<1.0	<1.0	
cis-1,2-Dichloroethene	70		<1.0	<1.0	<1.0	<1.0	<1.0	
Dibromochloromethane	80.000		<1.0	<1.0	<1.0	<1.0	<1.0	
Ethylbenzene	700		<1.0	<1.0	<1.0	<1.0	<1.0	
Methylene Chloride	5		<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl tert-butyl ether			<2.0	<2.0	<2.0	<2.0	<2.0	
Styrene	100		<1.0	<1.0	<1.0	<1.0	<1.0	
Tetrachloroethene	5		<1.0	<1.0	<1.0	<1.0	<1.0	
Toluene	1000		<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,2-Dichloroethene	100		<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethene	5		<1.0	<1.0	<1.0	<1.0	<1.0	
Vinyl chloride (lifetime)	2		<1.0	<1.0	<1.0	<1.0	<1.0	
Xylenes, mixture	10000		<2.0	<2.0	<2.0	<2.0	<2.0	
Metals								
Arsenic	10							
Barium	2000					==		
Cadmium	5							
Chromium	100							
Lead	15							
Mercury	2					==		
Selenium	50							
Silver	100							

Notes:

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

-- = Not Analyzed and/or Not Reported

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:	EW-5 8/12/2015 Groundwater	EW-6 2/12/2014 Groundwater	EW-6 8/12/2015 Groundwater	EW-7 2/12/2014 Groundwater	EW-7 8/12/2015 Groundwater	EW-7 3/9/2016 Groundwater
PARAMETER	μg/L	Units:	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
Volatile Organic Compounds	(VOCs)							
1,1,1-Trichloroethane	200		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	4000		<1.0	2.16	8.29	3.72	5.06	4.26
1,1-Dichloroethene	7		<1.0	2.82	13.2	10.7	14.4	14.7
1,2-Dichloroethane	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1.2-Dichloroethene	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Tetrachloride	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	70		<1.0	<1.0	1.85	<1.0	6.19	2.8
Dibromochloromethane	80.000		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	700		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl tert-butyl ether			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5		<1.0	<1.0	<1.0	<1.0	<1.0	1.28
Toluene	1000		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	5		<1.0	<1.0	2.35	4.34	7.4	11.3
Vinyl chloride (lifetime)	2		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, mixture	10000		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
<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

TABLE 9 - SUMMARY OF SLUG TEST DATA

Slugged Monitoring	Calculated Hydraulic Conductivity (K) Value					
Well	(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				

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								
рН	4.95	NA	NA	NA	4.76	4.7		
Specific Conductivity, mS/cm	0.187	NA	NA	NA	0.231	0.125		
ORP, mV	274	NA	NA	NA	92	342		
Dissolved Oxygen, mg/L	3.37	NA	NA	NA	0.06	0		
Temperature, °C	23.83	NA	NA	NA	20.03	21.32		
Laboratory Measured Parameters								
Total Organic Carbon	1.31	331	2420	19000	5.44	1.31		
Ferrous Iron	< 0.05	NA	NA	NA	0.16	< 0.05		
Alkalinity	<4.0	NA	NA	NA	<4.0	<4.0		
Ethane	< 0.002	NA	NA	NA	< 0.002	< 0.002		
Ethylene	< 0.002	NA	NA	NA	< 0.002	< 0.002		
Methane	0.00323	NA	NA	NA	0.0286	0.00277		
Nitrate	< 0.25	NA	NA	NA	<0.25	4.78		
Nitrite	<0.25	NA	NA	NA	<0.25	<0.25		
Sulfate	35.4	NA	NA	NA	73.8	13.5		
Sulfide	<2.0	NA	NA	NA	<2.0	<2.0		
Chloride	29.6	NA	NA	NA	17.2	13		

Notes:

mS/cm - mircoSiemens per centimeter

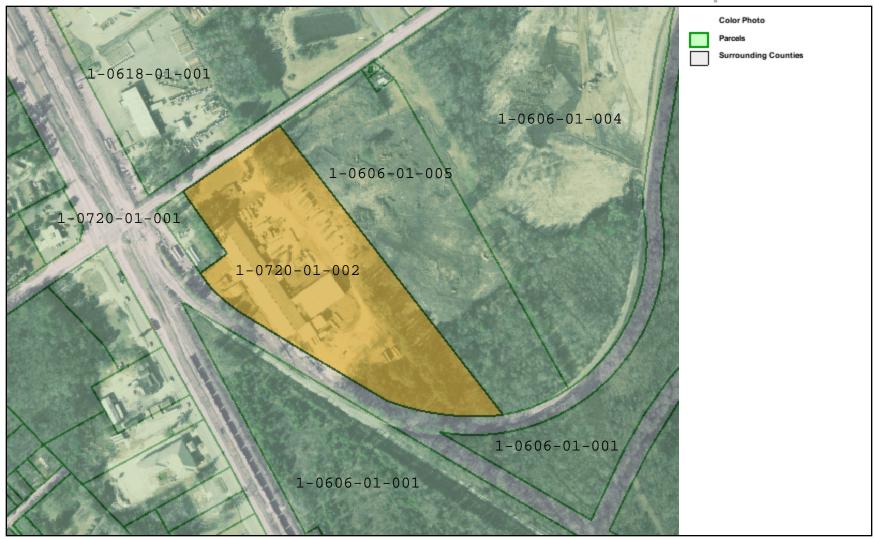
mV - millivolts

mg/L - milligrams per liter

°C - degrees celsius

APPENDIX A WARRANTY DEED WITH LEGAL DESCRIPTION AND TAX PLAT MAP

MapIT



Tax Map

0 _____ 149 feet

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 COLOR

OCICA

STATE OF GEORGIA
COUNTY OF CHATHAM

QUITCLAIM DEED

THIS INDENTURE, made this 25th day of _______, 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.

Witness

Signed, sealed and delivered on this 25 day of <u>June</u>, 2010, in the presence of:

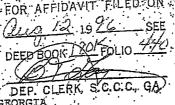
y Public, Dekalb County, GA.

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

Title: Vice President - Forvest Williams

Attest: (audline & /M

7



\$ 1147 (4)

STATE OF GEORGIA COUNTY OF CHATHAM

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;

WITTHESSETH:

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

1 3

Fifty (50) feet to a stake; running thence North Sixtyfive 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 Fortyseven 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 con-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 reference is hereby made to the arcresaid 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

ubkic, Chatham County, Flei For Record At.

12 Day Of 7 eli Recorded in Record Book 114.

To Dwight Fremster

180x

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

STATE OF GEORGIA

COUNTY OF CHATHAM

FILED FOR FEODED K

CC 590 19: FR le

440

THIS AFFIDAVIT is executed by L. Daie 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.

AFFIDAVIT

- 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 Bast (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

7844106001 08/12/96T

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 57° 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 47º.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 toa 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 Bast (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 Sayannah Bank and Trust Company of Sayannah 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 1141, folio

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

Hazardous Site Inventory and was in need of corrective action.

- 5. Accordingly, the Owner hereby files this Affidavit and states as follows:
- (a) This property has been listed on the State's Hazardous Site Inventory and has been designated as needing corrective action due to the presence of hazardous waste, hazardous constituents, or hazardous substances regulated under State law. Contact the property owner or the Georgia Environmental Protection Division for further information concerning this property. This notice is provided in compliance with the Georgia Hazardous Site Response Act.
- (b) The owner of the property can be located at Hendrix Machinery, Inc. 1725 Old Dean Forest Road, Savannah, Georgia, 31403

Respectfully submitted this At day of August, 1996.

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 A day of August

, 1996:

Server D

D (PBCISE B) OGSTIN buy Public Children County, Gr. Commission Expressional 4, 2000

APPENDIX B
LABORATORY DATA (cd copy)



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 161800418

REPORT OF RESULTS

	REPORT OF RESULTS	•		Page 1
LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID	SAMPLES	DATE/ TIME SAMPLED	
02031B-1 02031B-2	VSL-6-6 SL-50-3		03-29-00/10:40	
PARAMETER		02031B-1	02031B-2	
Lead (6010)				
Lead, mg/kg	g dw	35	110	
Dilution Fa	actor	1	1	
Prep Date		04.17.00	04.17.00	
Analysis Da	ate	04.18.00	04.18.00	
Batch ID		0417A	0417A	
Percent Sol:	ids	77	80	•



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 161800418

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLII	O/SEMISOLID		
02031B-3 02031B-4 02031B-5	Method Blank Lab Control Standard % Recovery LCS Accuracy Control Limit (%R)			
PARAMETER		02031B-3	02031B-4	02031B-5
Lead (6010) Lead, mg/k Dilution F Prep Date Analysis D Batch ID	actor	<0.50 1 04.17.00 04.18.00 0417A	101 % 1 04.17.00 04.18.00 0417A	75-125 %



LOG NO: S0-02031B

Received: 14 APR 00 Reported: 18 APR 00

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 161800418

REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , QC REPORT	' FOR SOLID,	/SEMISOLID	DATE/ TIME SAMPLED	,
02031B-6 02031B-7 02031B-8 02031B-9	MS/MSD % Recovery MS Accuracy Advisory Limit (%R Precision (%RPD) MS/MSD MS Precision Advisory Limit (%				
PARAMETER		02031B-6	02031B-7	02031B-8	02031B-9
Lead (6010) Lead, % Dilution F Prep Date Analysis D Batch ID	actor	98/112 % 1 04.17.00 04.18.00 0417A	75-125 % 	13 % 	<20 %

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., Suite 100, Tampa, FL 33634
0	0	0	0

Phone: (912) 354-7858 Fax: (912) 352-0165 2301 Phone: (850) 878-3994 Fax: (850) 878-9504 Phone: (334) 666-6633 Fax: (334) 666-6696 34 · Phone: (813) 885-7427 Fax: (813) 885-7049

)

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)		MATRIX TYPE		REQUI	REQUIRED ANALYSES	PAGE 2. OF	ı. ~
STL (LAB) PROJECT MANAGER		P.O. NUMBER	CONTRACT NO.		(OTE				STANDARD REPORT DELIVERY	0
CLIENT (SITE) PM	CLIE	CLIENT PHONE	CLIENT FAX	DICATE	VENT, I	90			DATE DUE	
CLIENT NAME	CLIE	CLIENT EMAIL		INI (Đ) 8A	01F' 80F.	1(01	· · · · · · · · · · · · · · · · · · ·		EXPEDITED REPORT DELIVERY (SURCHARGE)	0
CLIENT ADDRESS				. (A3		09)			DATE DIJE	
COMPANY COLITRACTING THIS WORK (If applicable):	WORK (if applicable):			(D) ETIEC	OB SEMI	1	. प्रक्रिक है जिल्ला - क्यून		NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	IBMITTED PER 0
SAMPLE DATE TIME		SAMPLE IDENTIFICATION	IFICATION	POUEC	ЯIA		NUMBER OF CC	NUMBER OF CONTAINERS SUBMITTED	REMARKS	
3/24 10.70	-9-75A	<i>h-</i>)	`**	•		,	Protect by April	2,6,3
c1:01 pr./s	1,1 - 6.5	۶.			×	-			Until steader	100
ch: 51 bafc	456-6-) -		,	\ \ \					
00:11 1:00	54 - 38-2				Ý	,				1475
5/29 (1):10.2	56 - 38-3	ź			,	1		-	frince subs	supart Co
3/24 11:20	56 - 38-4	,			->-				L Before Penorhamp	<u> </u>
3/28 17:26	56 - 50 - 1	,		200					Plan >6 Call	Γ.
3/28 17:35	54.50-2	2							or C. Hemiragon	(6011.1
3/25 17:15	51-50-3	- 3							Such sock the	
3/28 16:70	56-49-1	-1				,			1	
2/28 17:13	56 - 49-2	2-				. ~				
11/8	M. Dupe	7 = 7				,				
RELINQUISHED BY; (SIGNATURE)		re TIME	RELINQUISHED BY: (SIGNATURE)	BY: (SIGNAT	URE)	DATE		RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	E) DATE	TETIME	RECEIVED BY: (SI	SIGNATURE)		DATE	7 / / / / / / / / / / / / / / / / / / /	BECEIVED BY: (SIGNATURE)	DATE	HWI.
-	-			•						!
				LABORATORY USE ONLY	ORY U	SE ONLY				

LABORATORY REMARKS:

STL-SL LOG NO. 30.03

CUSTODY INTACT | CUSTODY

RECEIVED FOR LABORATORY BY: (SIGNATURE)

YES/ NO

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION	, LIQUID S.	AMPLES		DATE/ TIME SAMPLEI)
16751-1	GW-9				10-07-99/14:	:00
16751-2	GW-8				10-07-99/14:	
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				16751-3	16751-4	16751-5
Volatiles by	GC/MS (8260)					
Chlorometha	-	<10	<10	<10	<10	<10
Bromomethan	e (Methyl bromide),	ug/l <10	<10	<10	<10	<10
Vinyl chlor	ide, ug/l	<10	<10	<10	<10	<10
Chloroethan	e, ug/l	<10	<10	<10	<10	<10
Methylene c	hloride	<5.0	<5.0	<5.0	<5.0	<5.0
(Dichlorom	ethane), ug/l					
Acetone, ug		<50	<50	<50	<50	<50
	lfide, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichlor	oethene, ug/l	39	<5.0	<5.0	<5.0	<5.0
-	oethane, 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-Dichlor	oethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
	(MEK), ug/l	<25	<25	<25	<25	<25
1,1,1-Trich	loroethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon Tetr	achloride, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichlo	romethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tet	rachloroethane, ug/	1 <5.0	<5.0	<5.0	<5.0	<5.0

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

REPORT	OF	RESULTS
--------	----	---------

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		DATE/ TIME SAMPLED	rage 3
16751-6 16751-7	DUPE W-1 Trip Blank		10-07-99 10-07-99	
PARAMETER		16751-6	16751-7	
	by GC/MS (8260)			
Chloromet	hane, ug/l	<10	<10	
Bromometh	ane (Methyl bromide), ug/l	<10	<10	
Vinyl chl	oride, ug/l	<10	<10	
Chloroeth	ane, ug/l	<10	<10	
Methylene	chloride (Dichloromethane), ug/l	<5.0	<5.0	
Acetone,	= :	<50	<50	
Carbon di	sulfide, ug/l	<5.0	<5.0	
	oroethene, ug/l	<5.0	<5.0	
	oroethane, ug/l	<5.0	<5.0	
	-1,2-Dichloroethene, ug/l	<5.0	<5.0	
Chlorofor	m, ug/l	<5.0	<5.0	
	oroethane, ug/l	<5.0	<5.0	
	e (MEK), ug/l	<25	<25	
	chloroethane, ug/l	<5.0	<5.0	
	trachloride, ug/l	<5.0	<5.0	
	loromethane, ug/l	<5.0	<5.0	
	etrachloroethane, ug/l	<5.0	<5.0	
	oropropane, ug/l	<5.0	<5.0	
·	-Dichloropropene, ug/l	<5.0	<5.0	
	ethene, ug/l	<5.0	<5.0	
Dibromoch	loromethane, ug/l	<5.0	<5.0	

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

ਾਾਰ∩ਰਾਹਰ	\cap	RESULTS
REPURI	UP	RESULTS

SAMPLE DESCRIPTION , LIQUID SAMPLES		DATE/ TIME SAMPLED	
DUPE W-1 Trip Blank		10-07-99 10-07-99	
	16751-6		
chloroethane, ug/l ug/l ichloropropene, ug/l , ug/l e, ug/l 2-pentanone (MIBK), ug/l roethene, ug/l ug/l zene, ug/l ene, ug/l ene, ug/l total), ug/l - Toluene-d8 - 4-Bromofluorobenzene - Dibromofluoromethane Factor Date	<5.0 <5.0 <5.0 <25 <25 <5.0 <5.0 <5.0 <5.0 <10 86 % 80 % 88 %	<5.0 <5.0 <5.0 <25 <25 <5.0 <5.0 <5.0 <10 86 % 80 % 1.0	
	DUPE W-1 Trip Blank chloroethane, ug/l ug/l ichloropropene, ug/l , ug/l e, ug/l 2-pentanone (MIBK), ug/l roethene, ug/l ug/l zene, ug/l ene, ug/l total), ug/l - Toluene-d8 - 4-Bromofluorobenzene - Dibromofluoromethane Factor	DUPE W-1 Trip Blank 16751-6 chloroethane, ug/l	SAMPLE DESCRIPTION , LIQUID SAMPLES TIME SAMPLED DUPE W-1 10-07-99 Trip Blank 16751-6 16751-6 16751-7 Chloroethane, ug/l <5.0

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

			DATE/	J
LOG NO	SAMPLE DESCRIPTION , QC REPORT FO	OR LIQUID SAMPLES	TIME SAMPLE	D
	Method Blank Lab Control Standard % Recovery LCS Accuracy Control Limit (%R)			
PARAMETER			16751-9	16751-10
Volatiles by	y GC/MS (8260)			
Chlorometh	ane, ug/l	<10		
Bromometha	ne (Methyl bromide), ug/l	<10		
Vinyl chlo	ride, ug/l	<10		
Chloroetha	ne, ug/l	<10		
Methylene	chloride (Dichloromethane), ug/l	<5.0		
Acetone, u		<50		
	ulfide, ug/l	<5.0		
1,1-Dichlo	roethene, ug/l	<5.0	98 %	46-147 %
	roethane, ug/l	<5.0		
Cis/Trans-:	1,2-Dichloroethene, ug/l	<5.0		
Chloroform	, ug/l	<5.0		
1,2-Dichlo	roethane, ug/l	<5.0		
2-Butanone	(MEK), ug/l	<25		
1,1,1-Tric	hloroethane, ug/l	<5.0	,-	
Carbon Tet:	rachloride, ug/l	<5.0		
Bromodichle	oromethane, ug/l	<5.0		
1,1,2,2-Tet	trachloroethane, ug/l	<5.0		
1,2-Dichlo	ropropane, ug/l	<5.0		
trans-1,3-1	Dichloropropene, ug/l	<5.0		
Trichloroet	thene, ug/l	<5.0	88 %	56-143 %

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

			DATE/	24900
LOG NO		OR LIQUID SAMPLES		
16751-9	Method Blank Lab Control Standard & Recovery LCS Accuracy Control Limit (%R)			
PARAMETER		16751-8	16751-9	
	loromethane, ug/l	<5.0		
	chloroethane, ug/l	<5.0		
Benzene, u	-	<5.0	94 %	62-135 %
	ichloropropene, ug/l	<5.0		
Bromoform,	 	<5.0		
2-Hexanone	•	<25		
4-Methyl-2	2-pentanone (MIBK), ug/l	<25		
Tetrachlor	coethene, ug/l	<5.0		
Toluene, ι	The state of the s	<5.0	92 %	68-131 %
	zene, ug/l	<5.0	96 %	72-127 %
Ethylbenze	ene, ug/l	<5.0		
Styrene, ı	1g/1	<5.0		
Xylenes (t	cotal), ug/l	<10		
Surrogate	- Toluene-d8	86 %	84 %	77-122 %
Surrogate	- 4-Bromofluorobenzene	82 %	86 %	74-126 %
-	- Dibromofluoromethane	86 %	86 %	70-130 웅
Dilution H	Factor	1.0	1.0	
Analysis I	Date	10.12.99	10.12.99	
Batch ID		201012	201012	

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

LOG NO	SAMPLE DESCRIPTION , Q	C REPORT FOR LIQUID	SAMPLES	DATE/ TIME SAMPLE	D
	MS/MSD % Recovery (GW- MS Accuracy Advisory L Precision (%RPD) MS/MS MS Precision Advisory	imit (%R) D Limit (%RPD)			
PARAMETER			16751-12	16751-13	16751-15
Volatiles 1	by GC/MS (8260)				
	oroethene, %	106/106 %	46-147 %	0 %	0-30 %
Trichloro	ethene, %	96/94 %	56-143 %	2 %	0-35 %
Benzene,	8	102/100 %	62-135 %	2 %	0-37 %
Toluene,	8	100/100 %	68-131 %	0 %·	0-33 %
Chloroben:	zene, %	104/104 %	72-127 %	0 %	0-22 %
Dilution I	Factor	1.0			
Analysis I	Date	10.13.99			
Batch ID		201013			
	- 				

Methods: EPA SW-846, Update III.

Exizapeth F. Beaughamp

Project Manager

. با

Seri: ber

☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 ☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 Phone: (504) 764-1100	Fax: (813) 885-7049 Fax: (504) 725-1163
MATRIX REQUIRED ANALYSES	PAGE / OF
	1
785	STANDARD STANDARD BEPORT DELIVERY
	EXPEDITED REPORT DELIVERY(surcharge)
PRESERVATOR / /	Date Due:
NUMBER OF CONTAINERS SUBMITTED	REMARKS
	tale MS/MSD
	Grow (Two-10
	call w/grashous
DATE TIME RELINQUISHED BY: (SIGNATURE)	DATE TIME
DATE TIME RECEIVED BY: (SIGNATURE)	DATE TIME
EONIX	
CUSTODY INTACT CUSTODY SEALNO? SLLOG NO. LABORATORY REMARKS:	
591675/	
MBER OF CONTA	GNATURE)



5102 LaRoche Avenue • Savannah, GA 31404 • (912) 354-7858 • Fax (912) 352-0165 • www.stlsavlab.com LOG NO: S0-02031A

Received: 11 APR 00 Reported: 14 APR 00

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 165800414

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION	, SOLID OR	SEMISOLID	SAMPLES	DATE/ TIME SAMPLE	D
02031A-1 02031A-2 02031A-3 02031A-4 02031A-5	VSL-6-5 SL-50-2 SL-49-2 SL-DUPE2 SL-44-5	·			03-29-00/10 03-28-00/17 03-28-00/17 03-29-00 03-28-00/16	:35 :13
PARAMETER		02031A-1			02031A-4	02031A-5
Lead (6010) Lead, mg/k Dilution F Prep Date Analysis D Batch ID	actor		120 1 04.12.00 04.13.00 0412A	1 04.12.00 04.13.00	1 04.12.00 04.13.00	
Percent Sol	ids	78	87	83	84	86



Received: 11 APR 00 Reported: 14 APR 00

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 165800414

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID	SEMISOLID		
02031A-6 02031A-7 02031A-8	Method Blank Lab Control Standard % Recovery LCS Accuracy Control Limit (%R)			
PARAMETER		02031A-6	02031A-7	02031A-8
Lead (6010) Lead, mg/k Dilution F Prep Date Analysis D Batch ID	actor	<0.50 1 04.12.00 04.13.00 0412A	99 % 1 04.12.00 04.13.00 0412A	75-125 %



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 3

LOG NO	DATE/ SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID TIME SAMPLED	
02031A-9 02031A-10 02031A-11 02031A-12	MS/MSD % Recovery MS Accuracy Advisory Limit (%R) Precision (%RPD) MS/MSD MS Precision Advisory Limit (%RPD)	
PARAMETER	02031A-9 02031A-10 02031A-11 02031A-12	
Lead (6010) Lead, % Dilution F Prep Date Analysis D Batch ID	04.12.00	

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

Savan ah Laboratories

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

0000

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

Ser Jumt Jumt

PROJECT REFERENCE	ENCE S S T	PROJE	PROJECT NO.	PROJECT LOCATION (STATE)	MM.	MATRIX TYPE			REQUIRED	REQUIRED ANALYSES	PAGE	N	OF.
STI. (LAB) PROJECT MANAGER	OT MANAGER	P.O. N	P.O. NUMBER	CONTRACT NO.		(OTE					STAN	STANDARD REPORT DELIVERY	0
CLIENT (SITE) PM		CLIENT	CLIENT PHONE	CLIENT FAX	∃TA3IQ	VENT, I	92				L 2 1	DATE DUE	
CLIENT NAME		CLIENI	CLIENT EMAIL		N) (B) B)	108 'DIC	101				DELIV (SURC	EAFEURED HEFURI DELIVERY (SURCHARGE)	0
CLIENT ADDRESS	8					רוסחום (מ 20רום	109)					DATE DUE	
COMPANY CONTRACTING THIS WORK (if applicable):	AACTING THIS WO	ਮਿਨ (if applicable):			raw) suc	OE SEWI	1	**			NUMB	IER OF COOLERS	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
SAMPLE DATE	PLE TIME	S	SAMPLE IDENTIFICATION	ATION	AQUEC	RIA		NUMBER	OF CONT	NUMBER OF CONTAINERS SUBMITTED		REMARKS	3KS
3/59	10.10	4-9-254	J		. 3	X	سنة			,	6	Project of the f	(16 (Apr.) (Apr.)
	CELO1	5.9-24)		ÿ	٠					5	Jahr Jan	Jan 1901) 1507
	(); 31	757 - 9 -	ÿ		Ę. ,	>					7-0	-	1
	11:00	54-38-2				*					3	(K 1 7 c)	1 140
J/2.7	61.11	56. 38-3			Side - Table	į.	ij				17.4	A Line Co	The part of the
3/26	25.77	St . 38-4				770	. 40-				٦		Or W. Dr. fram.
34/	12:61	1-05-75					-				7	Readle Call C. to	C. feel
6.	17:35	56:50-2									3	er C. Leminger	
	17.78	56-50-3				white the same	,				750	Parthon & No	
	16,70	- 49 - X	1	٠	-	,							
(1)	17.13	2- 44-5	7				- ~						
		st - Dupe	7										
RELINQUISHED BY: (SIGNATURE)	ED BY: (SIGNAT	ияе) БАТЕ	TIME	RELINQUISHED BY	D BY: (SIGNATURE)	URE)	DATE	62	TIME 197	RELINQUISHED BY: (SIGNATURE)	GNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	': (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGN	(SIGNATURE)		DATE		TIME	RECEIVED BY: (SIGNATURE)	JRE)	DATE	TIME
	Story Liberature Constitution			Ų	BORAT	rory U	LABORATORY USE ONLY						

STL-SL LOG NO. | LABORATORY REMARKS:

50-03-03

CUSTODY SEAL NO.

CUSTODY INTACT

RECEIVED FOR LABORATORY BY:

(SIGNATURE)

ANALYSIS

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

5102 LaRoche Avenue, Savannah, GA 31404
C 2846 Industrial Plaza Drive, Tallahassee, FL 32301
O 900 Lakeside Drive, Mobile, AL 36693
O 6712 Benjamin Rd., Suite 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

TO Janilina paliac

PROJECT REFERENCE	ENCE SSSS		PROJECT NO.		PROJECT LOCATION (STATE)	M, T	MATRIX			REQUIRED ANALYSES	ANALYSES	PAGE	[N]	OF.
STI. (LAB) PROJECT MANAGER	OT MANAGER		P.O. NUMBER		CONTRACT NO.			i				STAN	STANDARD REPORT DELIVERY	0
CLIENT (SITE) PM			CLIENT PHONE		CLIENT FAX	SICATE						2	DATE DUE	
CLIENT NAME			CLIENT EMAIL			INI (Đ) 841		(OIT' 8OF			····	SURC (SURC	EXPEDITED NEPORT DELIVERY (SURCHARGE)	0
CLIENT ADDRESS											,		DATE DUE	
COMPANY CONTE	COMPANY CONTRACTING THIS WORK (if applicable):	ORK (if applicable):				OSITE (C	OH SEWI	/ oneona			<u>-</u>	SHIP	BER OF COOLERS MENT:	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
SAMPLE	PLETIME		SAMPLE	SAMPLE IDENTIFICATION	NOL		RIA	DANON	NUMBE	R OF CONTA	NUMBER OF CONTAINERS SUBMITTED	Œ	REMARKS	łKS
1	The state of the s	1	· Dupe 1	#-	-	7	See.	-			•		Sec. 13 fe	661
SS SY	16210	h-46 - 75	h-44)	in the second	<u>.</u> .				Ø	2 3 9 P. D.	fr-
70	55:31	5 ×	5-1-12			C	2	ij				7	The be skill	s. n.
87/5	17:00	5 x	9-125)	≠.	*						,
							<u> </u>							
								*						
	-													
							<u> </u>							
RELINQUISH	RELINQUISHED BY: (SIGNATURE)	rure)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	(SIGNA	TURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	3Y: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	Y: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	тине)			<i>⊃∫≈</i> / DATE	TIME	RECEIVED BY: (SIGNATURE)	IGNATURE)	DATE	TIME
					/									

STL-SL LOG NO. |LABORATORY REMARKS:

LABORATORY USE ONLY

CUSTODY SEAL NO.

CUSTODY INTACT

RECEIVED FOR LABORATORY BY:

(SIGNATURE)

120-030



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 094500411

	REPORT OF RESULTS	5		Page 1
LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		DATE/ TIME SAMPLED	
02031-1 02031-2			03-29-00/09:4 03-29-00	0
PARAMETER		02031-1	02031-2	
	y GC/MS (8260)			
Chlorometh	ane, ug/l	<20	<20	
Bromometha	ne (Methyl bromide), ug/l	<20	<20	
Vinyl chlo	ride, ug/l	<20	<20 -	
Chloroetha		<20	<20	
_	chloride (Dichloromethane), ug/l	<100	<100	
Acetone, u		<500	<500	
	ulfide, ug/l	<20	<20	
	roethene, ug/l	2800	2700	
	roethane, ug/l	96	92	
	chloroethene, ug/l	<20	<20	
	Dichloroethene, ug/l	<20	·	
Chloroform	•	<20	·	
•	roethane, ug/l	<20		
	(MEK), ug/l	<200		
	nloroethane, ug/l	<20	<20	
	rachloride, ug/l	<20	·	
	promethane, ug/l	<20	·	
	crachloroethane, ug/l	<20	·	
	ropropane, ug/l	<20		
	Dichloropropene, ug/l	<20		
Trichloroet	thene, ug/l	<20	<20	



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 094500411

REPORT OF	RESULTS
-----------	---------

SAMPLE DESCRIPTION , LIQUID SAMPLES		DATE/ TIME SAMPLED	J
GW-12 DUPE W		03-29-00/09:4 03-29-00	0
		02031-2	
loromethane, ug/l chloroethane, ug/l ug/l ichloropropene, ug/l , ug/l e, ug/l 2-pentanone (MIBK), ug/l roethene, ug/l ug/l zene, ug/l ene, ug/l ene, ug/l - Toluene-d8 - 4-Bromofluorobenzene - Dibromofluoromethane Factor Date	<20 <20 <20 <20 <20 <200 <200 <200 <200	<20 <20 <20 <200 <200 <200 <200 <20 <20	·
	100330	100330	
	GW-12 DUPE W loromethane, ug/l chloroethane, ug/l ug/l ichloropropene, ug/l , ug/l e, ug/l 2-pentanone (MIBK), ug/l roethene, ug/l ug/l zene, ug/l ene, ug/l ene, ug/l ene, ug/l ene, ug/l one, ug/l one	GW-12 DUPE W O2031-1	SAMPLE DESCRIPTION , LIQUID SAMPLES GW-12 DUPE W 03-29-00 02031-1 02031-2 10romethane, ug/1 chloroethane, ug/1 ug/1 cichloropropene, ug/1 ug/1 e, ug/1 e, ug/1 20 2-pentanone (MIBK), ug/1 2-pentanone (MIBK) ag/1 2-pentanone (MIBK) bg/1 2-pentanone bg/1



Dilution Factor

Prep Date

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

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

1

Code: 094500411

Page 3

1

DATE/ LOG NO SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES TIME SAMPLED ------02031-3 VSL-6-4 03-29-00/10:20 SL-38-2 02031-4 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 02031-4 02031-5 02031-6 02031-7 Lead (6010) Lead, mg/kg dw 560 20 280 490 460

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

1



LOG NO: S0-02031

Received: 29 MAR 00 Reported: 11 APR 00

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 094500411

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR	SEMISOLID SAMPLES	DATE/ TIME SAMPLED
02031-8	SL-44-4		03-28-00/16:40
PARAMETER		02031-8	
Lead (6010)			
Lead, mg/kg	g dw	300	
Dilution Fa	actor	1	
Prep Date		03.31.00	
Analysis Da	ate .	04.03.00	
Batch ID		0331A	
Percent Soli	lds	83	•



LOG NO: S0-02031

Received: 29 MAR 00 Reported: 11 APR 00

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 094500411

REPORT OF RESULTS

LOG NO	DATE/ SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID TIME SAMPLED
02031-9 02031-10 02031-11	Method Blank Lab Control Standard % Recovery LCS Accuracy Control Limit (%R)
PARAMETER	02031-9 02031-10 02031-11
Lead (6010) Lead, mg/kg Dilution Fa Prep Date Analysis Da Batch ID	1 1 03.31.00 03.31.00



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 094500411

REPORT OF RESULTS

LOG NO	DATE/ SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID TIME SAMPLED
02031-12 02031-13 02031-14 02031-23	MS/MSD % Recovery MS Accuracy Advisory Limit (%R) Precision (%RPD) MS/MSD MS Precision Advisory Limit (%RPD)
PARAMETER	02031-12 02031-13 02031-14 02031-23
Lead (6010) Lead, % Dilution I Prep Date Analysis I Batch ID	*F61/*F61 75-125 % *F61 <20 Factor 1 03.31.00



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

D7000 /

Sampled By: Client

Code: 094500411

REPORT OF RESULTS

			DATE/	
LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LI	QUID SAMPLES	TIME SAMPLE)
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 b	oy GC/MS (8260)			
Chlorometh	nane, ug/l	<1.0		
Bromometha	ane (Methyl bromide), ug/l	<1.0		
Vinyl chlo	oride, ug/l	<1.0		
Chloroetha	ane, 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-Di	chloroethene, ug/l	<1.0		
trans-1,2-	Dichloroethene, ug/l	<1.0		
Chloroform	n, ug/l	<1.0	`-	
1,2-Dichlo	proethane, ug/l	<1.0		
2-Butanone	e (MEK), ug/l	<10		
1,1,1-Tric	chloroethane, ug/l	<1.0		
Carbon tet	rachloride, ug/l	<1.0		
Bromodichl	oromethane, ug/l	<1.0		
1,1,2,2-Te	etrachloroethane, ug/l	<1.0		
1,2-Dichlo	propropane, ug/l	<1.0		
trans-1,3-	Dichloropropene, ug/l	<1.0		

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

REPORT	OF	RESULTS
--------	----	---------

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

16751-5 GW-10				10-07-99/1	5:15
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,	/1 <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
<pre>Xylenes (total), ug/l</pre>	<10	<10	<10	68	<10
Surrogate - Toluene-d8	86 %	86 %	86 %	86 %	86 %
Surrogate - 4-Bromofluorobenzene		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	L0.13.99	10.13.99	10.14.99	10.14.99	10.14.99
Batch ID	201012	201012	201013	201013	201013



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		DATE/ TIME SAMPLED	Page 3
16751-6			10-07-99	
16751-7	Trip Blank		10-07-99	
PARAMETER		16751-6	16751-7	
	y GC/MS (8260)			
Chlorometha	ane, ug/l	<10	<10	
Bromometha	ne (Methyl bromide), ug/l	<10	<10	
Vinyl chlo		<10	<10	
Chloroetha		<10	<10	
	chloride (Dichloromethane), ug/l	<5.0	<5.0	
Acetone, u	- •	<50	<50	
	ulfide, ug/l		<5.0	
	roethene, ug/l	<5.0	<5.0	
	roethane, ug/l	<5.0	<5.0	
	1,2-Dichloroethene, ug/l	<5.0	<5.0	
Chloroform		<5.0	<5.0	
•	roethane, ug/l	<5.0	<5.0	
	(MEK), ug/l	<25	<25	
1,1,1-Trich	nloroethane, ug/l	<5.0	<5.0	
	rachloride, ug/l	<5.0	<5.0	
Bromodichlo	promethane, ug/1	<5.0	<5.0	
1,1,2,2-Tet	rachloroethane, ug/l	<5.0	<5.0	
	copropane, ug/l	<5.0	<5.0	
trans-1,3-I	Dichloropropene, ug/l	<5.0	<5.0	
Trichloroet	thene, ug/l	<5.0	<5.0	
	oromethane, ug/l	<5.0	<5.0	



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES		DATE/ TIME SAMPLED	
16751-6			10-07-99	
	Trip Blank		10-07-99	
PARAMETER		16751-6	16751-7	
1,1,2-Tric	chloroethane, ug/l		<5.0	
Benzene, u	- -	<5.0	<5.0	
	ichloropropene, ug/l	<5.0	<5.0	
Bromoform,	•	<5.0	<5.0	
2-Hexanone	· · · - · ·	<25	<25	
	2-pentanone (MIBK), ug/l	<25	<25	
	roethene, ug/l	<5.0	<5.0	,
Toluene, ι	- ·	<5.0	<5.0	
Chlorobenz	· · · · · · · · · · · · · · · · · · ·	<5.0	<5.0	
Ethylbenze	_ : _ :	<5.0	<5.0	
Styrene, ı	S.	<5.0	<5.0	
	cotal), ug/l	<10	<10	
-	- Toluene-d8	86 %	86 %	
_	- 4-Bromofluorobenzene	80 %	80 %	
_	- Dibromofluoromethane	88 %	84 %	
Dilution F			1.0	
Analysis D	Date		10.14.99	
Batch ID		201013	201013	

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

	REPORT OF I	RESULTS		Page 5
TOC NO	CAMDLE DECORTOMION OF DEPORT H	OD T TOTTE GRANTEG	DATE/	_
LOG NO	SAMPLE DESCRIPTION , QC REPORT FO	OR LIQUID SAMPLES	TIME SAMPLE)
16751-8	Method Blank			-
16751-9	Lab Control Standard % Recovery			
	LCS Accuracy Control Limit (%R)			
PARAMETER		16751-8	16751-9	
Volatiles by	y GC/MS (8260)			
Chlorometh	ane, ug/l	<10		
Bromometha	ne (Methyl bromide), ug/l	<10		
Vinyl chlo	ride, ug/l	<10		
Chloroetha	• •	<10		
	chloride (Dichloromethane), ug/l	<5.0	w	
Acetone, u	- -	<50		
	ulfide, ug/l	<5.0		
	roethene, ug/l	<5.0	98 %	46-147 %
1,1-Dichlo	roethane, ug/l	<5.0		
Cis/Trans-:	1,2-Dichloroethene, ug/l	<5.0		
Chloroform	, ug/l	<5.0		
1,2-Dichlor	roethane, ug/l	<5.0		
2-Butanone	(MEK), ug/l	<25		
1,1,1-Trick	nloroethane, ug/l	<5.0		
Carbon Tet	rachloride, ug/l	<5.0		
Bromodichlo	oromethane, ug/l	<5.0		
1,1,2,2-Tet	trachloroethane, ug/l	<5.0		
1,2-Dichlor	ropropane, ug/l	<5.0		
trans-1,3-	Dichloropropene, ug/l	<5.0		
Trichloroet	thene, ug/l	<5.0	88 %	56-143 %

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPO	ORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLE	ED.
16751-8 Method Blank 16751-9 Lab Control Standard % Reconfiction LCS Accuracy Control Limit	(%R)		
PARAMETER		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		
$4 ext{-Methyl-}2 ext{-pentanone}$ (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	

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 122091020

REPORT OF RESULTS

Page 7

LOG NO	SAMPLE DESCRIPTION , QC RE	EPORT FOR LIQUII	O SAMPLES	DATE/ TIME SAMPLE	. ·
16751-11 16751-12 16751-13 16751-15	MS/MSD % Recovery (GW-10) MS Accuracy Advisory Limit Precision (%RPD) MS/MSD MS Precision Advisory Limi				
PARAMETER		16751-11	16751-12	16751-13	16751-15
	y GC/MS (8260)				
1,1-Dichlo	roethene, %	106/106 %	46-147 %	0 %	0-30 %
Trichloroe	thene, %	96/94 %	56-143 %	2 %	0-35 %
Benzene,	%	102/100 %	62-135 %	2 %	0-37 %
Toluene,	જ	100/100 %	68-131 %	0 %·	0-33 %
Chlorobenz	ene, %	104/104 %	72-127 %	0 %	
Dilution F	actor	1.0			
Analysis D	ate	10.13.99			
Batch ID		201013			

Methods: EPA SW-846, Update III.

Exizapeth F. Beaughamp Pr

Project Manager

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.	5102 LaRoche Av	5102 LaRoche Avenue, Savannah, GA 31404 C 2846 Industrial Plaza Drive, Tallahassee, FL 32301 C 900 Lakeside Drive, Mobile, AL 36693	Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (334) 666-6633	Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (334) 666-6696
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD		G 6712 Benjamin Road, Suite 100, Tampa, FL 33634 C 100 Alpha Drive, Suite 110, Destrehan, LA 70047	Phone: (504) 764-1100	Fax: (504) 725-1163
-	-			
Sanah 19 Cump ton 14 9 953-3825	TYPE	REQUIRED ANALYSES	ALYSES	PAGE / OF
(State) Chris Heming and FAX 770 934 9476				
CLIENT PROJECT MANAGER (ASSOCIATES (ASSOCIATES	28 10005			STANDARD REPORT DELIVERY
S(OITY, STATE, ZIP) Them blac - Tollier Rd Attents, 6th				EXPEDITED REPORT DELIVERY(Surcharge)
St. St.		and the following the second of the second o	/ / Da	Date Due:
DATE TIME NO. SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED	TED	REMARKS
10-7-19 1400 (AW-9	3		7	take MS/MSD
X 8-25 S241	N		From	0)- M
x 11-0-5 05hi	3			
1650 GW-7	3		Cal	11 w/a vesting
	29			
X 1-12 sque	8			
	_			
URE) DATE TIME		DATE TIME RELINQUISHED BY: (SIGNATURE)	Y: (SIGNATURE)	DATE TIME
RECEIVED BY: (SIGNATURE) DATE TIME RECEIVED BY: (SIGNATURE)		E TIME RECEIVED BY: (SIGNATURE)	GNATURE)	DATE TIME
	LABORATORY USE ONLY	-		
RECEIVED FOR LABORATORY BY: (SIGNATURE) DATE TIME CUSTODY: INT.	CUSTODY INTACT	SLLOG NO. LABORATORY REMARKS:	REMARKS:	
(buc y mostly 10 or 19 047 TYES INO		59/675		



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 14109115

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID	OR SEMISOLID	SAMPLES	DATE/ TIME SAMPLE	D C		
	SL-44-3 VSL-7-3 VSL-6-3		10-01-99/13:00 10-01-99/14:50 10-01-99/15:00				
PARAMETER				16564B-2	16564B-3		
Lead (6010) Lead, mg/kg Dilution Fa Prep Date Analysis Da Batch ID	actor		180 1.0 10.05.99 10.07.99 1005A	10.07.99			
Percent Sol	ids		85	85	88		

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 14109115

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION	, QC REPOR	r FOR SOLII)/SEMISOLID		
16564B-4 16564B-5 16564B-6 16564B-7 16564B-8	Method Blank Soil Lab Control Standa LCS Control Limits MS/MSD % Recovery MS Accuracy Adviso	1	-			
PARAMETER		16564B-4	16564B-5	16564B-6	16564B-7	16564B-8
Lead (6010) Lead, mg/l Dilution l Prep Date Analysis I Batch ID	kg dw Factor	<0.50 1.0 10.05.99 10.07.99 1005A	10.05.99	75-125 % 		75-125 %

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 3

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. Beaughamp

Project Manager



Percent Solids

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

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

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

Project: 953-3825.003/BRAMPTON ROAD

78

72

Sampled By: Client

Code: 162291115 Page 1

REPORT OF RESULTS

DATE/ SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES 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 27 17 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



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 162291115

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION	ON , QC REPOR	r for solid	/SEMISOLID	DATE/ TIME SAMPLE	D
16679B-3 16679B-4 16679B-5 16679B-6 16679B-7	Method Blank Soi Lab Control Stand LCS Control Limit MS/MSD % Recovery MS Accuracy Advis	dard (LCS) % I ts Y	-			
PARAMETER		16679B-3	16679B-4	16679B-5	16679B-6	16679B-7
Lead (6010) Lead, mg/kg Dilution Fa Prep Date Analysis Da Batch ID	actor	<0.50 1.0 11.03.99 11.04.99 1103A	98 % 1.0 11.03.99 11.04.99 1103A	75-125 % 	98/97 % 1.0 11.03.99 11.04.99 1103A	75-125 %



LOG NO: S9-16679B Received: 29 OCT 99

Reported: 15 NOV 99

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 162291115

REPORT OF RESULTS

Page 3

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID 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

PAGE 3 | OF 4 EXPEDITED REPORT Date Due: ASH P Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 Fax: (912) 352-0165 Fax: (904) 878-9504 STANDARD
STANDARD
STANDARD
STANDARD
STANDARD
STANDARD CLIMARTION 15 REMARKS as explained Step-Wise DATE Araly 24 DATE needed (a// it Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (334) 666-6633 Phone: (504) 764-1100 Phone: (813) 885-7427 RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED ☐ 900 Lakeside Drive, Mobile, AL 36693 ☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 ☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 La 5102 LaRocho Avonuc, Savarınah, GA 31404 2846 Industrial Plaza Drive, Tallahassee, FL 32301 20.6/90/11/200 TIME TIME DATE MATRIX TYPE RELINQUISHED BY; (SIGNATURE) VIOSIWES SEWISOFI VIOSIO OB SEWIELE VIOSIO OB SEWIELE RECEIVED BY: (SIGNATURE) - frank PHONE 770- 496-1893 16 7686-026 3084// ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD P.O. NUMBER Atlanta, GA CLIENT PROJECT MANAGER SAVANNAHLABORATORIES SAMPLE IDENTIFICATION & ENVIRONMENTAL SERVICES, INC. FAX TIME TIME 953-3825 C. Fau PROJECT NO. DATE DATE 151-3-3 1/52-3-3 3730 Chambler Tacker Road 125-2-3 8-5-751 Sail Dup -15/ 5-55-75 h-88~75 2-h-151 152-4-3 7-18-75 1/25-4-.-751 Brampton Rd. Jon Swart Associates SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIP) RELINQUISHED BY: (SIGNATURE) 고 양 양 RECEIVED BY: (SIGNATURE) PROJECT REFERENCE Shib 50:8 8:15 9:30 9:55 55:01 50:11 8:20 17:05 50:6 Shib 55:8 TIME PROJECT LOC. (State) SAMPLE 10/EC **CLIENT NAME** STYGUNAY 10/05 90/01 DATE 20/01 10/06 90/01 20/01 8/0/X 10/06 90/01 90/01 10/0/

100 - LAC

TIME

TIME

LABORATORY REMARKS:

SL LOG NO.

LABORATORY USE ONLY

TIME () CUSTODY INTACT | CUSTODY SEAL NO.

RECEIVED FOR LABORATORY BY: (SIGNATURE) | DAT

ZYES NO

<u>ر</u>

ر ز

+

S Numb



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 113191029

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPT	ION , SOLID OF	SEMISOLID	SAMPLES	DATE/ TIME SAMPLE	ED .		
16679A-1 16679A-2 16679A-10 16679A-11 16679A-16	SL-41-2 SL-43-2	,	10-05-99/11:25 10-05-99/11:50 10-05-99/12:00 10-05-99/12:25 10-05-99/16:00					
PARAMETER						16679A-16		
Lead (6010) Lead, mg/kg Dilution Fa Prep Date Analysis Da Batch ID	g dw actor	460 1.0 10.19.99	13 1.0 10.19.99 10.25.99	30 1.0 10.19.99 10.25.99	29 1.0 10.19.99 10.25.99	10.19.99 10.25.99		
Percent Sol:	lds	80	84	84	82	87		



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 113191029

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR S	SEMISOLID SAMPLES	DATE/ TIME SAMPLE	ED .			
16679A-17 16679A-18 16679A-19	VSL-4-2 VSL-5-2 SOIL-DUP-4		10-06-99/08:55 10-06-99/09:45 10-06-99				
PARAMETER			16679A-18	16679A-19			
Lead (6010) Lead, mg/kg Dilution Fa	g dw	88	29 1.0	30 1.0			
Prep Date Analysis Da Batch ID	ate	10.19.99 10.25.99 1019A					
Percent Sol:	lds	72	89	92			



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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 113191029

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION	, QC REPOR	FOR SOLID	/SEMISOLID	DATE/ TIME SAMPLE	id
16679A-6 16679A-7 16679A-8 16679A-12 16679A-13	Method Blank Soil Lab Control Standa LCS Control Limits MS/MSD % Recovery MS Accuracy Adviso		_			
PARAMETER		16679A-6	16679A-7	16679A-8	16679A-12	16679A-13
Lead (6010) Lead, mg/kg Dilution Fa Prep Date Analysis Da Batch ID	actor	<0.50 1.0 10.19.99 10.25.99 1019A		75-125 % 	90/91 % 1.0 10.19.99 10.27.99 1019A	75-125 %

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

<20 %

1.1 %

Sampled By: Client

Code: 113191029

REPORT OF RESULTS

Page 4

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID TIME SAMPLED

16679A-14 Precision (%RPD) MS/MSD
16679A-15 MS Precision Advisory Limit (%RPD)

PARAMETER 16679A-14 16679A-15

Lead (6010)

Methods: EPA SW-846

Lead, %

Elizabeth F. Beauchamp, Project Manager

SAVANNAHLABORATORIES & ENVIRONMENTAL SERVICES, INC.

Se '--- mber---

OF. tashica EXPEDITED REPORT DELIVERY(surcharge) Fax: (813) 885-7049 Fax: (504) 725-1163 TIME Fax: (904) 878-9504 Fax: (334) 666-6696 TIME -ax: (912) 352-0165 STANDARD KEPORT DELIVERY PAGE (Date Due: ASAD REMARKS Parkanation DATE DATE 3 4119 10th こをもらっつ [0] Phone: (334) 666-6633 Phone: (504) 764-1100 Phone: (912) 354-7858 Phone: (813) 885-7427 Phone: (904) 878-3994 RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED C 300 Lakeside Drive, Mobile, AL 36693 C 6712 Benjamin Road; Suite 100, Tampa, FL 33634 C 100 Alpha Drive, Suite 110, Destrehan, LA 70047 (A) 5102 LaRoche Avenue, Savannah, GA 31404 (C) 2846 Industrial Plaza Drive, Tallahassee, FL 32301 00:41/00/01 TIME TIME DATE DATE (Peg) MATRIX TYPE BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) PHONE 770-496-1893 202 ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD RELINGUISHED P.O. NUMBER 3034 FAX 770-934 groth CLIENT PROJECT MANAGER SAMPLEIDENTIFICATION 953-3825 TIME TIME PROJECT NO. DATE 3 Soil Dup C-th-75 51-43-2 2-9h-75 2-18-75 39t-1/1-75 -58-75 -75- NJ--0h -75 -/h -75 Rad JON Swart Brampton Rd. SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIP) ~75 4550ciates 3730 Chambles Tucker RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) 요양 PROJECT REFERENCE 12:25 11:25 19:00 51:01 10:30 51:01 51,0 90. 05:11 14:30 14:35 TIME 90 SAMPLE PROJECT LOC. (State) JANANA A CLIENT NAME (valita) 79 257 10/32 10/0 DATE 50/01 50/01 ر د د

Od

LABORATORY REMARKS:

CUSTODY INTACT | CUSTODY SEALNO | SL LOG NO.

TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)

LABORATORY USE ONLY

EXPEDITED REPORT | DELIVERY(surcharge) PAGE 4 | OF (/ Fash, ch Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 TIME TIME STANDARD
REPORT
DELIVERY Servin mber --- the community of the servin mber of Date Due: _45.11.P_ REMARKS Run land Tion DATE DATE 5740-W15e N SU OU 1/4/ Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100 Phone: (912) 354-7858 Phone: (904) 878-3994 RELINQUISHED BY: (SIGNATURE) LABORATORY REMARKS: RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED 1. 2846 Industrial Plaza Drive, Talianassev, Loudon 1. 300 Lakeside Drive, Mobile, AL 36693. 1. 6712 Benjamin Road, Suite 100, Tampa, FL 33634. 1. 100 Alpha Drive, Suite 110, Destrehan, LA 70047 2846 Industrial Plaza Drive, Tallahassee, FL 32301 5102 LaRoche Avenue, Savannah, GA 31404 \$ TIME SLLOGNO. 190899 DATE DATE LABORATORY USE ONLY CUSTODY INTACT | CUSTODY/SEAL NO. (0/09) Pool MATRIX TYPE RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) 934- 9476 PHONE 770- 496-1893 erate Last √es □no > ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD 3034 P.O. NUMBER . E. FAX 770 -CLIENT PROJECT MANAGER Atlanta CA SAVANNAHLABORATORIES SAMPLE IDENTIFICATION 953-3825 & ENVIRONMENTAL SERVICES, INC. TIME TIME Face PROJECT NO. DATE DATE Dup -5 15-11511-3M 7-43-3 42-3 ケー(ひ~ 40° U RECEIVED FOR LABORATORY BY: (SIGNATURE) S-14-75 5-0h-75 3 24 - 75 O Swart Brampton Road 8780 Chambles Tucker 4550c)aths , -15 -15 /: **s**S SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIP) 75 75 RELINQUISHED BY: (SIGNATURE) +0 +0 +0 RECEIVED BY: (SIGNATURE) 정오 PROJECT REFERENCE 12:25 100:C) 54:21 12:55 11:30 10/06 113:35 57:1 (C) () TIME SAMPLE PROJECT LOC. (State) Savaningh **CLIENT NAME** 180/0°C) 10/06 90/01 10/01 10/06 2000 90/01 10/06 90/0/ DATE 10/06

77177

nmbe

Š

PAGE (2) OF 1 EXPEDITED REPORT DELIVERY(surcharge) 105613 Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 TIME TIME STANDARD

STANDARD

STANDARD

STANDARD Date Due: 1542 REMARKS Punlanation 光の DATE DATE as PLE 4na 1222 てきらん (4// Ste Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100 RELINQUISHED BY: (SIGNATURE) LABORATORY REMARKS: RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED 24 5102 LaRoche Avenue, Savannah, GA 31404 (2.2 2846 Industrial Plaza Drive, Tallahassee, FL 32301 (2.900 Lakeside Drive, Mobile, AL 36693 (2.6712 Benjamin Road, Suite 100, Tampa, FL 33634 (2.100 Alpha Drive; Suite 110, Destrehan, LA 70047 00:/1/bb/30/01 TIME TIME SL LOG NO. DATE LABORATORY USE ONLY (0/09) CUSTODY INTACT | CUSTODY SEALNO MATRIX (SIGNATURE) RECEIVED BY: (SIGNATURE PHONE 770-496-1893 TYES NO FAX 770- 934-947 \geq ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD REL'INQUISHED BY: 3034 P.O. NUMBER CLIENT PROJECT MANAGER SAVANNAHLABORATORIES SAMPLE IDENTIFICATION ■ & ENVIRONMENTAL SERVICES, INC. 3825 TIME TIME PROJECT NO. 953-DATE RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE DATE Dup-3 MS-MSD-2 37-3 2-18-75 5-95-75 2-98-75 6-28-75 38-1 E-SE-75 1-28-75 -85 ~75 381 -25-75 Bamplen Road SAMPLER(S) NAME Swart S ~75 CLIENT ADDRESS (CITY, STATE, ZIP) Tuctor Associates RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) 요양 F. PROJECT REFERENCE 3750 Marible sh:SI 16:25 16:30 15:20 00:11 15:10 0h:h/ 05:h1 15:35 01:91 TIME Savanny A / PROJECT LOC. (State) SAMPLE **CLIENT NAME** CARPI 50/01 10/07 DATE 50/01 10/01 10/05 (0/0) 50/21 10/02 (ه/ه) 70/01 50/2

SAVANNAHLABORATORIES & ENVIRONMENTAL SERVICES, INC. ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

2846 Industrial Plaza Drive, Tallahassee, FL 32301 2846 Industrial Plaza Drive, Tallahassee, FL 32301 300 Lakeside Drive, Mobile, AL 36693 C. 2012 Benjamin Road, Suite 100, Tampa, FL 33634 C. 100 Alpha Drive, Suite 110, Destrehan, LA 70047

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

₹ #4

Jumbe

Ċ,

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

Phone: (504) 764-1100

OF` EXPEDITED REPORT | DELIVERY (surcharge) 10 x + 10 ∃ĭ₩Œ TIME STANDARD
REPORT
DELIVERY PAGE 3 Date Due: ASAP REMARKS as explained Py planation DATE DATE Step- Wise needed And 1yzx 110 (etter RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED 20.6/9/1 14.00 TIME TIME DATE روهره MATRIX TYPE RELINQUISHED BY; (SIGNATURE) ~ RECEIVED BY: (SIGNATURE). thank PHONE 770- 496-1893 Attanta GA 303411 P.O. NUMBER FAX 770-CLIENT PROJECT MANAGER SAMPLE IDENTIFICATION 953-3825 TIME TIME 1.00 / PROJECT NO. DATE DATE 151-3-3 186-3-3 75-5-75/ 3730 Chamble Ficker Road Soil Dup-8-5-751 -39-3 -S-751 2-h-151 VS2-4-3 1-4-15/1 27-38-151-3 39-0. Brampton Rd. Swart Associates SAMPLER(s) NAME 175 3 CLIENT ADDRESS (CITY, STATE, ZIP RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) 요중 da PROJECT REFERENCE Shib 55:01 8:50 9:55 17:05 50:8 8:15 9:30 9:05 50:11 Sh: 8 55:8 TIME SAMPLE PROJECT LOC. (State) **CLIENT NAME** 1.105 DATE 90/01 20/2 10/06 80/X 90/01 90/01

LABORATORY REMARKS

CUSTODY SEALNO SLLOGNO.

CUSTODY INTACT

DATE,

RECEIVED FOR LABORATORY BY: (SIGNATURE)

LABORATORY USE ONLY

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 155691022

LOG NO	SAMPLE DESCRIPTION ,		SEMISOLID		DATE/ TIME SAMPLE	iD.
· · · · · · · · · · · ·	SL-45-2 SL-44-2 VSL-7-2 VSL-6-2	 			10-01-99/13 10-01-99/12 10-01-99/14 10-01-99/14	::50 ::20
PARAMETER				16564A-2	16564A-10	16564A-11
Lead (6010) Lead, mg/kg Dilution Fa Prep Date Analysis Da Batch ID	g dw actor	 	18 1.0 10.05.99 10.07.99 1005A	420 1.0 10.05.99 10.07.99 1005A	10.05.99	2000 1.0 10.05.99 10.07.99 1005A
Percent Soli	ds		82	79	86	83

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 155691022

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION	N , QC REPOR	r for solid	/SEMISOLID	DATE/ TIME SAMPLE	:D
16564A-6	Method Blank Soil					
16564A-7 16564A-8	Lab Control Standa LCS Control Limits		Recovery			
16564A-12	MS/MSD % Recovery	•				
16564A-13	MS Accuracy Adviso	ory Limit (%)	₹)			
PARAMETER		16564A-6	16564A-7	16564A-8	16564A-12	16564A-13
Lead (6010)						
Lead, mg/k	g dw	<0.50	99 %	75-125 %	89/90 %	75-125 %
Dilution F	actor	1.0	1.0		1.0	
Prep Date		10.05.99	10.05.99		10.05.99	
Analysis D	ate	10.07.99	10.07.99		10.07.99	
Batch ID		1005A	1005A		1005A	

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

<20 %

1.1 %

Sampled By: Client

Code: 155691022

REPORT OF RESULTS

Page 3

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID TIME SAMPLED

16564A-14 Precision (%RPD) MS/MSD

16564A-15 MS Precision Advisory Limit (%RPD)

PARAMETER 16564A-14 16564A-15

Lead (6010)

Methods: EPA SW-846

Lead, %

Elizabeth F. Beauchamp/ Project Manager

SAMPLE

DATE Ġ

PROJECT LOC. (State)

CLIENT NAME

					٤,	doc.	ΛH	(JIV)	101	1V 1	HAV	MA	VA:	3	,	,		,	,				·		·····
Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (954) 421-2584	Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163	PAGE		STANDARD REPORT	EXPEDITED REPORT	3 (RKS		3		1 e-3									TIME	_	E E			
Fax: (912) Fax: (904) Fax: (954)	Fax: (334) Fax: (813) Fax: (504)			W 12 1	EXPEC	Date Due	HEMARKS			100		3	1							DATE	1	DATE			
Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (954) 421-7400	Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100	AI YSES								7 _ 0										Y: (SIGNATURE)	i i	GNATURE)	Ť.	REMARKS:	-
5102 Lakoche 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	REQUIRED ANALYSES					CONTAINERS SUBMITTED													RELINQUISHED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		LABORATORY REMARKS	
Savannah Orive, Tallah Deerfield Be	900 Lakeside Drive, Mobile, AL 36693. 6712 Benjamin Road, Suite 100, Tamp 100 Alpha Drive, Suite 110, Destrehan,						OF CON A													TIME		Ξ Σ Ξ		GNO.	F1955
oche Avenue strial Plaza [2th Avenue,	ide Drive, M amin Road, Drive, Suite						UMBEH													DATE	10-1-99	DATE	NI.Y	O. SLLOGNO	34-166
		MATRIX	(5621 - 96h	BNOS HOLDING	ON SEWISOF	NO.	_	 × ×	· y	-											TOURIST TO THE	RECEIVED BY: (SIGNALURE)	LABORATORY USE ONLY	CUSTODY INTACT CUSTODY SEAL NO.	ON
& ENVIRONMENTAL SERVICES, INC.	ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORE	PROJECT NO. P.O. NUMBER	PHONE 700 -	CLIENT PROJECT MANAGER	TILLY WILLIAM	i i	SAMPLE IDEN HEICATION	٠,٠	100							c.				DATE RELINOUISHED BY	TIME	וואונו		DATE	19/ PF 400 DYES INO
SHVANIVALI LA ENVIRONMENTAL S	EQUEST AND CH	P. C. L. K.	APLER(s) NAME	ENTNAME	· .				3 - 7 / 1								-			(SIGNATURE)	ATIBE	(300)		RECEIVED FOR LABORATORY BY: (SIGNATURE)	
	ANALYSIS F	PROJECT REFERENCE	PROJECT LOC. SAN (State)	CLIENT NAME	CLIENT ADDRESS (CITY, STATE, ZIP)	SAMPLE	AIE		1 2											RELINQUISHED BY: (SIGNATURE)	RECEIVED BY (SIGNATURE)			RECEIVED FOR LAB	A Commence of the second

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

Beboxced: US OCT 99
POG NO: S9-16564

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 132491012

₹8	88	68	88	87	ids	Percent Sol:
84 0.1 66.40.01 69.30.01 84001			018 0.1 66.40.01 69.30.01 84001	8#00T 66'90'0T 0'T 0ST	τοτοχ	Lead (6010) Lead, mg/kg Dilution Fa Prep Date Analysis Da Batch ID
S-#9S9T	₱-₱9 S 9T	ε- † 9 9 9Τ	Z-₱9 <u>S</u> 9T	T- 1 959T		РАКАМЕТЕК
04:	TT/66-T0-0T TT/66-T0-0T 66-T0-0T ZT/66-T0-0T				2F-41 2F-48 DABE-T 2F-44-1 2F-42-T	S-#9S9T #-#9S9T E-#9S9T Z-#9S9T T-#9S9T
Dage 1	TIWE SAMPLE	SAMPLES	S SEMISOFID		SAMPLE DESCRIPTION	rog no



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

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLI	D SAMPLES	DATE/ TIME SAMPLE	D	
16564-9 16564-10 16564-11	SL-46 VSL-7-1 VSL-6-1		10-01-99/11 10-01-99/14 10-01-99/14	:10	_
PARAMETER			16564-10	16564-11	
Lead (6010) Lead, mg/kg Dilution Fa Prep Date Analysis Da Batch ID	g dw actor	490 1.0 10.04.99 10.06.99 1004B	180 1.0 10.04.99 10.06.99 1004B	680 1.0 10.04.99 10.06.99 1004B	
Percent Sol:	.ds	87	88	84	

LOG NO: S9-16564 Received: 01 OCT 99 Reported: 12 OCT 99

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 132491012

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION	, QC REPOR	r FOR SOLID	/SEMISOLID	DATE/ TIME SAMPLE	D
16564-6 16564-7 16564-8 16564-12	Method Blank Soil Lab Control Standa LCS Control Limits MS/MSD % Recovery MS Accuracy Adviso	5	-			
PARAMETER		16564-6	16564-7	16564-8	16564-12	16564-13
Lead (6010) Lead, mg/k Dilution F Prep Date Analysis D Batch ID	actor	<0.50 1.0 10.04.99 10.05.99 1004B	1.0 10.04.99	75-125 % 	89/90 % 1.0 10.05.99 10.07.99 1005A	75-125 %

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

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

7

Sel. mber

and the same

PAGE 3 OF Y | EXPEDITED REPORT | DELIVERY (surcharge) Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 farther Fax: (912) 352-0165 Fax: (904) 878-9504 STANDARD
REPORT
DELIVERY TIME TIME 46534 Date Due: ASA P REMARKS Puplanation DATE Step- Wise needed Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (334) 666-6633 Phone: (504) 764-1100 Phone: (813) 885-7427 RELINQUISHED BY: (SIGNATURE) LABORATORY REMARKS: REQUIRED ANALYSES RECEIVED BY: (SIGNATURE) NUMBER OF CONTAINERS SUBMITTED The state of the s 2846 Industrial Plaza Drive, Tallahassee, FL 32301 HAMANATA 2102 LaRoche Avenue, Savannah, GA 31404 14:00 TIME TIME 10/06/99 *LABORATGRY USE ONLY DATE (0,09 MATRIX RELINQUISHED BY: (SIGNATURE) TOSINIS BOOK ON THE STREET OF CUSTODY INTACT | CUS RECEIVED BY: (SIGNATURE) PHONE 770- 496-1893 3034// ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD P.O. NUMBER FAX 770-Atlanta GA CLIENT PROJECT MANAGER **SAVANNAH LABORATORIES** SAMPLE IDENTIFICATION & ENVIRONMENTAL SERVICES, INC. TIME TIME 1 au PROJECT NO. DATE DATE RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE 3730 Chamble Tucker Road 151-3-2 1/52-3-3 185-5-2 Soil Dup -8-5-751 57-39-3 15- S-2-h -151 152-4-3 4-88-75 1-251 27-38-のには SCIENCE SCIENC Brampton Rd. Swart Associates SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIF RELINQUISHED BY: (SIGNATURE) 요중 - Jan RECEIVED BY: (SIGNATURE) PROJECT REFERENCE 50:11 4:05 Shib 8:15 8:20 9:30 9:55 55:01 20/01 TIME 4:45 55:3 5026 50:11 SAMPLE PROJECT LOC. (State) **CLIENT NAME** JORE Sarannah 15/27 1 90/01 DATE 90/01 900 10/06 90/0/ 90/Q

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

			T RESOLIS		DATE/		
LOG NO	SAMPLE DESCRI	PTION , SC	LID OR SEMI	ISOLID SAMPL	ES 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	G (8260)					·	
Chloromethane, ug	g/kg dw	<13	<12	<12	<14	<1500	
Bromomethane, ug/	'kg dw	<13	<12	<12	<14	<1500	
Vinyl chloride, u	ıg/kg dw	<13	<12	<12	<14	<1500	
Chloroethane, ug/	/kg dw	<13	<12	<12	<14	<1500	
Methylene chlorid	le	<6.3	<6.2	<6.0	<6.9	<760	
(Dichloromethane	e), ug/kg dw			•			
Acetone, ug/kg dv	▼	<63	<62	<60	<69	<7600	
Carbon disulfide,	ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
1,1-Dichloroether	ne, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
1,1-Dichloroethar	ne, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
Cis/Trans-1,2-Dic e, ug/kg dw	chloroethen	<6.3	<6.2	<6.0	<6.9	<760	
Chloroform, ug/kg	g dw	<6.3	<6.2	<6.0	<6.9	<760	
1,2-Dichloroethar		<6.3	<6.2	<6.0	<6.9	<760	
2-Butanone (MEK),		<32	<31	<30	<35	<3800	~
1,1,1-Trichloroet	hane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
Carbon tetrachlor	ride, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
Bromodichlorometh	nane, 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	•	Page 2 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			1	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-Tetra ug/kg dw	chloroethane,	<6.3	<6.2	<6.0	<6.9	<760	
1,2-Dichlorop	ropane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
trans-1,3-Dic ug/kg dw	hloropropene,	<6.3	<6.2	<6.0	<6.9	<760	
Trichloroethe	ne, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
	methane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
1,1,2-Trichlo	roethane, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
Benzene, ug/kg		<6.3	<6.2	<6.0	<6.9	<760	
cis-1,3-Dichlo	oropropene, 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	g/kg dw	<32	<31	<30	<35	<3800	
4-Methyl-2-per (MIBK), ug/kg	g dw	<32	<31	<30	<35	<3800	
Tetrachloroeth	hene, ug/kg dw	<6.3	<6.2	<6.0	<6.9	<760	
Toluene, ug/kg	-	<6.3	<6.2	<6.0	<6.9	1000	
Chlorobenzene		<6.3	<6.2	<6.0	<6.9	2400	~
Ethylbenzene,		<6.3	<6.2	<6.0	<6.9	14000	
Styrene, ug/kg	g dw	<6.3	<6.2	<6.0	<6.9	3800	

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

					DATE	/	
LOG NO	SAMPLE DESC	RIPTION , SO	OLID OR SEM	ISOLID SAMPI	LES TIME	SAMPLED	
70791-1	GW-1-1				02-1	1-97/1545	
70791-2	GW-1-2				02-1	1-97/1615	
70791-3	GW-1-3		•		02-1	1-97/1630	
70791-4	GW-1-4				02-1	1-97/1645	
70791-5	GW-3-1				02-1	1-97/1120	
PARAMETER				70791-3	70791-4	70791-5	
Xylenes, ug/kg d				<6.0	<6.9	18000	
Surrogate - Tolu	ene-d8	108 %	98 %	97 %	110 %	130 %	
Surrogate - 4-Br	omofluorobenz	ene 108 %	100 %	: 1	109 %	130 %	
Surrogate - Dibro	omofluorometh	ane 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		210214	110217	110217	210214	210217	
Percent Solids (1	60.3), %	79	80	83	72	81	

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESCRI	PTION , SC	LID OR SEM	ISOLID SAMPLES	DATE/ TIME SAMPLED
70791-6	GW-3-2				02-11-97/1155
70791-7	GW-3-3				02-11-97/1210
70791-11	, ,				02-11-97/1545
PARAMETER			70791-7	70791-11	
Volatiles by GC/MS	(8260)				
Chloromethane, ug/	kg dw	<1500	<12	<13	
Bromomethane, ug/k	g dw	<1500	<12	<13	
Vinyl chloride, ug	/kg dw	<1500	<12	<13	·
Chloroethane, ug/k	g dw	<1500	<12	<13	
Methylene chloride		<760	<6.0	<6.3	
(Dichloromethane)	, ug/kg dw				
Acetone, ug/kg dw			<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-Dich e, ug/kg dw	loroethen	<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-Trichloroeth	ane, ug/kg dw	<760	<6.0	<6.3	
Carbon tetrachlori	de, ug/kg dw	<760	<6.0	<6.3	
Bromodichlorometha	ne, ug/kg dw	<760	<6.0	<6.3	•
1,1,2,2-Tetrachlor ug/kg dw	oethane,	<760	<6.0	<6.3	

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 140870218

REPORT OF RESULTS

LOG NO SAMPLE	DESCRIPTION , S	OLID OR SEM	ISOLID 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/l	rg dw <760	<6.0	<6.3	
trans-1,3-Dichloropropene ug/kg dw	<760	<6.0	<6.3	
Trichloroethene, ug/kg dv	v <760	<6.0	<6.3	
Dibromochloromethane, ug,	kg dw <760/	<6.0	<6.3	
1,1,2-Trichloroethane, ug	g/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-Bromofluoro	benzene 118 %	98 %	106 %	
Surrogate - Dibromofluoro	methane 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	210217	110217	2I0214	

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 140870218

REPORT OF RESULTS

LOG NO	SAMPLE DESC	RIPTION , SO	LID OR SEMI	SOLID SAMPLES	DATE/ TIME SAMPLED	
70791-6 70791-7 70791-11	GW-3-2 GW-3-3 GW-1-1 (DUP)			02-11-97/1155 02-11-97/1210 02-11-97/1545	
PARAMETER		70791-6	70791-7	70791-11		
Percent Solids (1	.60.3), %	81	83	79		

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 140870218

REPORT OF RESULTS

LOG NO SAMPLE DESCR	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID							
70791-12 Method Blank 70791-9 Lab Control 70791-13 Lab Control	Method Blank Soil Method Blank Soil (Med Level) Lab Control Standard (LCS) % Recovery Lab Control Standard (LCS) % Recovery 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 용	50-177 왕			
1,1-Dichloroethane, ug/kg dw	<5.0	<620						
Cis/Trans-1,2-Dichloroethen e, 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 d	w <5.0	<620						
Carbon tetrachloride, ug/kg dw		<620						
Bromodichloromethane, ug/kg dw	<5.0	<620		-				

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

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 140870218

REPORT OF RESULTS

LOG NO SAMPLE DESCRIP	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID							
70791-8 Method Blank S	oil							
70791-12 Method Blank S	Method Blank Soil (Med Level)							
70791-9 Lab Control St	Lab Control Standard (LCS) % Recovery							
70791-13 Lab Control St	andard (1	LCS) % Reco	very					
70791-10 LCS Control Li	mits							
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 왕	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 d	w <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						

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 9

LOG NO	SAMPLE DESCRIPTION , QO	C REPORT FOR	R SOLID/SEMI	SOLID	
70791-8	Method Blank Soil				
70791-12	Method Blank Soil (Med	Level)			
70791-9	Lab Control Standard (I	LCS) % Reco	very		
70791-13	Lab Control Standard (I	LCS) % Reco	very		
70791-10	LCS Control Limits		_		
				·	
PARAMETER	70791-8	70791-12	70791-9	70791-13	70791-10
				·	
Xylenes, ug/kg dw					-
Surrogate - Tolue		122 %	108 %	113 %	67-143 %
Surrogate - 4-Bro	omofluorobenzene 120 %	129 %	120 %	119 %	43-153 %
	omofluoromethane 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	210214	210217	210214	2I0217	

Methods: EPA SW-846

Lisa G. McLeod, Project Manager

Final Page Of Report

11770	Fax: (912) 352-0165 Fax: (904) 878-9504	Fax. (954) 421-2584 Fax. (334) 666-6696 Fax. (813) 885-7049 Fax. (504) 725-1163		PAGE OF	_	STANDARD	/ KAREPORT DELIVERY	EXPEDITED REPORT DELIVERY(surcharge)	Date Due:	REMARKS												DATE TIME	DATE TIME				
Senal Mumber	Phone: (912) 354-7858 Phone: (904) 878-3994	Phone: (95-4) 421-7400 Phone: (33-4) 666-6633 Phone: (813) 885-7427 Phone: (50-4) 764-1100		ALYSES	/ / /		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Dat	TED											M -	3Y. (SIGNATURE)	IGNATURE)			Y REMARKS:	
	ah, GA 31404 ahassee, FL 32301	Beach, FL 33442 36693 Tampa, FL 33634 Irehan, LA 70047		HECUINED ANALYSES		\ \ \	\ \ \		SEKVAT/VE/	TAINERS SUBMIT												RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)			LABORATORY REMARKS	第一次 一次 一
	5102 LaRoche Avenue, Savannah, GA 31404 2846 Industrial Plaza Drive, Tallahassee, FL 32301	14 SW 12th Avenue, Deerlield Beach, FL 33442 1900 Lakeside Drive, Mobile, AL 36693 16712 Benjamin Road, Suite 100, Tampa, FL 33634 1700 Alpha Drive, Suite 110, Destrehan, LA 70047							/ / PR	NUMBER OF CONTAINERS SUBMITTED									1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			DATE TIME 2.30	DATE TIME			O. SLLOGNO	Control of the Contro
	5102 LaRo	— 414 SW 12 — 900 Lakesi — 6712 Benja — 100 Alpha I	MATRIX	IYPE	016 7116,	5, 100					*	X	, X	X	X V	X	×	×				NATURE)			LABORATORY USE ONLY	CUSTODY INTACT CUSTODY SEALNO	The state of the s
		RECORD	P.O. NUMBER		170-446-1893		# 25	1 38341 KAR			**	×	×	γ	٧	al.	1	٣				RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)		ij.		のでは、大きなないできない。
	NATORIE:	FCUSTODY	87.8	VIA: SAO	FAX	コラ	Ms. Chais Paul		الما المعالمة	SAMPLE IDENTIFICATION								0.)				75°27	TIME			OPTE TIME	19 1 日本の日本日本日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の
	SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.	ANALYSIS REQUEST AND CHAIN OF CUSTODY RE	PROJECT NO	-	The Control of the Co	CLIENTP	Ms.		١٥٥١	SAMPLEIDE	GW-1-1	G-W-1-2	GW-1-3	Ges-1-4	GW-3-1	GW-3-2	EW-3-3	6W-1-1 CAUP)	•			1000 PME	DATE	Maria and Commercial States and Commercial S		22	١
	SAVANI & ENVIRON	S REQUEST.	ERENCE A	SAMPLE COLORISMA		321	<i>'</i>	12	3	TIME NO.	15:45	16:15 6	16:30 C	16:45 6	11:20 6			9 34351				J. J	ATURE)	- 11		RECEIVED FOR LABORATORY BY: (SIGNATURE)	
	S	ANALYSI	ROJECT REFERENCE	D Camp'	State)	CLIENT NAME	Ca 1000	CLIENT ADDRESS	SAMPIF	DATE TI	11 18	9/	9/	16	// //	11	2)	115			•	JEL MOUISHEI	RECEIVED BY:			REGEIVED/FO	-

1 2 1 2	Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (954) 421-2584 Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163	PAGE OF		STANDARD STANDARD STANDARD STANDARD	EXPEDITED REPORT DELIVERY(surcharge)	Date Due:	REMARKS										The state of the s		DATE TIME	DATE TIME			
Serial Murriber	Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (954) 421-7400 Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100	VALYSES				/ // / / D	TTED										1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		RELINQUISHED BY: (SIGNATURE)	SIGNATURE)		LABORATORY REMARKS:	
The second secon	ZiaRoche Avenue, Savannah, GA 31404 6 Industrial Plaza Drive, Tallahassee, FL 32301 SW 12th Avenue, Deerfield Beach, FL 33442 IZKeside Drive, Mobile, AL 36693 Zeniamih Road, Suite 100, Tampa, FL 33634 Alpha Drive: Suite 110, Destrehan, LA 70047	REQUIREDANALYSES				PRÉSERVAT/VE,	NUMBER OF CONTAINERS SUBMITTED											_	мЕ. ,30	TIME RECEIVED BY: (SIGNATURE)			ON WAY
	in 5102 La Roche Avenue, Savannah, GA 31404 in 5102 La Roche Avenue, Savannah, GA 31404 in 2846 Industrial Plaza Drive, Tallahassee, FL 32301 in 4145W 12th Avenue, Deerfield Beach, FL 33442 in 500 Lakeside Drive, Mobile, AL 36693 in 6712 Benjamih Röad; Suite 100, Tampa, FL 33634 in 100 Alpha Drive; Suite 110, Destrehan, LA 70047	MATRIX				//E// // // PF	W NUMBER OF C		XIII			X							URED DATE TO	DATE	NIVABORATORYUSEONIY	ONSMOONSEALNO SILVOGINO	
	ORD		1 8681-761-021	R (0)	33341	100 8 V	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			×		Y							HED BY: (SIGNAT	RECEIVED BY: (SIGNATURE)	*** L'ABORATI		
	SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC. ANALYSIS REQUEST AND CHAIN OF CUSTODY REC	325.0	PHONE (CDH) FAX	CLIENT PROJECT MANAGER	1.6. P. Atlanta GA		SAMPLEIDENTIFICATION		2-	->	4 - 4 -		2	\$	(due)				PATE TIME RE	DATE TIME RE		TEN TO THE TO TH	
	SAVANNAH & ENVIRONMENTA REQUESTAND CH	1	SAMPLER(s) NAME		-	- 18	<u>,</u> ,,	1-3b	1-M-3	13 CW-1	1-1-1-1	70 50 50	5 6 W-3-	10 0 00 -3-	1.11 GW-1-1				S BY: (SIGNATURE)	NATURE) NITAINERS		RECEIVED FOR LABORATORY BY (SIGNATUR	
	ANALYSIS REC		PROJECT LOC. S State)	AME	CLIENT ADDRESS (CITY, STATE, ZIP)	SAMPLE	DATE TIME	21, 31 11-2	31:31	16:33	36:31	2.77	57.1	1.7.1	15:4				RELINQUISHED BY: (SIGNATURE	RECEIVED BY: (SIGNATURE)		RECEIVED FOR LA	7

Se.....Jmber 188

. |-

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

LOG NO: S9-16679 Received: 07 OCT 99 Reported: 18 OCT 99

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 124391018

REPORT OF RESULTS

LOG NO	SAMPLE	DESCRIPTION	, SOLID	OR	SEMISOLID	SAMPLES	DATE/ TIME SAMPLE	D	
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		
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	0)					,			
Lead, mg/	/kg dw		73	30	1300	100	. 28	110	٠,
Dilution	Factor	•	1.	. 0	1.0	1.0	1.0	1.0	
Prep Date	€		10.14.9	9	10.14.99	10.14.99	10.14.99	10.14.99	
Analysis	Date		10.15.9	9	10.15.99	10.15.99	10.15.99	10.15.99	
Batch ID			1014	ŧВ	1014B	1014B	1014B	1014B	
Percent Sc	olids		8	35	81	81	82	83	

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

LOG NO: S9-16679 Received: 07 OCT 99 Reported: 18 OCT 99

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 124391018

REPORT	OF	RESULTS

LOG NO	SAMPLE DESCRIPTIO	ON , SOLID OR	SEMISOLID	SAMPLES	DATE/ TIME SAMPLE	D .
16679-9 16679-10	SL-35-1 SL-36-1				10-05-99/14 10-05-99/14	
16679-11 16679-16 16679-17	SL-37-1 SL-38-1 VSL-3-1				10-05-99/15 10-05-99/16 10-06-99/08	:25
PARAMETER		16679-9	16679-10	16679-11	16679-16	
Lead (6010)						
Lead, mg/k Dilution F Prep Date Analysis D	actor	32 1.0 10.14.99 10.15.99	1.0 10.14.99	6300 5.0 10.14.99 10.15.99		25 1.0 10.14.99 10.15.99
Batch ID Percent Sol	ide	1014B	1014B 84	1014B 86	1014B 92	1014B 87
TOTOLIC BOL	145	04	04	00	92	87



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

LOG NO: S9-16679 Received: 07 OCT 99 Reported: 18 OCT 99

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 124391018

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOL	ID SAMPLES	DATE/ TIME SAMPLE	D
16679-18 16679-19 16679-20	VSL-4-1 VSL-5-1 SOIL-DUP-3		10-06-99/08 10-06-99/09 10-06-99	
PARAMETER		16679-18	16679-19	16679-20
Lead (6010)				
Lead, mg/k		18000	340	3500
Dilution F	actor	10.0	1.0	5.0
Prep Date		10.14.99	10.14.99	10.14.99
Analysis D	ate	10.15.99	10.15.99	10.15.99
Batch ID		1014B	1014B	1014B
Percent Sol	ids	84	83	86

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

LOG NO: S9-16679 Received: 07 OCT 99 Reported: 18 OCT 99

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 124391018

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTIO	N , QC REPOR	r FOR SOLID	/SEMISOLID	DATE/ TIME SAMPLE	D
16679-6 16679-7 16679-8 16679-12 16679-13	Method Blank Soil Lab Control Stand LCS Control Limit MS/MSD % Recovery MS Accuracy Advis	s (MS/MSD2)(S)	<u>-</u> Ա-37-1)			
PARAMETER		16679-6	16679-7	16679-8	16679-12	16679-13
Lead (6010) Lead, mg/k Dilution F Prep Date Analysis D Batch ID	g dw 'actor	<0.50 1.0 10.14.99 10.15.99 1014B		75-125 % 	*F61/*F61 5.0 10.14.99 10.15.99 1014B	75-125 %

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

LOG NO: S9-16679 Received: 07 OCT 99

Reported: 18 OCT 99

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 124391018

REPORT OF RESULTS

Page 5

DATE/
LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID TIME SAMPLED

16679-14 Precision (%RPD) MS/MSD

16679-15 MS Precision Advisory Limit (%RPD)

ARAMETER 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.

Elikabeth F. Beauchamp, Project Manager

Serice Tipper - Serice Community

C) d

EXPEDITED REPORT DELIVERY(surcharge) PAGE 1 OF Y Fax: (904) 878-9504 Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 TIME TIME =ax: (912) 352-0165 MREPORT Orphation is Date Due: ASAP REMARKS ds fundamed Step " wise DATE DATE Hna lise needed Phone: (813) 885-7427 Phone: (504) 764-1100 Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (334) 666-6633 RELINQUISHED BY: (SIGNATURE) LABORATORY REMARKS: RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED C 6712 Benjamin Road, Suite 100, Tampa, FL 33634 PH/SHWAN/VE 2846 industrial Plaza Drive, Tallahassee, FL 32301 20 5102 LaRoche Avenue, Savannah, GA 31404 ☐ 900 Lakeside Drive, Mobile, AL 36693 10/06/44/14:00 IME TIME DATE LABORATORY USEONLY DATE MATRIX RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATÚRE) FAX 770-934-9476 PHONE 770-496-1893 $\overline{>}$ メ \rightarrow \succ ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD P.O. NUMBER A+lanta, GA 3034 CLIENT PROJECT MANAGER SAVANNAHLABORATORIES SAMPLE IDENTIFICATION & ENVIRONMENTAL SERVICES, INC. 753-3825 TIME TIME PROJECT NO. C. Paul DATE 50:1 Dup - 2 RECEIVED FOR LABORATORY BY: (SIGNATURE) c-ch-75 52-39-2 2-9-75 51-43-J 25-42-1-0h -75 124275 2-11-75 -52-75 7/h -75 Road 00 SHIPPS OF THE STATE OF THE STAT Jon Swart Brampton Rd. -75 SAMPLER(s) NAME 4550clates CLIENT ADDRESS (CITY, STATE, ZIP) 3730 Chambler Tucker RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) 익징 PROJECT REFERENCE (02 15 12:00 09:30 10:30 14:35 Sc:11 08:41 50/01 00: 10/05 12:25 10,45 05:1 12:15 TIME Savanach PROJECT LOC. (State) SAMPLE マン **CLIENT NAME** Golder 11 50/01 10/02 10/05 DATE 10/07 50/01 50/01 20/0/ 50/0) 50/01 10/05 20/01

Σ 1

Seri heer

& ENVIRONMENTAL SERVICES, INC.	SOKATORII RVICES, INC.	S_{1}		5102 LaRo	che Avenue, S trial Plaza Driv	502 LaRoche Avenue, Savannah, GA 31404		_
ANALYSIS REQUEST AND CHAIN OF CUSTODY REC	AIN OF CUST	ODY RECOI	ORD	☐ 67.12 Benja ☐ 100 Alpha I	Or Lakeside Dirve, Mobile, AL 35693 Or 12 Benjamin Road, Suite 100, Tamp 100 Alpha Drive, Suite 110, Destrehan	C. 300 Laneside Drive, Mobile, AL 36693 C. 6712 Benjamin Road, Suite 100, Tampa, FL 33634 C. 100 Albha Drive, Suite 110, Destrehan, LA 70047	Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100	Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163
PROJECT REFERENCE PR	PROJECT NO.	P.O. NUMBER						
Savannah/Brampton Road 95	953-3825			MATRIX		ÅEQUIRED ANALYSES	ANALYSES	PAGE 4 OF 4
SAMPLER(s) NAME	PHONE	PHONE 770- 466-1	-1893	(g) / /				
CH Lon Swart	FAX	,	192.66	JUEN JOS		\ \ \	\ \ \	_
CLIEN NAME CLIEN AME CLIEN	CLIENT PROJECT MANAGER			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				STANDARD
ESS (CITY, STATE, ZIP)		-	1081 III	~//	_	\ \ \		CARDITER PLEASE
3730 chamble Tucker hoof	Atlanta C	74 3034	N	\sim				/ EXPEDITED REPORT DELIVERY(surcharge)
SAMPLE SL		1				KSHYLANE		Date Due: ASAP
	SAMPLE IDENTIFICATION		<i>[∯%]≅[§]</i>		IUMBER OF	NUMBER OF CONTAINERS SUBMITTED	AITTED	REMARKS
8-0h-75 SI:11 90/01			X					
10/06 11:30 SL-41-3			×					And line
10/06 41:45 SI-42-3			s**					CAN LINE PAIN
8-8h -15 00:01 90/01			×	1				100 100 100 DE
10/06 AS-MSD-	3		1					
10/06 Soil Dup.	-S		X					(a/1, if farther
- 75	h							4
10/06 12:35 56-42-9	<i>j</i>							1
1-1/2 Sh: 71 90/01								The state of the s
h-oh-75 SS:21 90/01	ī							
			×					
			ゝ					
	Ì		×					
URE)	DATE TIME	RELINQUISHED BY: (SIGNATURE)	BY: (SIGNAT	ure)	DATE T 1908/09 19	TIME RELINQUISHE	RELINQUISHED BY: (SIGNATURE)	DATE TIME
RECEIVED BY: (SIGNATURE)	DATE TIME	RECEIVED BY: (SIGNATURE)	SIGNATURE)		DATE		RECEIVED BY: (SIGNATURE)	DATE TIME
	_		LABORAT	LABORATORY USE ONLY	NEY			
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATY / TIME	CUST	INTACT CU	CUSTODYSEALNO	ST LOG NO		LABORATORY REMARKS:	
	16pm 142	eggien St. ja	ON.		135 Color	K. H.		

SAVANNAHLABORATORIES & ENVIRONMENTAL SERVICES, INC.

英 5102 LaRoche Avenue, Savannah, GA 31404 (C. 2846 Industrial Plaza Drive, Tallahassee, FL 32301 (C. 2846 Industrial Plaza Drive).

Phone: (912) 354-7858 Phone: (904) 878-3994

2

Seri

Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100

EXPEDITED REPORT DELIVERY(surcharge) PAGE 2 OFY Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 STANDARD
REPORT
DELIVERY Fax: (912) 352-0165 -ax: (904) 878-9504 TIME TIME PXplained Date Due: #54P REMARKS Step-wise explanation DATE DATE Analyze 1 000 P (ette Call RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED ☐ 900 Lakeside Drive, Mobile, AL 36693 ☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 ☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 60/hl 66/50/01 IME IME DATE LABORATORY USE ONLY (6/09) MATRIX TYPE RELINQUISHED BY: (SIGNATURE) OSWIS HOUSE HILWIS HOUSE HILWIS HOUSE KECEIVED BY: (SIGNATURÈ) PHONE 770-496-1893 FAX 770- 934-947 > \sim ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD 54 3034 P.O. NUMBER Talk CLIENT PROJECT MANAGER SAMPLE IDENTIFICATION 3825 TIME TIME Bau PROJECT NO. DATE 953-Soil Dup-3 MS-MSD-2 21-37-2 5-78-75 2-38-75 25 - 36-3 2-88-75 5-38-75 4-38-75 21-38-1 25-75 25-35 52-37-3730 Chambles Tucker Ray Brampton Road Swart SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIP) Associates RELINQUISHED BY: (SIGNATURE) 요정 RECEIVED BY: (SIGNATURE) 戶 PROJECT REFERENCE 16:30 16:25 15:20 Shis 55:91 05:61 90:31 15:10 16:10 oh:h/ 15:35 TIME SAMPLE Savannach **CLIENT NAME** 50/01 DATE 10/01 10/02 50/01 50/01 10/05 in D 50/01 50/01 50/0) 50/01 50/0 10/01 (State)

ò

LABORATORY REMARKS: ODYSEALNO SLLOGNO CUSTODY INTACT CUS Z RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE

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 DES	CRIPTION , LI	QUID SAMPLE	:s	DATE/ TIME	SAMPLED
70863-1 70863-2 70863-3 70863-4 70863-5	SW-1 W-4 W-5 GW-3 XY				02-12 02-12 02-13	3-97/1525 2-97/1515 2-97/1440 3-97/1530 3-97/1420
PARAMETER		70863-1	70863-2	70863-3	70863-4	70863-5

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	/1 <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 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

TED(DI	OF	RESULTS	

Page 2

LOG NO	SAMPLE DESCRIPT			ES	DATE, TIME	/ SAMPLED
70863-1	SW-1				02-13	3-97/1525
70863-2	W-4				02-12	2-97/1515
70863-3	W-5				02-12	2-97/1440
70863-4	GW-3				02-13	3-97/1530
70863-5	XY		•		02-12	2-97/1420
PARAMETER		70863-1	70863-2	70863-3	70863-4	70863-5
1,2-Dichloropro	ppane, ug/l	<5.0	<5.0	<5.0	<5.0	<5 0
trans-1,3-Dichl	loropropene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	e, ug/l	<5.0	38	<5.0	49	<5.0
Dibromochlorome	ethane, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichlore	oethane, 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-Dichlor	copropene, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform, ug/l	L	<5.0	<5.0	<5.0	<5.0	<5.0
2-Hexanone, ug/	/1	<25	<25	<25	<25	<25
4-Methyl-2-pent	canone (MIBK), ug/l	. <25	<25	<25	<25	<25
Tetrachloroethe	ene, 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, u	ıg/1	<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 - Tol	luene-d8	108 %	108 %	108 %	108 %	106 %
Surrogate - 4-E	Bromofluorobenzene	106 %	.108 웅	106 %	110 %	108 %
Surrogate - Dib	promofluoromethane	104 %	108 %	110 %	106 %	114 %
Date Analyzed	02	2.18.97	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		110218	110218	110218	110218	210218

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRI	PTION , LI	QUID SAMPLE	S	DATE/ TIME S	SAMPLED	
	Duplicate					97/1520	
	Field Blank					97/1515	
	GW-1				02-13-	97/1545	
70863-9	Trip Blank			. 			
PARAMETER			70863-7	70863-8	70863-9		
Volatiles by GC/MS		-					
Chloromethane, ug/		<10	<10	<10	<10		
Bromomethane, ug/l		<10	<10	<10	<10		
Vinyl chloride, ug	/1	<10	<10	<10	<10		
Chloroethane, ug/l		<10	<10	<10	<10		
Methylene chloride		<5.0	<5.0	<5.0	<5.0		
(Dichloromethane)	, ug/l						
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		48	<5.0	<5.0	<5.0		
Cis/Trans-1,2-Dich	loroethene, ug	g/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), ı	ug/l	<25	<25	<25	<25		
1,1,1-Trichloroetha	ane, ug/l	<5.0	<5.0	<5.0	<5.0		
Carbon tetrachlorio	de, ug/l	<5.0	<5.0	<5.0	<5.0		
Bromodichloromethar	ne, ug/l	<5.0	<5.0	<5.0	<5.0		•-
1,1,2,2-Tetrachlor	oethane, ug/l	<5.0	<5.0	<5.0	<5.0		
1,2-Dichloropropane	e, uq/l	<5.0	<5.0	<5.0	<5.0		

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

		REPORT	OF RESULTS		DATE/	Page 4
LOG NO	SAMPLE DESCRIP	TION , L	IQUID SAMPLI	ES	TIME	SAMPLED
	Duplicate					-97/1520
70863-7	Field Blank				02-13	-97/1515
70863-8	GW-1				02-13	-97/1545
70863-9	Trip Blank	,				
PARAMETER			70863-7			
trans-1,3-Di	chloropropene, ug/l					
Trichloroeth	ene, ug/l	37	<5.0	11 -	<5.0	
Dibromochlor	ene, ug/l omethane, ug/l	<5.0	<5.0	<5.0	<5.0	
1 1 2-Trichl	oroethane ug/l	< 5.0	< 5.0	<5 N	25 0	
Benzene, ug/	loropropene, ug/l	47	<5.0	<5.0	<5.0	
cis-1,3-Dich	loropropene, ug/l	<5.0	<5.0	<5.0	<5.0	
Bromoform, u	g/1	<5.0	<5.0	<5.0	<5.0	
2-Hexanone,			<25			
4-Methyl-2-p	entanone (MIBK), ug/	1 <25	<25	<25	<25	
Tetrachloroe	. 5.	140	<5.0	23	<5.0	
Toluene, ug/			<5.0			
Chlorobenzen	• 5,		<5.0			
Ethylbenzene	_		<5.0			
Styrene, ug/			<5.0			
Xylenes, ug/			<5.0			
	Toluene-d8					
	4-Bromofluorobenzene					
	Dibromofluoromethane					
Date Analyze						
Dilution fac	tor	1.0		1.0		
Batch ID			0218B			
Clock ID		210218	210218	210218	210218	

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

REPORT OF RESULTS

LOG NO SAMPLE DESCR	RIPTION , QO	C REPORT FOI	R LIQUID SAM	PLES
70863-10 Method Blank 70863-11 Lab Control 70863-12 LCS Control	Standard (I	GCS) % Recov	<i>r</i> ery	
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	<u>-</u>		
Methylene chloride	<5.0			·
(Dichloromethane), ug/l				
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,				
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			
, 3,	<5.0			
1,1,2,2-Tetrachloroethane, ug/	/1 <5.0			
1,2-Dichloropropane, ug/l	<5.0			
trans-1,3-Dichloropropene, ug/	/1 <5.0			

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION	, QC REPORT F	OR LIQUID S	AMPLES
70863-10 Method Blank 70863-11 Lab Control Standar 70863-12 LCS Control Limits	d (LCS) % Rec	overy	
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		e e
Benzene, ug/l <5	.0 110 %	52-143 %	
cis-1,3-Dichloropropene, ug/l <5	.0		
· · · · · · · · · · · · · · · · · · ·	.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		
	. 0		
Surrogate - Toluene-d8 108/108		59-133 %	
Surrogate - 108/110	% 106 %	60-136 %	•
4-Bromofluorobenzene			
·	% 116 %	76-145 %	
Dibromofluoromethane			
2	97 02.18.97		
	.0 1.0		
Batch ID 021			
Clock ID 11/2102	18 110218		

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

		REPORT (OF RESULTS			Page 7	
•				ì	DATE	/	
LOG NO	SAMPLE DESCR	IPTION , S	OLID OR SEM	ISOLID SAMP	LES TIME	SAMPLED	
70863-13	SL-6				02-1	3-97/1105	
70863-14	SL-8				02-1	3-97/1130	
70863-15	SL-10				02-1	3-97/1330	
70863-16	Duplicate				02-1	3-97/1330	
70863-17	SL-2				02-1	3-97/1025	
PARAMETER		70863-13	70863-14	70863-15	70863-16	70863-17	
Volatiles by G	C/MS (8260)						
Chloromethane,	, ug/kg dw	<12	<12	<11	<11	<13	
Bromomethane,	ug/kg dw	<12	<12	<11	<11	<13	
Vinyl chloride	e, ug/kg dw	<12		<11	<11	<13	
Chloroethane,	ug/kg dw	<12	22	<11	<11	<13	
Methylene chlo	oride	<6.0	<6.0	<5.7	<5.7	<6.6	
(Dichlorometh	nane), ug/kg dw						
Acetone, ug/kg	g dw	<60	<60	<57	<57	<66	
Carbon disulfi	ide, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6	
1,1-Dichloroet	chene, ug/kg dw	·<6.0	<6.0	<5.7	<5.7	<6.6	
1,1-Dichloroet	chane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6	
	-Dichloroethen	<6.0	<6.0	<5.7	<5.7	<6.6	
e, ug/kg dw							
Chloroform, ug	g/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6	
	chane, ug/kg dw		<6.0	<5.7	<5.7	<6.6	
2-Butanone (MI	EK), ug/kg dw	<30	<30	<28	<29	<33	
· ·	roethane, ug/kg dv			<5.7	<5.7	<6.6	~
	nloride, ug/kg dw		<6.0	<5.7	<5.7	<6.6	
Bromodichlorom	methane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6	

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIP		OF RESULTS OLID OR SEM	ISOLID SAMP	DATE LES TIME	Page 8 / SAMPLED
						
70863-13	SL-6					3-97/1105
70863-14	SL-8					3-97/1130
70863-15	SL-10					3-97/1330
	Duplicate					3-97/1330
70863-17	SL-2				02-1	3-97/1025
PARAMETER	7	0863-13	70863-14	70863÷15	70863-16	70863-17
ug/kg dw			•	•		
1,2-Dichloropropane, ug/kg dw		<6.0	<6.0	<5.7	<5.7	<6.6
trans-1,3-Dichloropropene,		<6.0	<6.0	<5.7	<5.7	<6.6
ug/kg dw	(k, k)					
Trichloroethe	ene, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
	omethane, ug/kg dw			<5.7	<5.7	<6.6
1,1,2-Trichlo	oroethane, ug/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
Benzene, ug/k	-			<5.7	<5.7	<6.6
cis-1,3-Dichl	.oropropene, ug/kg d	w <6.0	<6.0	<5.7	<5.7	<6.6
Bromoform, ug	g/kg dw	<6.0	<6.0	<5.7	<5.7	<6.6
2-Hexanone, u	ıg/kg dw	<30	<30	<28	<29	<33
4-Methyl-2-pe		<30	<30	<28	<29	<33
(MIBK), ug/k	_					
Tetrachloroet	chene, ug/kg dw	<6.0	16	<5.7	<5.7	<6.6
Toluene, ug/k	_	9.8	59	8.8	8.6	<6.6
Chlorobenzene	·	<6.0	<6.0	<5.7	<5.7	<6.6
Ethylbenzene,	- - -	<6.0	<6.0	<5.7	<5.7	<6.6
Styrene, ug/k	g dw	<6.0	<6.0	<5.7	<5.7	<6.6

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 9					
	•				DATE	/	
LOG NO	SAMPLE DESCRIP	TION , S	OLID OR SEM	ISOLID SAMPL	ES TIME	SAMPLED	
70863-13	SL-6				02-13	3-97/1105	
70863-14	SL-8				02-13	3-97/1130	
70863-15	SL-10				02-13	3-97/1330	
70863-16	Duplicate				02-13	3-97/1330	
70863-17	SL-2			-		3-97/1025	
PARAMETER	7	0863-13	70863-14	70863-15	70863-16	70863-17	
Xylenes, ug/kg dw		<6.0	8.8	<5.7	<5.7	<6.6	
Surrogate - Tolue	ne-d8	93 %	95 %	98 %	98 %	95 %	
Surrogate - 4-Bro	mofluorobenzene	105 %	110 %	105 %	109 %	103 %	
Surrogate - Dibro	mofluoromethane	150 %	145 %	153 %	153 %	148 %	
Date Analyzed	0	2.17.97	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		110217	110217	1I0217	110217	110217	
Percent Solids (16	0.3), %	83	83	88	87	76	

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DES	CRIPTION , S	OLID OR SEM	HISOLID SAMP	DATE LES TIME	SAMPLED
70863-18 70863-19 70863-20 70863-21 70863-22	SL-5 SL-1 SL-3 SL-7 SL-4				02-1 02-1 02-1	3-97/1055 3-97/1010 3-97/1035 3-97/1120 3-97/1045
PARAMETER		70863-18	70863-19	70863-20	70863-21	70863-22
Lead (6010) Lead (6010), mg/k Preparation Date Date Analyzed Dilution factor Batch ID Percent Solids (16		1100 02.17.97 02.18.97 1.0 0217A 86	580 02.17.97 02.18.97 1.0 0217A 86		1400 02.17.97 02.18.97 1.0 0217A 88	

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

REPORT OF RESULTS

		KEFORT	OL KEROLIS			. Page II	
					DATE	/	
LOG NO	SAMPLE	DESCRIPTION , S	SOLID OR SEM	ISOLID SAMP	LES TIME	SAMPLED	
70863-23	SL-9				02-1	3-97/1150	
70863-24	SL-11				02-1	3-97/1345	
70863-25	MW-1				02-1	3-97/0920	
70863-26	MW-2				02-1	3-97/0940	
70863-27	MW-3					3-97/0950	
PARAMETER		70863-23	70863-24	70863-25	70863-26	70863-27	
Lead (6010)							
Lead (6010), mg/kg	g 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	0.3), %	93	78	81	81	90	

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

REPORT OF RESULTS

LOG NO SAMPLE DESCR	IPTION , Q	C REPORT FO	R SOLID/SEM	ISOLID
70863-28 Method Blank 70863-29 Lab Control 70863-30 LCS Control	Standard (1	LCS) % Reco	very	
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			50-177 왕	
1,1-Dichloroethane, ug/kg dw	<5.0			
Cis/Trans-1,2-Dichloroethen e, 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 d	w <5.0			
Carbon tetrachloride, ug/kg dw				
Bromodichloromethane, ug/kg dw	<5.0			
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.0			

LOG NO: S7-70863 Received: 13 FEB 97

Reported: 21 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPT	rion , Q	C REPORT FOR	R SOLID/SEMISOLID		
	Method Blank Lab Control Standard (LCS) % Recovery LCS Control Limits					
PARAMETER	7(70863-30		
1,2-Dichloropropa trans-1,3-Dichlor	ne, ug/kg dw					
ug/kg dw Trichloroethene,			•	41 174 P.		
Dibromochlorometh	ane, ug/kg dw	<5.0		41-134 %		
1,1,2-Trichloroet Benzene, ug/kg dw			120 %	 66-137 %	•	
cis-1,3-Dichlorop Bromoform, ug/kg		v <5.0 <5.0				
2-Hexanone, ug/kg 4-Methyl-2-pentan	dw	<25 <25				
(MIBK), ug/kg dw						
Tetrachloroethene Toluene, ug/kg dw		<5.0 <5.0		 60-144 %		
Chlorobenzene, ug Ethylbenzene, ug/	_	<5.0 <5.0	112 %	63-139 %		
Styrene, ug/kg dw	-	<5.0		'		
Xylenes, ug/kg dw Surrogate - Tolue	ne-d8			 67-143 %		
Surrogate - 4-Bro Surrogate - Dibro				43-153 % 73-165 %		
Date Analyzed Dilution factor	02	2.17.97 1.0	02.17.97 1.0			
Batch ID Clock ID		0214A	0214A 1I0217			

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

LOG NO: S7-70863 Received: 13 FEB 97 Reported: 21 FEB 97

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

Atlanta, GA 30341

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 103470222

REPORT OF RESULTS

Page 14

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID
70863-28 70863-29	Method Blank Lab Control Standard (LCS) % Recovery
70863-30	LCS Control Limits
PARAMETER	70863-28 70863-29 70863-30
Lead (6010)	·
Lead (6010), mg/kg	g 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

67725

Seried Number

0105 912-352-

SAVANNAHLABORATOPIES

A ENVIRONMENTAL SERVICES, INC.

Fe: chair golder, untraled & dated

Fax (813) 885-7049 Fax (804) 725-1163 Ex (505) 421-5584 Fauc (205) 666 6698 ac (912) 362 0165 FEDC (\$04) 877-9504 Phone; (200) 121-7400 Prome: (205) 886-5633 Phone: (504) 784-1100 Phone: (812) 354-7858 Phone: (904) 878-3894 Phone; (819) 885-7427

G712 Benjamin Road, Suha 100, Tampa, P. 59634 🗆 2846 Fichiat fil Plaza Drive, Talibiaes es. Pl. 32301 TAILSWITCH Averus, Deerhald Beach, FL 59442 C) 6) 02 Lathoche Avenue, Severmen, GA 31404 C 300 Lakesida Drima, Mobile, AL 38699 ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

DRIGINAL PAGE 2 | OF 2 DELIVERY(surdisays) STANDARD
TREPORT REMARKS Date Our RECUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED TO THE WOOD OF THE PARTY OF THE THE THE P.O. NAPLBER CLIENT PROJECT MANAGER SAMPLE IDENTIFICATION PHONE ₹¥. PROJECT NO. 7 27 ADJECT LOC. SAMPLERAS) NAME RENT ADDRESS (CITY, STATE, ZIP) 러운 Ge 134 POLECT REPERBACE 10:53 10:10 TINE SAMPLE ENT NAME 273 PATE 2 13

10														- II	7	• :) 1
7	0	7	कार आसास कार्यास	,							DATE TIME		DATE TIME		199	18 NO 5 TO SALARY	4.1
7			The Control of the Co								gg.				X CAN DE	34	
										•	GRUNARIO BY: (SACANATURE)	•	RECEIVED BY: (SKSNATURE)			TO WE THE	والمالية المالية المالية
-		-	+		\- \-	+					╁	_	+	_		13 CS	A A Part of the Contract
+	+		+	+	+	+	+				Total Page	2-13 16:40			ONLY .	8.100 B. 3.00	
+								2				MUME			LABORATORY LISE ONLY	CUSTOOY SEAL!	The State of States and States an
X	X	*	×	×	Y	₹	×			+		RETHOUSHED BY: (SKOLA) LINE	7	RECEIVED BY (STANTUME)	LABOR	1 · ·	SYES LINE.
												和田	1	TIME RECT		THE L'MIN	3
												DATE TI		E E		9/3/67	7.
54 -3	54-7	4-75	51-9	11-11	1-011	1+12-5	46.3									ECENTED FOR LABORATORY BY: (SPORATURE) DATE	Q
12:35	02:11	401	ا ــــــــــــــــــــــــــــــــــــ		. 02:6	9:40	9:50					SHED BY: (SEGNATI	4.	THE CENTED BY, (BICHATURE)		ED FOR LABORATOR	
37-13	27.2	7	17 2-13 17 2-13		S 2-17	2-13	37-6	W. T.	bī:	2	Ç.	S HELWORL		TO THE		HECHA	

20.9

Semanticulary / 1-2

	VAA VVIRC	SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.	BORA	TORIE S, INC.	S			102 LaRoc 346 Industr	☐ 5102 LaRoche Avenue, Savannah, GA 31404 ☐ 2846 Industrial Plaza Drive, Tallahassee, FL 3☐ 1414 SW 19th Avenue	Savannah, ive, Tallaha	5102 LaRoche Avenue, Savannah, GA 31404 2846 Industrial Plaza Drive, Tallahassee, FL 32301	Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (904) 878-3904	Fax: (912) 352-0165 Fax: (904) 878-9504	0165 9504
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECC	QUE	ST AND CH	HAIN OF	CUST	ODY RECO	Œ C		DO Lakesid 712 Benjan 30 Alpha D	☐ 414.3W (Zill Avellor), Deelineld Deadling Deadling 900 Lakeside Drive, Mobile, AL 36693 ☐ 6712 Benjamin Road, Suite 100 Tamp ☐ 100 Alpha Drive, Suite 110, Destrehan	bile, AL 366 uite 100, Ta 10, Destrel	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Phone: (305) 421-7400 Phone: (205) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100	Fax. (303) 42 1-2364 Fax. (205) 666-6696 Fax. (813) 885-7049 Fax. (504) 725-1163	2384 5696 7049 1163
PROJECT REFERENCE	111		PROJECT NO.	o o	P.O. NUMBER	25 f	\S	MATRIX						٠ _ ا
ļ	SAMPLER(s) NAME	NAME		PHONE				YPE /	75		HECOIMED ANALYSES	ALYSES	PAGE 2	7 PF 2
State)				FAX			$\left \cdot \right $	Ne juen			\		_	
LIENT NAME GE OLV			CLIENT PROJECT MANAGER	DECT MAN	IAGER								STANDARD STANDARD REPORT DELIVERY	GR. YF
CLIENT ADDRESS (CITY, STATE, ZIP)	Y, STATI	E, ZIP)				SINIS	OVISIO	رود					EXPEDITED REPORT DELIVERY(surcharge)	REPORT (rcharge)
SAMPLE	8					1000		/ /	4/	PP 669	MATNE/		Date Due:	
DATE TIME	<u>8</u>	SAN	SAMPLE IDENTIFICATION	ITIFICATIO	NO	100 NO.	NON	Ž	JMBERC	FCONTA	NUMBER OF CONTAINERS SUBMITTED	TED	REMARKS	
2-(3 (0:55		5175				×	_		-					
2-13 10:10		1-75				×							MAN IN ZO	
2-13 10:35		51 -3				×							42/2	د
273 11:20		51-7				×						1	7	- 1
2-13 10:45		4-15				¥	1					<u>د</u> ا	The Train	<i>р</i>
2-13 11:50		6-15				ہ						2	100	
2-13 13:45		56-11				×						S.	16 2149	7
2-13 9:20		1-MH				×		3.97 3.1						
2-13 9:40		7-941				ヾ	_	4: 1						
2-13 9:50		HW-3				×	1 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				•			
							14 16 14 1 14 1							
					,		, div							
RELINQUISHED BY: (SIGNATURE)	GNATU	16)	DATE	TIME	RELINQUISHE	ED BY: (SIGNATURE)	NATURE		-DATE	TIME /40	RELINQUISHED BY: (SIGNATURE)	3Y: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	rure)	Section 1	DATE	TIME	6	(SIGNATURE)	JRE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	IGNATURE)	DATE	TIME
						LABO	LABORATORYUSE/ONLY	USEO						
IECEIVED FOR LABORATORY BY: (SIGNATURE)	ATORY	BY: (SIGNATUR		TIME	= custop	Y INTACT	CUSTOBY SEALNO	SEAL NO	SLIOGNC	NO 1.	LABORATORY REMARKS	3	400	ل د
M. Kronn	Z	C	9/8/1	大芸	713/97 4:00 💢 🛚	ÇN L			<u>ئے</u>	57 54	- ام		7	149.7
マニマンア	3	THE SECOND SECOND		が後ろうと	イニーニー語を			TO STATE OF THE PARTY OF THE PA	一も			ニミン りゅ		

COMMUNICATION RESULT REPORT

M483:20 79-26-97 03:28FM

							GOOD			99	81538501	1 100
TJU	RES	COMM MODE	ON I	PHONE / TT	ио	TIUS	E BE	соми моз	NO.	ITT /	LHOME	.ои
0000			10	991	10292216	1: OT		S-2	MEMOE 2	M472:	02-26 03	3.6
EZIS		REMARKS	PAGE	TO: /FROM:	VOITANI	DEST	DELATED	TYPE	FILE	LIME	A HTAG	RILE

O,			SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.		25102 LaRox 1.2846 Indust 1414 SW 121	che Avenue kial Plaza C n Avenue,	, Savamal Irive, Tallal Deerfield B	EEE 5102 LaRoche Avenue, Savarnah, GA 31404 2246 Induskial Plaza Drive, Tallahassee, FL 323 3445 W 12th Avenue, Deerfield Beach, FL 33445
ANA	ANALYSIS REQU	금	ESTAND CHAIN OF CUSTODY HECORD		1 SKO Lakeside Drive, Mobile, AL 36693 16712 Benjamin Road, Suite 100, Tamp 1 roo Alpha Drive, Suite 110, Destrehan	de Drive, M min Road, (Ortve, Suile	obile, AL 30 Suite 100, 1 110, Destr	☐ 900 Lakeside Drive, Mobile, Al. 36693 ☐ 6712 Benjamin Road, Suite 100, Tampa, Ft. 3367 ☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047
PROJECT	PROJECT REFERENCE	Ä	PROJECT NO. P.O. NUMBER					
Savi	S 1		953-3825		MATRIX	ļ		REQUIRED
PROJECT LOC. (Slate)		SAMPLEH(1(s) NAME 773 -446	- 18	TO THE PARTY OF TH	(%) So		
CLIENTNAME	€ME		CLENT PROJECT WANAGER	anios !	W/OS/	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\	_
<u>ن</u> 	Colder			0	250		_	_
CLIENTAL	JOHESS (C)	TY, STA			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<u> </u>	
3.	^	Clary	にも でったったり まれート ケな	WE TO S	1	<i>+</i>	\downarrow	+
SAN	SAMPLE	정		7000 2000 2000 2000 2000 2000 2000 2000	1			1
DATE	TIME	Ş	SAMPLEIDENTIFICATION	[\$\\\\\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		NJMBER OF CONTAINERS	F CONT	AINERS SUB
2-13	15:52		· 1~~>	× ~		_		
272	15:15		й — М	7 7				
272	cY:Y1) S-M	~				
2-13	15:30		Gw-3	4				
2-12	14,20		X	7				
2-12	15:20		ر عليه المرز	1				
2-13	15:15	~ :	ka K	2 				
2-13	15:45	·						
2-13	50:11		7-75	J X	Í			•
2-13	11.53		S L = 8	ו	ļ			
2-13	13:30		\$ 1.50	J Y	-			
2-13	48:51		Sout ak	+ ~	-			
52:01 81-5	52:01		51-2	۱ ۲				
RELITION	HED BY: (SI		REL NOUISHE	D BY: (SIGNATURE)		DATE	TIME	RELINGUISHE
A SECTIVED	HECELVED BY: ISIGNATURE		TANK THE RECEIVERY	SCICINATI IDE		273	16.40	
,	, ,	7.				<u>.</u>		
100 m	i.	1.38	一年 一年 一年 一日 一日 一日 一日 一日 日 日 日 日 日 日 日 日	LABORATORY USE ONLY	YUSEON	1.7		1. 经分额
			DI SKRANTINE DATE TIME CUSTOOYI	CHSTODY WIACT CUSTODY SEALNO.	NY SEAL NO.	8 6	9	
(18) 1A			は、大学をは、これが、これが、これを表現の表現の表現の表現の表現の表現の表現の表現の表現の表現の表現の表現の表現の表	PION INC.	新	E a	200	
			The second of th					

lead avalued PAGE 1 OF 2 DELIVERY(surcharge) aniy 15ample May Cimited well volume TIME TIME Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 Fax: (904) 878-9504 Fax: (954) 421-2584 Fax: (912) 352-0165 * please do STANDARD X DELIVERY that wer Washerth REMARKS DATE DATE Raylow Date Due: Phone: (334) 666-6633 Phone: (504) 764-1100 Phone: (904) 878-3994 Phone: (954) 421-7400 Phone: (813) 885-7427 Phone: (912) 354-7858 RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED 14 SW 12th Avenue, Deerfield Beach, FL 33442 2000 Lakeside Drive, Mobile, AL 36693 2712 Benjamin Road, Suite 100, Tampa, FL 33634 2100 Alpha Drive, Suite 110, Destrehan, LA 70047 EE 5102 LaRoche Avenue, Savannah, GA 31404 □ 2846 Industrial Plaza Drive, Tallahassee, FL 32301 16.40 TIME TIME 273 DATE DATE LABORATORY USE ONLY 40109 CUSTODY SEAL NO. MATRIX RELINQUISHED BY: (SIGNATURE) 1 TO TO SWITCH THE WAY TO THE WAY THE RECEIVED BY: (SIGNATURE) 770-496-1893 ¥ ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD to: +150 Maday P.O. NUMBER SAVANNAH LABORATORIES 3730 Chamber Tocker Rd Attomb 614 CLIENT PROJECT MANAGER Lisa Mechood SAMPLE IDENTIFICATION & ENVIRONMENTAL SERVICES, INC. PHONE 953-3855 ₹ PROJECT NO. Field Blamk 120/10cl Duplicate ケース 5-53 01-75 7 C12-3 51-8 2-75 6-40-SKIIN IN THE SKIIN OF THE SKIIN 735 χ SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIP) RELINQUISHED BY: (SIGNATURE) RÉCEIVED BY: (SIGNATURE) 요중 1 Marign PROJECT REFERENCE 18:30 15:20 50:11 13:30 15:45 14,20 75:15 52:01 ch : h1 11:30 13:30 15:15 15:25 TIME Savannah SAMPLE PROJECT LOC. CLIENT NAME RECEIVED 71-7 2-12 DATE 2-13 2-13 27.5 2-13 2-13 2-19 2-13 2-13 2-13 275 (State)

2

D + James

-

740

Serir* No Der

PAGE 1 OF 2 EXPEDITED REPORT DELIVERY(surcharge) anta tsample -ax: (904) 878-9504 Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 well volume TIME -ax: (912) 352-0165 TIME Fax: (954) 421-2584 STANDARD
REPORT
DELIVERY REMARKS DATE DATE Date Due: いずばり Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100 Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (954) 421-7400 RELINQUISHED BY: (SIGNATURE) LABORATORY REMARKS RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED ☐ 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 2846 Industrial Plaza Drive, Tallahassee, FL 32301 PRÆSEKVAT/VE EE 5102 LaRoche Avenue, Savannah, GA 31404 16.40 TIME TIME 212 DATE DATE K0709 <u>・</u> つる MATRIX TYPE < LABORATORY 4 RELINQUISHED BY: (SIGNATURE) 7 N JOSIWAS BOOKS RECEIVED BY: (SIGNATURE) 268/-ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD YES THE × 370-446 P.O. NUMBER LABORATORIES Attento 64 CLIENT PROJECT MANAGER Lisa Mccloud SAMPLE IDENTIFICATION & ENVIRONMENTAL SERVICES, INC. FAX 953-3852 PROJECT NO. RECEIVED FOR LABORATORY BY: (SIGNATURE) DATE Tolice Red Field Blank Doplicat Duplicate 7-3 2-5 01-75 CE -3 51.2 8-75 G-20-1 27-15 735 SAVANNAH X PROJECT LOC. | SAMPLER(s) NAME (State) CLIENT ADDRESS (CITY, STATE, ZIP) 3730 Chemble RELINGUISHED BY: (SIGNATURE) RÉCEIVED BY: (SIGNATURE) 요중 PROJECT REFERENCE 15,30 C4:41 15:15 15:15 14,20 15:20 51,51 c(: 1/ 11:30 10:25 52:51 2:11 13:30 Savannah TIME SAMPLE **CLIENT NAME** せ DATE 21-2 21-2 272 2-13 273 773 1.5 2-13 2-13 51-2 272 2-13 2-13

Seria rounder

OF 2 EXPEDITED REPORT DELIVERY(surcharge) Fax: (813) 885-7049 Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (305) 421-2584 Fax: (205) 666-6696 Fax: (504) 725-1163 TIME TIME STANDARD REPORT DELIVERY PAGE2 01//0 REMARKS DATE DATE Date Due: Phone: (305) 421-7400 Phone: (205) 666-6633 Phone: (904) 878-3994 Phone: (504) 764-1100 Phone: (912) 354-7858 Phone: (813) 885-7427 RELINQUISHED BY: (SIGNATURE) ABORATORY REMARKS RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED Benjamin Road, Suite 100, Tampa, FL 33634 | Sayan | Saya oche Avenue, Savannah, GA 31404 PPESEFVAT . 1.70 TIME IIWE 5 DATE DATE **USE ONLY** **ILABORATOR (SIGNATURE) RELINQUISHED BY: (SIGN X × ¥ ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD P.O. NUMBER RECEIVED BY: CLIENT PROJECT MANAGER SAMPLEIDENTIFICATION ■ & ENVIRONMENTAL SERVICES, INC. PHONE Ϋ́ TIME TIME PROJECT NO. DATE DATE RECEIVED FOR LABORATORY BY (SIGNATURE) CO M M M 1 I Land 6-75 2-MH HW-3 1-01 75 SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIP) RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) 엄형 PROJECT REFERENCE 10:55 05:11 3/1:11 10:35 02:11 0:10 1:40 05:1 TIME SAMPLE PROJECT LOC. (State) **CLIENT NAME** --DATE 2.13 2.13 2.13 7-2

004B1

100

7110 3

EXPEDITED REPORT | DELIVERY(surcharge) Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (954) 421-2584 PAGE | OF Limited well volum Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 TIME TIME STANDARD
REPORT
ADELIVERY REMARKS DATE DATE Date Due: Phone: (954) 421-7400 Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100 Phone: (912) 354-7858 Phone: (904) 878-3994 RELINQUISHED BY: (SIGNATURE) LABORATORY REMARKS: RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED | IX-5102 LaRoche Avenue, Savannah, GA 31404 | IX-5102 LaRoche Avenue, Savannah, GA 31404 | IX-5204 | IX-5 PRESERVATIVE ۲() ک 16:40 SEALNO | SLLOGNO: IJ¥E USEONLY 2-13 DATE DATE (SIGNATURE) BY: (SIG P.O. NUMBER ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD 7/1/2 L.S. REL INQUISHE The second secon RECEIVEDB 270 ði, SAVANNAH LABORATORIES Tolly R.D. Allint 611 CLIENT PROJECT MANAGER Lisa Mc (load SAMPLE IDENTIFICATION & ENVIRONMENTAL SERVICES, INC. ₹ 5288-856 ⊒ E PROJECT NO. RECEIVED FOR LABORATORY BY (SIGNATURE) DATE Ficed Blank DATE Doplicato Duplicete 7-M 01.7 CW-3 9-75 1-35 00 1.8.5 They by Wichington ON TAINERS PROJECT LOC. SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIP) (banbbe RELINQUISHED BY: (SIGNATURE) RÉCEIVED BY: (SIGNATURE) 요 8 PROJECT REFERENCE 04.71 5:30 15120 15:15 5.18 5:51 C1, 11, 13:30 Golder 50:1 13:30 52:01 TIME SAMPLE **CLIENT NAME** A 3 DATE 31.2 21-6 7.6 (State)

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

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

LOG NO: S7-70863A Received: 13 FEB 97 Reported: 28 FEB 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 101270228

REPORT OF RESULTS

LOG NO	SAMPLE	DESCRIPTION	, SOLID	OR	SEMISOLID	SAMPLES	DATE/ TIME SAMPLE	D J
70863A-1 70863A-2 70863A-3 70863A-4 70863A-5	SL-6 SL-8 SL-10 Duplica SL-2	ıte					02-13-97/11 02-13-97/13 02-13-97/13 02-13-97/10	30 30 30
PARAMETER			70863A-	1	70863A-2	70863A-3	70863A-4	70863A-5
Lead (6010) Lead (6010) Preparation Date Analy Dilution for Batch ID Percent Sol	n Date zed actor		48 02.26.9 02.27.9 1. 0226	07 0 0 1C	1300 02.26.97 02.27.97 1.0 0226C 83 %	24 02.26.97 02.27.97 1.0 0226C 88 %	02.27.97	1400 02.26.97 02.27.97 1.0 0226C 76 %

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 70863A-7 70863A-8	Method Blank Soil Lab Control Standard (LCS) % Recovery LCS Control Limits		
PARAMETER	70863A-6	70863A-7	70863A-8
Lead (6010) Lead (6010 Preparation Date Analy Dilution for Batch ID), mg/kg dw <0.50 n Date 02.26.97 zed 02.27.97	100 %	70-130 %

Methods: EPA SW-846

Tiga G McLeod Project Manager

SW

LOG NO: S7-71707 Received: 27 MAR 97

Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE	DESCRIPTION , S	OLID OR SEM	ISOLID SAMPI	DATE, LES TIME	/ SAMPLED	
71707-1 71707-2 71707-3 71707-4 71707-5	SL-12 SL-13 SL-14 SL-15 SL-16				03-20 03-20 03-20	6-97/0910 6-97/0920 6-97/0925 6-97/0935 6-97/0940	
PARAMETER		71707-1	71707-2	71707-3	71707-4	71707-5	
Lead (6010) Lead (6010), mg/kg Preparation Date Date Analyzed Dilution factor Batch ID Percent Solids (160		4600 03.28.97 03.31.97 5.0 0328A 82		110 03.28.97 03.31.97 1.0 0328A 90	03.28.97	250 03.28.97 03.31.97 1.0 0328A 93	

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

					DATE	/	
LOG NO	SAMPLE	DESCRIPTION , S	SOLID OR SEN	MISOLID SAMP	LES TIME	SAMPLED	
71707-6	SL-17				03-2	 6-97/0950	
71707-7	SL-18				03-2	6-97/1000	
71707-8	SL-19				03-2	6-97/1015	
71707~9	SL-20				03-2	6-97/1025	
71707-10	SL-21				03-2	6-97/1100	
PARAMETER		71707-6	71707-7	71707-8	71707-9	71707-10	
Lead (6010)							
Lead (6010), mg/k	g 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 (16	0.3), %	, 96	78	88	89	84	
	0.3), %						

LOG NO: S7-71707 Received: 27 MAR 97 Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE D	ESCRIPTION , SO	OLID OR SEMI	ISOLID SAMPI	DATE, LES TIME	/ SAMPLED	
71707-11	SL-22				03-26	5-97/1110	
71707-12	SL-23				03-26	5-97/1120	
71707-13	SL-24				03-26	5-97/1127	
71707-14	SL-25				03-26	5-97/1135	
71707-15	SL-26				03-26	6-97/1143	
PARAMETER		71707-11	71707-12	71707-13	71707-14	71707-15	
Lead (6010)							
Lead (6010), mg/k	g 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 (16	50.3), %	91	88	85	70	86	

LOG NO: S7-71707 Received: 27 MAR 97

Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE D	ESCRIPTION , SO	OLID OR SEM	ISOLID SAMPI	DATE,	/ SAMPLED	
71707-16 71707-17 71707-18 71707-19 71707-20	SL-27 SL-28 SL-29 SL-30 SL-31				03-26 03-26 03-26	5-97/1150 5-97/1240 5-97/1250 5-97/1300 5-97/1305	
PARAMETER		71707-16	71707-17	71707-18	71707-19	71707-20	
Lead (6010) Lead (6010), mg/k Preparation Date Date Analyzed Dilution factor Batch ID Percent Solids (16		160 03.28.97 03.31.97 1.0 0328A 82	180 03.28.97 03.31.97 1.0 0328A 86	210 03.28.97 03.31.97 1.0 0328A 88	87 03.28.97 03.31.97 1.0 0328A 87	470 03.28.97 03.31.97 1.0 0328A 81	

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
--------	----	---------

		REPORT	OF RESULTS		DATE	Page 5 /	
LOG NO	SAMPLE	DESCRIPTION , S	OLID OR SEM	ISOLID SAMPI	•	SAMPLED	
71707-21 71707-22 71707-23 71707-24 71707-25	SL-32 SL-33 SL-34 SL-35 SL-BK1	`	(03-26 03-26 03-26	6-97/1310 6-97/1320 6-97/1328 6-97/1430 7-97/0830	
PARAMETER		71707-21	71707-22	71707-23	71707-24	71707-25	
Lead (6010) Lead (6010), mg/k Preparation Date Date Analyzed Dilution factor Batch ID Percent Solids (16	g dw	34 03.28.97 03.31.97 1.0 0328B 89	03.28.97 03.31.97 1.0	130 03.28.97 03.31.97 1.0 0328B 88		03.31.97 1.0	

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

LOG NO	SAMPLE DESC	RIPTION , SO	OLID OR SEMI	ISOLID SAMPI	DATE, LES TIME	/ SAMPLED	
71707-26 71707-27 71707-28 71707-29 71707-30	SL-BK2 VSL-1-1 VSL-1-2 VSL-1-3 Duplicate 1-	-SL			03-2° 03-2° 03-2°	7-97/0900 7-97/1105 7-97/1110 7-97/1115 6-97/0940	
PARAMETER		71707-26	71707-27	71707-28	71707-29	71707-30	
Lead (6010) Lead (6010), mg/k Preparation Date Date Analyzed Dilution factor Batch ID Percent Solids (16		43 03.28.97 03.31.97 1.0 0328B 81		1.8 03.28.97 04.01.97 1.0 0328B 86	03.28.97		

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

LOG NO	SAMPLE DES	CRIPTION , S	OLID OR SEM	ISOLID SAMPI	DATE, LES TIME	/ SAMPLED	
71707-31 71707-32 71707-33 71707-34 71707-35	Duplicate : Duplicate : VSL-2-1 VSL-2-2 VSL-2-3				03-26 03-27 03-27	5-97/1150 5-97/1425 7-97/1130 7-97/1135 7-97/1140	
PARAMETER		71707-31	71707-32	71707-33	71707-34	71707-35	
Lead (6010) Lead (6010), mg/k Preparation Date Date Analyzed Dilution factor Batch ID Percent Solids (16		120 03.28.97 03.31.97 1.0 0328B 83	13 03.28.97 03.31.97 1.0 0328B 93	22 03.28.97 03.31.97 1.0 0328B 89		· -	

LOG NO: S7-71707 Received: 27 MAR 97 Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCR		OLID OR SEMI	SOLID SAMPLES	DATE/ TIME SAMPLED	
71707-36 71707-37 71707-38	SP-4 SP-5 SP-6				03-27-97/0925 03-27-97/0935 03-27-97/0955	
PARAMETER		71707-36	71707-37	71707-38		
Lead (6010) Lead (6010), mg/k Preparation Date Date Analyzed Dilution factor Batch ID Percent Solids (16			350 03.28.97 03.31.97 1.0 0328B 84	210 03.28.97 03.31.97 1.0 0328B 84		

LOG NO: S7-71707 Received: 27 MAR 97 Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCR		OLID OR SEM	ISOLID SAMP	DATE, LES TIME	/ SAMPLED	
71707-39	SP-1					7-97/1005 ·	
71707-40	SP-2					7-97/1003	
71707-41	SP-3					7-97/1000	
71707-42	GW2-1					5-97/1030	
. —	GW2-2					5-97/1040	
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, u	g/kg dw	<12	<14	<13	<13	<13	
Chloroethane, ug/	kg dw	<12	<14	<13	<13	<13	
Methylene chlorid		<6.1	<6.8	<6.4	<6.7	<6.5	
(Dichloromethane), ug/kg dw						
Acetone, ug/kg dw		<61	<68	<64	<67	<65	
Carbon disulfide,			<6.8	<6.4	<6.7	<6.5	
1,1-Dichloroethen	e, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5	
1,1-Dichloroethan		<6.1	<6.8	<6.4	<6.7	<6.5	
Cis/Trans-1,2-Dic	hloroethen	<6.1	<6.8	<6.4	<6.7	<6.5	
e, ug/kg dw							
Chloroform, ug/kg		<6.1	<6.8	<6.4	<6.7	<6.5	
1,2-Dichloroethan		<6.1	<6.8	<6.4	<6.7	<6.5	
2-Butanone (MEK),		<30		<32		<32	
1,1,1-Trichloroet			<6.8		<6.7		
Carbon tetrachlor			<6.8		<6.7		
Bromodichlorometh	ane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5	

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

LOG NO	SAMPLE DESCRI				DATE, LES TIME		
71707-39					03-2	7-97/1005	
71707-40	SP-2				03-2	7-97/1008	
71707-41	SP-3				03-2	7-97/0955	
71707-42	GW2-1				03-2	5-97/1030	
71707-43	GW2-2				03-2	5-97/1040	
PARAMETER		71707-39	71707-40	71707-41	71707-42		
1,1,2,2-Tetra ug/kg dw	chloroethane,	<6.1	<6.8	<6.4	<6.7		
1,2-Dichlorop	ropane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5	
trans-1,3-Dic ug/kg dw	hloropropene,	<6.1	<6.8	<6.4	<6.7	<6.5	
	ne, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5	
Dibromochloro	methane, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5	
	roethane, ug/kg dw			<6.4		<6.5	
Benzene, ug/k	g dw	<6.1	<6.8	<6.4	<6.7	<6.5	
cis-1,3-Dichl	oropropene, 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, u	g/kg dw	<30	<34	<32	<33	<32	
4-Methyl-2-pe (MIBK), ug/k	ntanone g dw	<30	<34	<32	<33	<32	
Tetrachloroet	hene, ug/kg dw	<6.1	<6.8	<6.4	<6.7	<6.5	
Toluene, ug/k		<6.1		<6.4		<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/k	g dw	<6.1	<6.8	<6.4	<6.7	<6.5	

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

LOG NO	SAMPLE DESCR		OLID OR SEMI	ISOLID SAMPI	DATE,	rage II / SAMPLED	
71707-39	SP-1					7-97/1005	
71707-40	SP-2					7-97/1008	
71707-41	SP-3				03-27	7-97/0955	
71707-42	GW2-1				03-25	5-97/1030	
71707-43	GW2-2				03-25	5-97/1040	
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 - Toluer				97 %			
Surrogate - 4-Bro	mofluorobenze:	ne 118 %	106 %	119 %	101 %	112 %	
Surrogate - Dibro	mofluorometha:	ne 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	0.3), %	82	·73	78	75	77	

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

		OF RESULTS	DATE	· · · · •	
LOG NO SAMPL	E DESCRIPTION ,	SOLID OR SEN	IISOLID SAMP.	LES TIME	SAMPLED
71707-44 GW2-3				03-2	5-97/1045
71707-45 GW2-4				03-2	5-97/1050
71707-46 GW2-5				03-2	5-97/1055
71707-47 GW2-6				03-2	5-97/1105
71707-48 GW2-7				03-2	5-97/1110
PARAMETER		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 d	w <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-Dichloroe e, ug/kg dw	then <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,					
Carbon tetrachloride, u	g/kg dw <5.9	<7.2	<5.7	<6.0	<7.7
Bromodichloromethane, u	g/kg dw <5.9	<7.2	<5.7	<6.0	<7.7

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

LOG NO	SAMPLE DESCRIE		OLID OR SEM	ISOLID SAMP	DATE LES TIME	/ SAMPLED		
71707-44	GW2-3				03-2	5-97/1045		
71707-45	GW2-4				03-2	5-97/1050		
71707-46	GW2-5				03-2	5-97/1055		
71707-47	GW2-6				03-2	5-97/1105		
71707-48	GW2 - 7				03-2	5-97/1110		
PARAMETER	7	71707-44	71707-45	71707-46	71707-47	71707-48		
1,1,2,2-Tetra	achloroethane,	<5.9	<7.2	<5.7	<6.0	<7.7		
1,2-Dichlorop	ropane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7		
trans-1,3-Dic ug/kg dw	chloropropene,	<5.9	<7.2	<5.7	<6.0	<7.7		
	ene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7		
Dibromochloro	omethane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7		
1,1,2-Trichlo	proethane, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7		
Benzene, ug/k	rg dw	<5.9	<7.2	<5.7	<6.0	<7.7		
cis-1,3-Dichl	oropropene, ug/kg d	lw <5.9	<7.2	<5.7	<6.0	<7.7		
Bromoform, ug	g/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7		
2-Hexanone, u	ıg/kg dw	<29	<36	<29	<30	<38		
4-Methyl-2-pe		<29	<36	<29	<30	<38		
	chene, ug/kg dw	<5.9	<7.2	<5.7	<6.0	<7.7		
Toluene, ug/k	rg dw	<5.9	<7.2	<5.7	<6.0	<7.7		
Chlorobenzene	e, 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/k	ng dw	<5.9	<7.2	<5.7	<6.0	<7.7		

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

	DATE/						
LOG NO	SAMPLE DESCRI	PTION , SO	OLID OR SEMI	SOLID SAMPL	ES TIME	SAMPLED	
71707-44	GW2-3				03-25	5-97/1045	
71707-44	GW2-4					5-97/1050	
71707-46	GW2-5					5-97/1055	
71707-47	GW2-6				03-25	5-97/1105	
71707-48	GW2-7				03-25	5-97/1110	
PARAMETER				71707-46	71707-47	71707-48	
Xylenes, ug/kg dw		<5.9	<7.2	<5.7			
Surrogate - Tolue	ne-d8			98 %			
Surrogate - 4-Bro	mofluorobenzer	ne 110 %	107 %	112 %	110 %	117 %	
Surrogate - Dibro	mofluoromethar	ne 90 %	136 %	91 왕	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 (16	0.3), %	85	69	87	84	65	

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

1,2-Dichloropropane, ug/kg dw <6.4 <7.2

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

			OLID OR SEMI	SOLID SAMPLES	DATE/ TIME SAMPLED	
71707-49 GW	N2-8 N2-Duplicat	e			03-25-97/1115 03-25-97/1120	
PARAMETER		71707-49	71707-50			
Volatiles by GC/MS (8						
Chloromethane, ug/kg	g dw	<13	<14			
Bromomethane, ug/kg	dw	<13	<14			
Vinyl chloride, ug/	cg dw	<13	<14			
Chloroethane, ug/kg	dw	<13	<14			
Methylene chloride		<6.4	<7.2			
(Dichloromethane),	ug/kg dw					
Acetone, ug/kg dw		<64	<72			
Carbon disulfide, ug	g/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-Dichlo	oroethen	<6.4	<7.2			
e, ug/kg dw						
Chloroform, ug/kg dv	W	<6.4	<7.2			
1,2-Dichloroethane,	ug/kg dw	<6.4	<7.2			
2-Butanone (MEK), ug	g/kg dw	<32	<36			
1,1,1-Trichloroethar	ne, ug/kg d	w <6.4	<7.2			
Carbon tetrachloride	e, ug/kg dw	<6.4	<7.2			
Bromodichloromethane	e, ug/kg dw	<6.4	<7.2			
1,1,2,2-Tetrachloroe ug/kg dw	ethane,	<6.4	<7.2		•	

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

Clock ID

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

Page 16

LOG NO	SAMPLE DESCRIPT				DATE/ TIME SAMPLED	
71707-49					03-25-97/1115	
71707-50					03-25-97/1120	
PARAMETER		707-49	71707-50			
	propropene,					
Trichloroethene	, ug/kg dw	<6.4	<7.2			
	chane, ug/kg dw					
	ethane, ug/kg dw					
Benzene, ug/kg o	wi	<6.4	<7.2	•		
cis-1,3-Dichlor	opropene, ug/kg dw	<6.4	<7.2			
Bromoform, ug/kg	g dw	<6.4	<7.2			
2-Hexanone, ug/l	kg dw	<32	<36			
4-Methyl-2-penta (MIBK), ug/kg (<32	<36			
Tetrachloroether	ne, ug/kg dw	<6.4	<7.2			
Toluene, ug/kg o	wb	<6.4	9.4			
Chlorobenzene, w	ıg/kg dw	<6.4	<7.2			
Ethylbenzene, ug	g/kg dw	<6.4	<7.2			
Styrene, ug/kg o	wi	<6.4	<7.2			
Xylenes, ug/kg (wi	<6.4	<7.2			
Surrogate - Toli	lene-d8	98 %	97 왕			
	romofluorobenzene					
Surrogate - Dib	romofluoromethane	125 %	124 %			
Date Analyzed	04					
Dilution factor		1.0	1.0			
Batch ID		0407D	0407D			

2L0407

2L0407

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 17

DATE/
LOG NO SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES 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

LOG NO: S7-71707 Received: 27 MAR 97 Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO SAMPLE DESCR	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID							
71707-51 Method Blank	Soil		••					
71707-52 Lab Control	Lab Control Standard (LCS) % Recovery							
71707-53 LCS Control	LCS Control Limits							
71707-60 Method Blank	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-Dichloroethen e, 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 d	lw <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			

LOG NO: S7-71707 Received: 27 MAR 97

Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , 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 71	707-51	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		

LOG NO: S7-71707 Received: 27 MAR 97

Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID						
71707-52						
PARAMETER	71707-51		71707-53	71707-60	71707-61	
Surrogate - 4-Brow Surrogate - Dibrow	me-d8 98 % mofluorobenzene 110 % mofluoromethane 88 % 04.02.97 1.0 0401A 1M0402 g dw <0.50 03.28.97	100 % 112 % 88 % 04.02.97 1.0 0401A 1M0402 94 %	67-143 % 43-153 % 73-165 % 70-130 %	84 % 102 % 116 % 04.07.97	98 % 110 % 130 % 04.08.97 1.0 0407D	

LOG NO: S7-71707 Received: 27 MAR 97 Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIP		OF RESULTS	ES	Page 21 DATE/ TIME SAMPLED
71707-54					03-27-97/1330
71707-55	MW-5				03-27-97/1400
71707-56	Dup				03-27-97/1330
PARAMETER		1707-54	71707-55	71707-56	
Volatiles by					
Chloromethan	e, ug/l	<10	<10	<10	
Bromomethane	, ug/l	<10	<10	<10	
Vinyl chlorid	_	<10	<10	<10	
Chloroethane			<10		
Methylene ch		<5.0	<5.0	<5.0	
	thane), ug/l				
Acetone, ug/			<50		
	_		<5.0		
·	ethene, ug/l		<5.0		
·	<u> </u>		5.4		
	2-Dichloroethene, ug				
Chloroform,	- ·		<5.0		
	ethane, ug/l				
	MEK), ug/l				
	oroethane, ug/l				
	chloride, ug/l	<5.0	<5.0	<5.0	
			<5.0		
	achloroethane, ug/l				•
1,2-Dichloro	propane, ug/l	<5.0	<5.0	<5.0	
trans-1,3-Di	chloropropene, ug/l	<5.0	<5.0	<5.0	

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

Clock ID

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 14027049

REPORT OF RESULTS

Page 22

LOG NO SAMPLE DESCR				OF RESULTS IQUID SAMPLE	I S	Page 22 DATE/ TIME SAMPLED	
	71707-54 71707-55	GW-2 MW-5				03-27-97/1330 03-27-97/1400	
	71707-56	Dup				03-27-97/1330	
	PARAMETER						
	Trichloroethene,	ug/1	<5.0	<5.0	<5.0		
	Dibromochlorometha	ane, ug/l	<5.0	<5.0	<5.0		
	1,1,2-Trichloroetl	hane, ug/l	<5.0	<5.0	<5.0		
	Benzene, ug/l		<5.0	<5.0	<5.0	•	
	cis-1,3-Dichlorop	ropene, 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-pentano	one (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,	/1	<5.0	<5.0	<5.0		
	Ethylbenzene, ug/	1	<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 - Tolue	ne-d8	98 %	98 ક	100 %		
•	Surrogate - 4-Bro	mofluorobenzene	96 %	98 %	100 응		
	Surrogate - Dibro						
	Date Analyzed						
	Dilution factor		1.0	1.0	1.0		
	Batch ID		0331B	0331B	0331B		

1A0331

1A0331

1A0331

LOG NO: S7-71707 Received: 27 MAR 97 Reported: 08 APR 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 16357048

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES						
71707-57 71707-58 71707-59	Method Blank Lic Lab Control Star LCS Control Limi	dard (I	CS) % Recov	ery			
PARAMETER	713	707-57	71707-58	71707-59			
Volatiles by GC/MS	(8260)						
Chloromethane, ug		<10					
Bromomethane, ug/	1 .	<10					
Vinyl chloride, u	g/l	<10					
Chloroethane, ug/	1	<10					
Methylene chlorid	e	<5.0					
(Dichloromethane), ug/l						
Acetone, ug/l		<50					
Carbon disulfide,	~ ·	<5.0					
1,1-Dichloroethen	- · · · · - · · · · · · · · · · · · · ·	<5.0	132 %	18-181 %			
1,1-Dichloroethan	. •	<5.0					
Cis/Trans-1,2-Dic	hloroethene, ug/l						
Chloroform, ug/l		<5.0					
1,2-Dichloroethan		<5.0					
2-Butanone (MEK),	•	<25					
1,1,1-Trichloroet		<5.0					
Carbon tetrachlor		<5.0					
Bromodichlorometh	· •	<5.0					
1,1,2,2-Tetrachlo	·	<5.0		 .			
1,2-Dichloropropa	- · · · · · · · · · · · · · · · ·	<5.0					
trans-1,3-Dichlor	opropene, ug/l	<5.0					

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 24

LOG NO	G NO SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES							
71707-57 71707-58 71707-59	Lab Control Sta	ndard (1	LCS) % Reco	very				
PARAMETER	71	.707-57	71707-58	71707-59				
Trichloroethene,	ug/l	<5.0	104 %	48-145 %				
Dibromochlorometh	ane, ug/l	<5.0						
1,1,2-Trichloroet	hane, ug/l	<5.0						
Benzene, ug/l		<5.0	112 %	52-143 %				
cis-1,3-Dichlorop	ropene, ug/l	<5.0						
Bromoform, ug/l		<5.0						
2-Hexanone, ug/l		<25						
4-Methyl-2-pentan	one (MIBK), ug/l	. <25						
Tetrachloroethene	, ug/l	<5.0						
Toluene, ug/l		<5.0	106 %	57-134 %				
Chlorobenzene, ug	/1	<5.0	102 %	52-145 %				
Ethylbenzene, ug/		<5.0						
Styrene, ug/l		<5.0			•			
Xylenes, ug/l		<5.0						
Surrogate - Tolue	ne-d8	96 %	96 %	59-133 %				
Surrogate - 4-Bro	mofluorobenzene	96 %	98 %	60-136 %				
Surrogate - Dibro								
Date Analyzed			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

50000

Serial Mi----ber

	SA 8 E	NANNAH INVIRONMENT	SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.		X 5102 LaRc	SC 5102 LaRoche Avenue, Savannah, GA 31404 2846 Industrial Plaza Drive, Tallahassee, FL 32301 144 SW 19th Avenue Dearliald Reach Fl 33449	h, GA 31404 hassee, FL 32301	Phone: (912) 354-7858 Phone; (904) 878-3994 Phone: (954) 421-7400	Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (954) 421-2584	85 42 4
ANALY	'SIS REG	UEST AND C	ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD	CORD	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047	6693 Tampa, FL 33634 ehan, LA 70047	Phone: (304) 764-1100 Phone: (504) 764-1100	Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163	5 & 5 &
PROJECT R	PROJECT REFERENCE		PROJECT NO. P.O. NUMBER	ER						
453	į	25 Savenneth	Bramp		MATRIX		REQUIRED ANALYSES	YSES	PAGE OI	OFS.
PROJECT LOC.	\vdash	SAMPLER(s) NAME	VE 770	-441-1893	1 (1)	1 / / 90				
CA CA		Chris (temin	teming way FAX		J. JUENO.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \		_	
CLIENT NAME		·	ਤੁ			\ \ \		\ \ \	STANDARD	
200	(solder A	H550ciules	Chr15 1901	(B)	(<u>)</u>]	\ \ \		<i>'</i>	/ CANDELINERY	
OLIENTADI 373;	CLIENT ADDRESS (CITY, STATE, ZIP) 3730 Cham blac T	ENTADDRESS (CITY, STATE, ZIP) 3730 Cham bluc Tocker	er Ro Aflantin Gad	W S	TSTOS				EXPEDITED REPORT	ORT arge)
SAMPLE		-		100/2				/ / Da	Date Due:	
DATE	ME	NO.	SAMPLEIDENTIFICATION	/ <u>3/3/</u> 4/5		NUMBER OF CONTAINERS	AINERS SUBMITTED	ED	REMARKS	
3/26	01:6	-75	-(2	×						
,,) n	9:20	50.	~ (3	X						
	21.1p	- 75	41-	7						
4.	9:55	- 7.S	. (5	У						
	9,40	- 75	. 9)	×				3		
	9:50	51-17	1.7	×	-					
	00:01	5,	0/	×						
	10:15	56~	. 15	ړړ						
	10:25	56-	20	×	_					
	(1;00	\$	21	×	_					
	61:10	56-	22	×						
	11:20	35	23	×						
·>	11:23	Si	-24						l	
RELINGUIS	RELINGUISHED BY: (SIGMATURE)	CUM CLAS	DATE TIME RELINQUISHED	JISHED BY: (SIGNATURE)	IATURE)	J/27 13.40	RELINQUISHED BY: (SIGNATURE)	:(SIGNATURE)	DATE TIME	III
RECEIVED	RECEIVED BY: (SIGNATURE)	JRE)	DATE TIME RECEIVE	RECEIVED BY (SIGNATURE)	(JE)	Оуте тіме	RECEIVED BY: (SIGNATURE)	NATURE)	DATE TIME	Ш
				LABOF	LABORATORY USE ONLY	ONLY				
RECEIVED	FORLABORA	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE TIME	TODY INTACT	CUSTODY INTACT CUSTODY SEAL NO.	1	LABORATORY REMARKS:	REMARKS:		
	J W C	Nors	71 0:1	LYVES NO		10LU-15				
	レンス・シレ	2		₹	STATEMENT OF STREET, STATEMENT OF STATEMENT OF STREET, STATEMENT OF STATE	TOTAL SANSANIA SANSAN	AND THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRE			

19201

ber

Sena

EXPEDITED REPORT DELIVERY(surcharge) PAGE 2 OF 5 Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 TIME TIME Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (954) 421-2584 STANDARD REPORT DELIVERY REMARKS DATE DATE Date Due: Phone: (504) 764-1100 Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (954) 421-7400 Phone: (334) 666-6633 Phone: (813) 885-7427 RELINQUISHED BY: (SIGNATURE) LABORATORY REMARKS: RECEIVED BY: (SIGNATURE) REQUIRED ANALYSES NUMBER OF CONTAINERS SUBMITTED ☐ 900 Lakeside Drive, Mobile, AL 36693 ☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 ☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047 HMLWI 5102 LaRoche Avenue, Savannah, GA 31404
2846 Industrial Plaza Drive, Tallahassee, FL 32301 T 414 SW 12th Avenue, Deerfield Beach, FL 33442 POLITICE 02:20 TIME TIME CUSTODY INTACT | CUSTODY SEALNO. | SLLOG NO. 3-27 DATE DATE LABORATORY USE ONLY ď. 10109 TOTO TURNOS 1101 CINOIT MATRIX TYPE RELINQUISHED BY: (SIGNATURE) AND MALE ROLLING M RECEIVED BY: (SIGNATURE) く ٠ **ત્ર** ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD P.O. NUMBER SAVANNAH LABORATORIES CLIENT PROJECT MANAGER SAMPLEIDENTIFICATION & ENVIRONMENTAL SERVICES, INC. PHONE TIME TIME FAX PROJECT NO. FOR LABORATORY RY: (SIGNATURE) LDATE DATE DATE 34 4 ĺv 36 Œ 5 27-75 3 3 2 25 SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIP) RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) 요중 PROJECT REFERENCE 13,00 12:50 13:20 11:35 11:43 13:28 14:30 15,05 13710 12:40 TIME PROJECT LOC. (State) SAMPLE CLIENT NAME RECEIVED DATE 3/26

Serie ber 1920E

	SAI R & EN	ANNAH L	SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.	RIES		5102 LaP. 2846 Indu	5102 LaRoche Avenue, Savannah, GA 31404 2846 Industrial Plaza Drive, Tallahassee, FL 32301 414 SW 12th Avenue, Deerfield Beach, FL 33442	ıh, GA 31404 ıhassee, FL 32301 3each, FL 33442	Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (954) 421-7400	Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (954) 421-2584
ANALYSI	BEOL	JEST AND CH	ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD	ODY RECOF	ا	☐ 900 Lakes ☐ 6712 Ben ☐ 100 Alpha	─ 900 Lakeside Drive, Mobile, AL 36693─ 6712 Benjamin Road, Suite 100, Tampa, FL 33634─ 100 Alpha Drive, Suite 110, Destrehan, LA 70047	36693 Tampa, FL 33634 rehan, LA 70047	Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100	Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163
ROJECT REFERENCE	RENCE		PROJECT NO.	P.O. NUMBER		MATRIX		REQUIRED ANALYSES	LYSES	PAGE S OF S
ROJECT LOC. SAMPLER(s) NAME State)	SAMPLEI	R(s) NAME	PHONE			Ole Meyic	100/			
Cel Des	ر ا		CLIENT PROJECT MANAGER				109			STANDARD STANDARD STANDARD STANDARD STANDARD
CLIENT ADDRESS (CITY, STATE, ZIP)	s (CITY, S	TATE, ZIP)			SINISON SOLUTION SOLU		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			EXPEDITED REPORT DELIVERY(surcharge)
SAMPLE					1800 1800 1800 1800 1800 1800 1800 1800	NO.				Date Due:
DATE TI	TIME NO.		SAMPLE IDENTIFICATION		13/0/E	ÑO.	NUMBER OF CONT	NUMBER OF CONTAINERS SUBMITTED	red	REMARKS
3/27 8	8:30	51-BE	1-		*					
	00%	SL-BK	. 20		×					
3/27 11	50(11	VSL- 1-	,		V					
_	01:11	VSL-1-2	7		×					
3/27 11	51211	VSL-1-3	3		×			,		
3/26 97	04.6	Duplicuk	1-56		×	_				
3/26 11.	05:11	Duplicate	2-5C		X	-				
3/26 14	14:25	Orplicate	ئز۔ ج - يُال		×	-				
3/27 11	17:30	からして	1-2		*	-				
3123 11	: 35	USL - 2	2-2		×	-				
	0)-1)1	V5L -	2-3		×					
3/27 1	10:05	SP 1			×	5.4			3)	(1135
3/2.1 10	80:01	50-2	ı		*	*	h	PET INCHISUED BY: /SIGNATIBES	싁	0
RELINQUISHED BY: (SIGNATURE)	BY: (SIGN	JATURE)	DATE TIME	RELINQUISHE	HED'BY: (SIGNATURE)	VATURE)	DAIE IIME		r.(signalone)	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L L L L L L L L L L L L L L L L L L L	Ĺ	TIME	BECEIVED BY:	AY (SIGNATURE)	RE)) H	RECEIVED BY: (SIGNATURE)	GNATURE)	DATE TIME
RECEIVED BY: (SIGNALUHE)	(SIGNALU)	(ii)				Î.				
					LABO	LABORATORY USE ONLY	ONLY	OND ATOMA DE LA	COLUMBIC	
FECEWED FOI	LABORAT	FECENED FOR LABORATORY BY: (SIGNIATURE)	SE) PATE TIME) -	CUSTODY SEAL NO.	NO. SELCOGNO.			
	AVILLA	TXXX		\dashv			TJ 1			

Seri: ber 49200

Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (954) 421-2584	Fax. (334) 666-6696 Fax. (813) 885-7049 Fax. (504) 725-1163		PAGE 4 OFS		STANDARD REPORT DELIVERY	EXPEDITED REPORT DELIVERY(surcharge)		REMARKS		7-0109	7-01	610-T									-		DATE TIME			
Phone: (912) 354-7858 Fax Phone: (904) 878-3994 Fax Phone: (954) 421-7400 Fax		CL	SES				/ Date Due:			P5 64	109 94	10 C										olgival one)	ATURE)		EMARKS:	
=			REQUIRED ANALYSES					NTAINERS SUBMITTED													\dashv	KELINGUISHED BY: (SIGNALURE)	RECEIVED BY: (SIGNATURE)		LABORATORY REMARKS.	
5102 LaRoche Avenue, Savannah, GA 31404 CL 2846 Industrial Plaza Drive, Tallahassee, FL 32301 CL 3440 CL 3440	 ✓ 114 SW TZIN Avenue, Deerneid 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 	XIE		() () () () () () () () () ()	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1/20/20		NUMBER OF CONTAINERS													-	DATE TIME		ISF ONLY	SEALNO. SLLOGNO.	1 / 11 / 17
5105	OR(MATRIX	TYP			SITS OF THE STATE			, Y	K Ke011	X #eoff	H €00H	- - - -	×	~ ×	~ 'X	- x	- ×	¥	·-	J	IED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	AROBATORY USE ONLY	CUSTODY INTACT CUSTODY SEAL NO.	
ATORIES ES, INC.	ANALYSIS REQUEST AND CHAIN OF CUSTODY RECC	P.O. NUMBER		FAX	CLIENT PROJECT MANAGER			IFICATION													Ī	TIME RELINQUISHE	TIME RECEIVED B		TIME CUSTO	\frac{1}{2}
SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.	AND CHAIN OF (PROJECT NO.	-		CLIENT PROJ	(SAMPLEIDENTIFICATION	5f-3	y-95	56-5	36-6	Gw 2-1	6w 2-2	G-W2-3	Ges 2-4	GW 2-5	6. W. t.	6.4 2-7	(~w 2-8	2-Beat	DATE	DATE		(SIGNATURE) DUATE	1 / /
SAVANN SENVIRON	SIS REQUEST ≠	FERENCE		C. SAMPLEH(S) NAME	E	CLIENT ADDRESS (CITY, STATE, ZIP)		TIME NO.	9.55	9:25	9:35	4:55	(6,29)	07501	.sh(0)	62:50	35:01	11:05	11:00	100	3/25- 117.60	(ED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)		RECRIVED FOR LABORATORY BY/(SUSANATURE) DITATE	V 11/11 / 11/11
0	ANALYS	PROJECT REFERENCE		PROJECT LOC. (State)	CLIENT NAME	CLIENTADDR	SAMPLE	DATE	3/27 9	27		3/27 9	3/25	3/28			3/25 1		3/25	2/25	3/25	RELINGUISH	RECEIVEDBY	(RECEIVEDFO	_

Serial Minmer 192116

	S S	AVANNAH ENVIRONMEN	SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.	5102 La 2846 lnc 414 SW	5102 LaRoche Avenue, Savannah, GA 31404 2846 Industrial Plaza Drive, Tallahassee, FL 32301 414 SW 12th Avenue. Deerfield Beach, FL 33442	Phone: (912) 354-7858 11 Phone: (904) 878-3994 Phone: (954) 421-7400	Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (954) 421-2584
ANALYS	IS REC	QUESTAND	ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD	_	☐ 900 Lakeside Drive, Mobile, AL 36693 ☐ 6712 Benjamin Road, Suite 100, Tampa, FL 33634 ☐ 100 Alpha Drive, Suite 110, Destrehan, LA 70047	Phone: (334) 4 Phone: (813) Phone: (504)	Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163
PROJECT REFERENCE	ERENCE		PROJECT NO. P.O. NUMBER	VIGTAM			
				MALKIX	REQUIREDANALYSES	ANALYSES	PAGE_S OF_S
PROJECT LOC. (State)	SAMP	SAMPLER(s) NAME	PHONE	Q a TUBAJU	150		
CLIENT NAME			CLIENT PROJECT MANAGER	08 110 011			STANDARD REPORT DELIVERY
CLIENT ADDRESS (CITY, STATE, ZIP)	DRESS (CITY	(,STATE, ZIP)					EXPEDITED REPORT
CAMPIE					/ PR/SEB/VATVVE		Date Due:
DATE	₩ W	NO.	SAMPLEIDENTIFICATION	100 NOV	NUMBER OF CONTAINERS SUBMITTED	MITTED	REMARKS
3/27 1	13:30	5-0-5	2	X 3			
23	14:00	S-WW	5	K			
3/27 /	13,73	,Q	O	×		3	
	(1,000	11:00	water	×		7.7	ofter Gw. 2, and only
			Blank .	-X3	And the second s	<u> </u>	you have hills
						7)	or cull first)
RELINQUISHED BY: (SIGNATURE)	ED BY: (SI	GNATURE)	DATE TIME RELINQUISH	RELANQUISHED BY: (SIGNATURE)	DATE TIME RELINQUISH	RELINQUISHED BY: (SIGNATURE)	DATE TIME
RECEIVED BY: (SIGNATURE)	r: (SIGNAT	rure)	DATE TIME RECEIVED BY	RECEIVED BY: (SIGNATURE)	TIME	RECEIVED BY: (SIGNATURE)	DATE TIME
				LABORATORY USE ONLY	EONLY		
PECEWEDF	OR LABOF	PECEVED FOR LABORATORY BY-181GNATURE.	SPATE TIME C	15	SLLOGNO.	LABORATORY REMARKS:	
			10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NO S	21.11.		

LOG NO: S7-71707A Received: 05 JUN 97 Reported: 09 JUN 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 11577069

REPORT OF RESULTS

								- 490 -
LOG NO	SAMPLE	DESCRIPTION	, SOLID	OR	SEMISOLID	SAMPLES	DATE/ TIME SAMPLE	:D
71707A-1 71707A-2 71707A-3 71707A-4	SL-12 SL-20 SL-31 SL-35						03-26-97/09 03-26-97/10 03-26-97/13 03-26-97/14	25 05
PARAMETER					71707A-1	71707A-2	71707A-3	71707A-4
Beryllium (G Beryllium Preparation Date Analys Dilution for Batch ID Percent Sol	(6010), n Date zed actor				<0.61 06.05.97 06.06.97 1.0 0605M 82 %	06.05.97	06.06.97 1.0	

LOG NO: S7-71707A Received: 05 JUN 97 Reported: 09 JUN 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 14167069

LOG NO	SAMPLE	DESCRI	PTION	, LIQUID SA	MPLES		DATE/ TIME SAMPLE	D
71707A-5 71707A-6 71707A-7 71707A-8	SL-20 ((Shake (Shake	Water Water				06-23-97/09: 03-26-97/10: 03-26-97/13: 03-26-97/14:	25 05
PARAMETER					71707A-5	71707A-6	71707A-7	71707A-8
Lead (6010) Lead (6010) Preparation Date Analyz Dilution fa	, mg/l n Date zed	·			06.06.97 06.06.97 1.0	06.06.97 06.06.97 1.0	0.0078 06.06.97 06.06.97 1.0 0606A	06.06.97 06.06.97 1.0
Beryllium (6 Beryllium 6 Preparation Date Analyz Dilution fa Batch ID	(6010), n Date zed	mg/l				<0.0050 06.06.97 06.06.97 1.0	<0.0050 06.06.97 06.06.97	<0.0050 06.06.97 06.06.97 1.0
Shake-Water Percent Sol Sample Weig Final pH, m Date Extrac	ids (16 jht (g) ng/l			5)	100 70 8.20	100 70 6.60	100	100 70 6.40

LOG NO: S7-71707A Received: 05 JUN 97 Reported: 09 JUN 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 11577069

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR	SOLID/SEMISOLID		
71707A-9 71707A-10 71707A-11	Method (Lab) Blank Lab Control Standard % Recovery LCS Accuracy Control Limit (%R)			
PARAMETER			71707A-10	71707A-11
Beryllium (6010)			
	(6010), mg/kg dw	<0.50	99 %	70-130 %
Preparation	n Date	06.05.97		
Date Analy	zed	06.09.97		
Dilution f	actor .	1.0		
Batch ID		0605M		

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

LOG NO: S7-71707A Received: 05 JUN 97 Reported: 09 JUN 97

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

Project: 953-3825.003/BRAMPTON ROAD

Sampled By: Client

Code: 11577069

REPORT OF RESULTS

Page 4

	QC REPORT FOR LIQUID SAMPLES					
71707A-12 Extract Fluid Method						
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 &. McLeod, Project Manager

PAGE 4 OF 3 EXPEDITED REPORT TIME Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 Fax: (954) 421-2584 TIME STANDARD - REPORT DELIVERY REMARKS -7C-DATE -0107 Date Due: 40 Phone: (904) 878-3994 Phone: (954) 421-7400 Phone: (334) 666-6633 Phone: (504) 764-1100 Phone: (813) 885-7427 Phone: (912) 354-7858 RELINQUISHED BY: (SIGNATURE) 🐇 REQUIRED ANALYSES RECEIVED BY: (SIGNATURE) NUMBER OF CONTAINERS SUBMITTED . . . 2846 Industrial Plaza Drive, Tallahassee, FL 3230 67,12 Benjamin Road, Suite 100, Tampa, FL 33634 1414 SW 12th Avenue, Deerfield Beach, FL 33442 900 Lakeside Drive, Mobile, AL 36693 pha Drive, Suite 110, Destrehan, LA 70047 5102 LaRoche Avenue, Savannah, GA 31404 15,50 . . TIME TIME DATE · 一 RELINQUISHED BY: (SIGNATURE) RECEIVED BY (SIGNATURE) **美国的一种教育** が記れる Š Z ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD P.O. NUMBER SAVANNAH LABORATORIES CLIENT PROJECT MANAGER SAMPLE IDENTIFICATION & ENVIRONMENTAL SERVICES, INC. FAX PHONE TIME TIME PROJECT NO. 6-2 BJ SW 2-1 DATE G-627 1531 シープ ', 3 EMPTY CONTAINERS EMPTY CONTAINERS CLIENT ADDRESS (CITY, STATE, ZIP) 🔆 SAMPLER(s) NAME LINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) <u>る</u>こ、、 REFERENCE 5516 75.61 (6:3) 50:11 01, 01 TIME SAMPLE CLIENT NAME 3/27 3/27 DATE 7. ښ State)

PAGE 2 OF 5 EXPEDITED REPORT DELIVERY(surcharge) Fax: (912) 352-0165 Fax: (904) 878-9504 Fax: (334) 666-6696 Fax: (813) 885-7049 Fax: (504) 725-1163 TIME TIME Fax: (954) 421-2584 STANDARD REPORT DELIVERY REMARKS DATE ではおいまする Date Due: を記述 Phone: (912) 354-7858 Phone: (904) 878-3994 Phone: (334) 666-6633 Phone: (813) 885-7427 Phone: (504) 764-1100 Phone: (954) 421-7400 104 RECEIVED BY, (SIGNATURE) 三 1000円 REQUIREDANALYSES 36 NUMBER OF CONTAINERS SUBMITTED "PR/SER/VAT/VE" SQI SQI 2846 Industrial Plaza Drive, Tallahassee, FL 3230 1414 SW:12th Avenue, Deerfield Beach, FL 33442 00 Alpha Drive, Suite 110, Destrehan, LA 70047 5102 LaRoche Avenue: Savannah, GA 31404 神経のは TIME 調整製 10 Test // 题/ 発力を記るとは が悪ツ (2) (2) (3) (3) (3) 100 ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD P.O. NUMBER RECEIVED SAMPLEIDENTIFICATION SAVANNAH LABORATORIES CLIENT PROJECT MANAGER . FAX & ENVIRONMENTAL SERVICES, INC. TIME TIME 56 DATE PROJECT NO. SL-25 との下った。 5.6 DATE 3 00 **6** EMPTY CONTAINERS RECEIVED BY: (SIGNATURE) SAMPLER(s) NAME CLIENT ADDRESS (CITY, STATE, ZIP) () (A ROJECT REFERENCE TIME 15.05 1>728 14.50 11:35 Ġ 13,00 37.0 SAMPLE CLIENT NAME PROJECT LOC. DATE State)

165 504 584 696 163	OF S	144. 111.	۵ 、	PORT	·			:							-			-		TIME	TIME		
Fax. (912) 352-0165 Fax. (904) 878-5954 Fax. (954) 421-2584 Fax. (334) 666-6696 Fax. (813) 885-7049 Fax. (504) 725-1163	PAGE [STANDARD REPORT DELIVERY	EXPEDITED REPORT		REMARKS			Production of the control of the con								対象の利			DATE TII	DATE	加製術面	
					Date Due:	後還				物版第	100 Mg					海沟镇							
(912) 354-7858 (912) 354-7858 (954) 421-7400 (334) 666-6633 (813) 885-7427 (504) 764-1100								1. Sec. 1	明朝 調養家											TURE)	0		(S)
Phone: (Phone: Phone: P	ALYSES					TED	える								秦川縣	等的 強勢	等			3Y: (SIGNATURE)	RECEIVED BY: (SIGNATURE)		// FIEMABI
1404 FL 32301 L 33442 FL 33634 A 70047	REQUIRED ANALYSES				/\ne_/	SUBMITTED					國 三 縣鎮				新工程				图 医阴道	RELINQUISHED BY	/EDBY: (S		ORATOR
h, GA 314 hassee, Fl seach, FL 6693 Tampa, Fl ehan, LA	REQUI			\	RR/SER/VAT/VE	AINERS		湖南河									推测的			RELING	RECEIN) j
, Savannah, GA orivi, Tallahasse Deerrield Beach, oblie, AL 36693 Suite 100, Tamp 110, Destrehan,			/ /		PR/S	JF CONT		海海		調的								製 製御	新	TIME /7.40	TIME		
5102 LaRoche Avenue, Savannah, GA 31404 2846 Industrial Plaza Drive, Tallahassee, FL 3230 414 SW 12th Avenue, Deerfield Beach, FL 3342 900 Lakeside Drive, Mobile, AL 36693 6712 Behjamin Róad, Suite 100, Tampa, FL 3363 100 Alpha Drive, Sulte 110, Destrehan, LA 70047	ANCE OF	/////				NUMBER OF CONTAINERS		雅 神		翻網			推翻			新加黎西 梅	"我们		辦權 新規	DATE 3		NEXE	
5102 LaRoch 2846 Industri 414 SW 12th 900 Lakeside 67 12 Behjam 100 Apha Dr	MATRIX			\\ '2	/編集//	Z		(城下)					關準	制制制	188	中國國			學等數			NOSEION	Weiszun)
% 0000	M.	N		ITSTO DSTWS	300					刺鄉		新鄉村	劉斯斯	。	10000000000000000000000000000000000000	14 14 14 15		欄網		VATURE)	RE) 244	<u> VABORIATIOR YAUSI</u>	COSTOD
Q.		1893	7			19/0/8	奈彦		N X	N A		東東	×		×	×	海溪縣		**	BY: (SIGN	BIGNATURE	(IVABO)	
AECO!		770-496-1		¥ 5	L			建 。 [4]	源三數		多三個					制。	基件问题已		網絡小鐵	INOUISHED	RECEIVED BY		回 SB大山
ORIES VC. TODY I	3	VE 770	ANAGER		ない。	NOL	語等以	物。海绵鳞。宋是	医食物 医中枢体制 医		编一座。			W . 18		的。据得维存和。	源。汽车			-17	Table 18		
ICES, II		PHONE	SOJECT M	V	1114	NTIFICA		9 4	1. S. C.											S C'C	TIME		
LABOR, SERVICE HAIN OF C	" (Bra	200	Chris Paler	. 6		PLEIDE		3	رم: ﴿ ﴿	\$	9	7 影	8	9	9		無りる	3.	100 × 1) 3 <u>3</u> 21,	DAT		
MENTA NND CH	Jenre	SAMPLER(s) NAME C(1, 1, 1, 5) (+CW), 1, 4, \square 3	260	3		3 SAMPLE IDENTIFICATION	いった。	1150-13	1-75	51-15	17:35	SC 317	56-18	61-25	52-25	125.25	17.25 × 11.	£2-25	50-24	RIKED	ERS		SIGNATURE)
VANN VVIRON JEST A	5 54	SAMPLER(s) NAME Chris (+ch	17059	TATE, ZIP																ATVRE) VTOLIN			
SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC. ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORI		SAMPLE	7	CLIENT ADDRESS (CITY, STATE, ZIP) 1.1. **		TIME	01.6	9:20	32.6	9.35	91.16	9.50	0.6.01	10:15	33	// 00	1:10	02:11	11:27	KENVIDENCE ON FOLINE (80) 326	RECEIVED BY (SIGNATURE) ENTRY CONTAINERS		HLABORATO
ALYSIS	953	PROJECT LOC. (State)	CLIENT NAME	IT ADDRES	SAMPIF	DATE	(b) 277		6	4.6		16 震	Of Stanfall	9	2/			16年	11	OUISHED VIPT	WED BY:		WED FOR
AN		PROJE (State)	р П	임	ノ ・	PΑ	3/2		No.		10000000000000000000000000000000000000		5 A					***			7 분분		

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):

MESSAGE:

sample out of-held date

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

0

The documents(s) with this transmission are only for recipient(s) named above and contain privileged/confidential information. Unauthorized disclosure, dissemination, or copying of this transmission is strictly prohibited. If received in error, please destroy. Questions/problems with transmission: contact the receptionist at (770) 496-1893.

FACSIMILE TRANSMISSION

GOLDER ASSOCIATES INC.

3730 CHAMBLEE TUCKER ROAD ATLANTA, GEORGIA 30341 USA

TELEPHONE NO. (770) 496-1893 FAX No. (770) 934-9476

Date:

June 5, 1997

JOB No.:

FAX No.:

912-352-0165

953-3825

TO:

· Savannah Labs

ATTN:

Lisa McCloud

FR:

Chris Paul

Jan

RE:

SAMPLES FOR LEACHING FOR LEAD

Hard Copy to Follow: ☐ Yes ☑ No

Total 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) 580

 SL-1
 580

 SL-3
 930

 SL-4
 690

 SL-6
 480

 SL-31
 470

 SL-35
 960

51-12 DUL-615/47

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

Kathum E. Water

Project Manager

CHAIN OF CUSTODY

4018061

Work Order:

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

No # of Containers 7 7 Al III II I Same Day Rush (auth req.) E your results, place bottle to check on the status of Turnaround Time Request www.aesatlanta.com Standard 5 Business Days Fax? Y/N Next Business Day Rush Visit our website 2 Business Day Rush Total # of Containers orders, etc. STATE PROGRAM (if any): REMARKS DATA PACKAGE: E-mail? Y/N; Date: 3/8/12 0000 139 Bampton Rud Populy ANALYSIS REQUESTED PROJECT INFORMATION PRESERVATION (See codes) EON Swamp TA 614 09 020 协 th ₩ INVOICE TO: (IF DIFFERENT FROM ABOVE) 44 VN SEND REPORT TO PROJECT NAME ireg8 क्य SITE ADDRESS: -197 PROJECT #: bH 汨 QUOTE #: 74 570/ DATE/TIME ž Matrix (See codes) Z 550 CLIENT FedEX UPS MAIL COURIER Composite SHIPMENT METHOD Grab OTHER 391 Phshs Are 404 811043 SIGNATURE. 797 FRIT ST TIME GREYHOUND 130 25.7 3 1300 1109 SAMPLED RECEIVED BY DATE 3/1/2 3/8/12 3/8/12 0UT Z. DATE/TIME SAMPLE ID SPECIAL INSTRUCTIONS/COMMENTS 404817 0153 SAMPLED BY: Tyke Trio Blund 用とし 4-M3 EW-2 5-5 AMEL トスク ELINOUISHED BY OMPANY 10 12 13

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:

O = Other (specify) NA = None
White Copy - Original, Yellow Copy - Client

Client: AMEC E&I, Inc.

Project: 139 Brampton Road Property

Case Narrative

Date:

16-Mar-12

Lab ID: 1203706

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.

Client: AMEC E&I, Inc. Client Sample ID: EW-2

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 11:30:00 AM

Date:

16-Mar-12

Lab ID: 1203706-001 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260	В			(SV	V5030B)			
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:

Narr See case narrative

^{*} 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

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: EW-2

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 11:30:00 AM

Date:

16-Mar-12

Lab ID: 1203706-001 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW82601	3			(SW	/5030B)			
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				(SW	/3005A)			
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				(SW	/7470A)			
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:48	LD
Mercury, Dissolved SW7470A				(SW	/7470A)			
Mercury	BRL	0.00020		mg/L	158903	1	03/14/2012 16:03	LD
METALS, TOTAL SW6010C				(SW	/3010A)			
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:

BRL Below reporting limit

Narr See case narrative
NC Not confirmed

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

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

Date:

16-Mar-12

Lab ID: 1203706-002 Matrix: Groundwater

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
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				(SV	V5030B)			
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 ug/L	158879	1	03/13/2012 14:44	SB
Isopropylbenzene		BRL	5.0		ug/L ug/L	158879	1	03/13/2012 14:44	SB
m,p-Xylene		BRL	5.0		ug/L ug/L	158879	1	03/13/2012 14:44	SB
Methyl acetate		BRL	5.0		ug/L ug/L	158879	1	03/13/2012 14:44	SB
Methyl tert-butyl ether		BRL	5.0		ug/L ug/L	158879	1	03/13/2012 14:44	SB
Memyr tert-outyr ether		DKL	5.0		ug/L	1300/9	1	03/13/2012 14.44	SD

Qualifiers:

Narr See case narrative
NC Not confirmed

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

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

Date:

16-Mar-12

Lab ID: 1203706-002 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW	(5030B)			
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				(SW	9030B)			
Sulfide	BRL	2.00		mg/L	158894	1	03/13/2012 13:50	AS
METALS, DISSOLVED SW6010C				(SW	/3005A)			
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				(SW	7470A)			
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:50	LD
Mercury, Dissolved SW7470A				(SW	7470A)			
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-RS	K 175			(RS	K175)			
Ethane	BRL	9		ug/L	158866	1	03/13/2012 11:12	SN

Qualifiers:

BRL Below reporting limit

Narr See case narrative
NC Not confirmed

Less than Result value

Estimated value detected below Reporting Limit

^{*} Value exceeds maximum contaminant level

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

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

Date:

16-Mar-12

Lab ID: 1203706-002 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
GC Analysis of Gaseous Samples SC	OP-RSK 175			(RS	K175)			
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				(SV	/3010A)			
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

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

Date:

16-Mar-12

Lab ID:1203706-003Matrix:Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Total Organic Carbon (TOC) SW90	060A							
Organic Carbon, Total	1.29	1.00		mg/L	R216739	1	03/09/2012 12:58	GR
TCL VOLATILE ORGANICS SW8	260B			(SV	V5030B)			
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 ug/L	158879	1	03/13/2012 15:13	SB
Carbon tetrachloride	BRL	5.0		ug/L ug/L	158879	1	03/13/2012 15:13	SB
Chlorobenzene	BRL	5.0		ug/L ug/L	158879	1	03/13/2012 15:13	SB
Chloroethane	BRL	10		ug/L ug/L	158879	1	03/13/2012 15:13	SB
Chloroform	BRL	5.0		ug/L ug/L	158879	1	03/13/2012 15:13	SB
	BRL	10		ug/L ug/L	158879	1	03/13/2012 15:13	SB
Chloromethane	BRL	5.0		ug/L ug/L	158879		03/13/2012 15:13	SB
cis-1,2-Dichloroethene	BRL	5.0		ug/L ug/L	158879	1		
cis-1,3-Dichloropropene						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:

Narr See case narrative
NC Not confirmed

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

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

Date:

16-Mar-12

Lab ID:1203706-003Matrix:Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW	(5030B)			
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				(SW	(9030B)			
Sulfide	BRL	2.00		mg/L	158894	1	03/13/2012 13:50	AS
METALS, DISSOLVED SW6010C				(SW	(3005A)			
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				(SW	7470A)			
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:52	LD
Mercury, Dissolved SW7470A				(SW	7470A)			
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-RSI	X 175			(RS	K175)			
Ethane	BRL	9		ug/L	158866	1	03/13/2012 11:17	SN

Qualifiers:

BRL Below reporting limit

Narr See case narrative
NC Not confirmed

^{*} Value exceeds maximum contaminant level

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

Less than Result value

J Estimated value detected below Reporting Limit

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

Date:

16-Mar-12

Lab ID: 1203706-003 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
GC Analysis of Gaseous Samples SO	P-RSK 175			(RS	K175)			
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				(SW	/3010A)			
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

Client: AMEC E&I, Inc. Client Sample ID: GW-7

Project Name: 139 Brampton Road Property Collection Date: 3/8/2012 12:08:00 PM

Date:

16-Mar-12

Lab ID: 1203706-004 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW	/8260B			(SV	V5030B)			
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		03/13/2012 15:41	SB
m,p-Xylene	230	5.0		ug/L	158879		03/13/2012 15:41	SB
Methyl acetate	BRL	5.0		ug/L	158879		03/13/2012 15:41	SB
Methyl tert-butyl ether	BRL	5.0		ug/L	158879		03/13/2012 15:41	SB
Methylcyclohexane	BRL	5.0		ug/L	158879		03/13/2012 15:41	SB
Methylene chloride	BRL	5.0		ug/L	158879		03/13/2012 15:41	SB
o-Xylene	BRL	5.0		ug/L	158879		03/13/2012 15:41	SB

Qualifiers:

BRL Below reporting limit

Narr See case narrative
NC Not confirmed

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GW-7

Project Name: 139 Brampton Road Property Collection Date: 3/8/2012 12:08:00 PM

Lab ID: 1203706-004 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW	/5030B)			
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				(SW	/3005A)			
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				(SW	/7470A)			
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:53	LD
Mercury, Dissolved SW7470A				(SW	/7470A)			
Mercury	BRL	0.00020		mg/L	158903	1	03/14/2012 16:18	LD
METALS, TOTAL SW6010C				(SW	/3010A)			
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:

BRL Below reporting limit

Date:

16-Mar-12

Narr See case narrative
NC Not confirmed

Less than Result value

Estimated value detected below Reporting Limit

^{*} Value exceeds maximum contaminant level

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

Client: AMEC E&I, Inc. Client Sample ID: EW-1

Project Name:139 Brampton Road PropertyCollection Date:3/8/2012 1:00:00 PM

Lab ID:1203706-005Matrix:Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Total Organic Carbon (TOC) SW906	0A							
Organic Carbon, Total	BRL	1.00		mg/L	R216739	1	03/09/2012 13:19	GR
TCL VOLATILE ORGANICS SW820	60B			(SV	V5030B)			
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:

BRL Below reporting limit

Date:

16-Mar-12

Narr See case narrative
NC Not confirmed

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

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:1203706-005Matrix:Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260B				(SW	/5030B)			
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				(SW	/9030B)			
Sulfide	BRL	2.00		mg/L	158894	1	03/13/2012 13:50	AS
METALS, DISSOLVED SW6010C				(SW	/3005A)			
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				(SW	/7470A)			
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:55	LD
Mercury, Dissolved SW7470A				(SW	/7470A)			
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-RSI	X 175			(RS	K175)			
Ethane	BRL	9		ug/L	158866	1	03/13/2012 12:11	SN

Qualifiers:

BRL Below reporting limit

Date:

16-Mar-12

Narr See case narrative
NC Not confirmed

J Estimated value detected below Reporting Limit

^{*} Value exceeds maximum contaminant level

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

Less than Result value

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:1203706-005Matrix:Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
GC Analysis of Gaseous Samples SOP	-RSK 175			(RS	K175)			
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				(SW	/3010A)			
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)

Date:

16-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Client:AMEC E&I, Inc.Client Sample ID:TRIP BLANKProject Name:139 Brampton Road PropertyCollection Date:3/8/2012

Project Name: 139 Brampton Road Property Collection Date: 3/8/2012

Lab ID: 1203706-006 Matrix: Groundwater

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS S	W8260B				(SV	V5030B)			
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)

Date:

16-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative

- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: TRIP BLANK

Project Name: 139 Brampton Road Property

Collection Date: 3/8/2012

Project Name:139 Brampton Road PropertyCollection Date:3/8/2012Lab ID:1203706-006Matrix: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		

Date:

16-Mar-12

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

Sample/Cooler Receipt Checklist

Client AMEC		Work Order Number	1203706
Checklist completed by	She		
Carrier name: FedEx UPS Courier Client US	S Mail Other	r	
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 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 Applicabl	e
Water - VOA vials have zero headspace? No VOA vials su	bmitted	Yes No	
Water - pH acceptable upon receipt?	Yes	No Not Applicabl	e
,		cked by	
Sample Condition: Good Other(Explain)			-
(For diffusive samples or AIHA lead) Is a known blank includ	ed? Yes	No. /	

See Case Narrative for resolution of the Non-Conformance.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklists

^{*} Samples do not have to comply with the given range for certain parameters.

Client: AMEC E&I, Inc.

Project: 139 Brampton Road Property

Lab Order: 1203706

Dates Report

Date: 16-Mar-12

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

Date: 16-Mar-12

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

Date:

16-Mar-12

Sample ID: MB-158805 SampleType: MBLK	Client ID: TestCode: MI	ETALS, TOTAL S	W6010C		Uni Bat	its: mg/L chID: 158805	_	Date: 03/12 lysis Date: 03/12		Run No: 216894 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

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 associated method blank

H Holding times for preparation or analysis exceeded

16-Mar-12 Date:

Client: AMEC E&I, Inc.

139 Brampton Road Property **Project Name:**

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158805

Sample ID: LCS-158805 SampleType: LCS	Client ID: TestCode:	METALS, TOTAL	SW6010C		Uni Bat	ts: mg/L chID: 158805		ep Date: 03/ alysis Date: 03/	/12/2012 /12/2012	Run No: 216894 Seq No: 4534543
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	l %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 SampleType: MS	Client ID: TestCode:	METALS, TOTAL	SW6010C		Uni Bat	ts: mg/L chID: 158805		ep Date: 03/	/12/2012 /12/2012	Run No: 216894 Seq No: 4534548
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	l %RPD	RPD Limit Qual

Qualifiers:

Greater than Result value

BRL Below reporting limit

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 associated method blank

H Holding times for preparation or analysis exceeded

16-Mar-12 Date:

Client: AMEC E&I, Inc.

139 Brampton Road Property

Workorder: 1203706

Project Name:

ANALYTICAL QC SUMMARY REPORT

BatchID: 158805

Sample ID: 1203695-003CMS	Client ID: TestCode:	METALS, TOTAL	SW6010C		Un	its: mg/L tchID: 158805		Date: 03/12		Run No: 216894
SampleType: MS	resicode:	METALS, TOTAL	34400100		Ва	ichid: 158805	Апа	lysis 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
rsenic	0.9730	0.0500	1	0	97.3	75	125	0	0	0
arium	1.017	0.0200	1	0.05910	95.8	75	125	0	0	0
eryllium	0.9654	0.0100	1	0	96.5	75	125	0	0	0
admium	0.9706	0.0050	1	0	97.1	75	125	0	0	0
alcium	26.91	0.100	10	17.19	97.1	75	125	0	0	0
hromium	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
opper	0.9639	0.0100	1	0	96.4	75	125	0	0	0
on	9.770	0.100	10	0.1718	96	75	125	0	0	0
ead	0.9581	0.0100	1	0.001987	95.6	75	125	0	0	0
lagnesium	19.15	0.100	10	9.814	93.3	75	125	0	0	0
langanese	5.855	0.0150	1	4.931	92.4	75	125	0	0	0
lolybdenum	0.9749	0.0500	1	0	97.5	75	125	0	0	0
ickel	0.9543	0.0200	1	0.002258	95.2	75	125	0	0	0
otassium	14.00	0.500	10	3.284	107	75	125	0	0	0
elenium	0.9738	0.0200	1	0.005735	96.8	75	125	0	0	0
ilver	0.09642	0.0100	0.1	0	96.4	75	125	0	0	0
odium	21.06	1.00	10	8.999	121	75	125	0	0	0
hallium	0.9160	0.0200	1	0	91.6	75	125	0	0	0
anadium	0.9670	0.0100	1	0	96.7	75	125	0	0	0
inc	0.9717	0.0200	1	0.007658	96.4	75	125	0	0	0
Sample ID: 1203695-003CMSD	Client ID:				Un	its: mg/L	Prep	Date: 03/12	/2012	Run No: 216894
SampleType: MSD	TestCode:	METALS, TOTAL	SW6010C		Bat	tchID: 158805	Ana	lysis 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

BRL Below reporting limit

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158805

Date:

16-Mar-12

Sample ID: 1203695-003CMSD SampleType: MSD	Client ID: TestCode:	METALS, TOTAL SV	V6010C		Uni Bat	its: mg/L chID: 158805		Date: 03/12 lysis Date: 03/12		Run No: 216894 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Date: 16-Mar-12

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:	METALS DISSOLVED	CWCOAAC		Un			1	13/2012	Run No: 216940
SampleType: MBLK	TestCode:	METALS, DISSOLVED	SW6010C		Bat	tchID: 158860	An	alysis Date: 03/1	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 SampleType: LCS	Client ID: TestCode:	METALS, DISSOLVED	SW6010C		Un Bat	its: mg/L tchID: 158860		ep Date: 03/1 alysis Date: 03/1	13/2012 13/2012	Run No: 216940 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:				Un	its: mg/L	Pre	p Date: 03 /1	13/2012	Run No: 216940
SampleType: MS	TestCode:	METALS, DISSOLVED	SW6010C		Bat	tchID: 158860	An	alysis Date: 03/1	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 val	ue		< Less than Result value				В	Analyte detected in the a	ssociated method	blank
BRL Below reporting limit			E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded					exceeded		
J Estimated value detect	ted below Reporting	g Limit		yte not NELAC certified			R	RPD 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

Date:

16-Mar-12

Sample ID: 1203706-001CMS SampleType: MS	Client ID: TestCode:	EW-2 METALS, DISSOLVED	SW6010C		Uni Bat	its: mg/L chID: 158860		Date: 03/13 lysis Date: 03/13	/2012 /2012	Run No: 216940 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 SampleType: MSD	Client ID: TestCode:	EW-2 METALS, DISSOLVED	SW6010C		Uni Bat	its: mg/L chID: 158860		Date: 03/13 lysis Date: 03/13	/2012 /2012	Run No: 216940 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

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 associated method blank

H Holding times for preparation or analysis exceeded

16-Mar-12 Date:

Client: AMEC E&I, Inc.

139 Brampton Road Property

Workorder: 1203706

Project Name:

ANALYTICAL QC SUMMARY REPORT

BatchID: 158866

Sample ID: MB-158866 SampleType: MBLK	Client ID: TestCode:	GC Analysis of Gaseous	Samples SOP-F	RSK 175	Un Bat	its: ug/L tchID: 158866	•	Date: 03/13 lysis Date: 03/13	5/2012 5/2012	Run No: 216900 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 SampleType: LCS	Client ID: TestCode:	GC Analysis of Gaseous	Samples SOP-F	RSK 175	Un Bat	its: ug/L tchID: 158866		Date: 03/13 lysis Date: 03/13	5/2012 5/2012	Run No: 216900 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 SampleType: LCSD	Client ID: TestCode:	GC Analysis of Gaseous	Samples SOP-F	RSK 175	Un Bat	its: ug/L tchID: 158866	1	Date: 03/13 lysis Date: 03/13	5/2012 5/2012	Run No: 216900 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 SampleType: MS	Client ID: TestCode:	GC Analysis of Gaseous	Samples SOP-F	RSK 175	Un Bat	its: ug/L tchID: 158866		Date: 03/13 lysis Date: 03/13	5/2012 5/2012	Run No: 216900 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

> BRL Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below 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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158866

Date:

16-Mar-12

Sample ID: 1203449-001AMSD SampleType: MSD	Client ID: TestCode: GC Analysis of Gaseous Samples SOP-RSK 175				Uni Bat	ts: ug/L chID: 158866		Prep Date: 03/13/2012 Analysis Date: 03/13/2012		Run No: 216900 Seq No: 4534863	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual	
Ethane	118.2	9	200	0	59.1	38.9	115	118.5	0.214	20	
Ethylene	77.41	7	200	0	38.7	23.1	115	77.44	0.036	20	
Methane	129.0	4	200	0	64.5	38.4	115	128.8	0.17	20	

Qualifiers: > Greater than Result value

BRL Below reporting limit

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158879

Date:

16-Mar-12

Sample ID: MB-158879 SampleType: MBLK	Client ID: TestCode: TCL VOLATILE ORGANICS SW8260B					ts: ug/L chID: 15887		Date: 03/13 lysis Date: 03/13		Run No: 216884 Seq No: 4534414	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Lim	it 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158879

Date:

16-Mar-12

Sample ID: MB-158879 Sample Type: MBLK	Client ID: TestCode: TCL VOLATILE ORGANICS SW8260B					its: ug/L tchID: 158879		Date: 03/13/ lysis Date: 03/13/		Run No: 216884 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158879

Date:

16-Mar-12

Sample ID: LCS-158879 SampleType: LCS	Client ID: TestCode: TCI	VOLATILE ORGA	ANICS SW8260	В	Uni Bat	its: ug/L schID: 158879		Date: 03/13 lysis Date: 03/13	3/2012 3/2012	Run No: 216884 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 SampleType: MS	Client ID: TestCode: TCI	. VOLATILE ORGA	ANICS SW8260	В	Uni Bat	its: ug/L cchID: 158879	•	Date: 03/13 lysis Date: 03/13	3/2012 3/2012	Run No: 216884 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-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
Coluene	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 SampleType: MSD	Client ID: TestCode: TCI	. VOLATILE ORGA	ANICS SW8260	В	Uni Bat	its: ug/L cchID: 158879		Date: 03/13 lysis Date: 03/13	3/2012 3/2012	Run No: 216884 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-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							Н	Analyte detected in the as: Holding times for prepara RPD outside limits due to	tion or analysis	

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158879

Date:

16-Mar-12

Sample ID: 1203973-001AMSD	Client ID:				Uni	its: ug/L	Prep	Date: 03/13/	/2012	Run No: 216884	
SampleType: MSD	TestCode: TC	TestCode: TCL VOLATILE ORGANICS SW8260B					Ana	lysis 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158894

Date:

16-Mar-12

Sample ID: MB-158894 SampleType: MBLK	Client ID: TestCode:	Sulfide by SW9030B/9034			Un Bat	its: mg/L tchID: 158894		ep Date: 03/1 alysis Date: 03/1	2/2012 3/2012	Run No: 216947 Seq No: 4535690
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC		High Limit	RPD Ref Val	%RPE	-
Sulfide	BRL	2.00	0	0	0	0	0	0	0	0
Sample ID: LCS-158894 SampleType: LCS	Client ID: TestCode:	Sulfide by SW9030B/9034			Un Bat	its: mg/L tchID: 158894		•	2/2012 3/2012	Run No: 216947 Seq No: 4535691
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qua
Sulfide	392.0	2.00	392	0	100	40	120	0	0	0
Sample ID: 1203569-001DMS SampleType: MS	Client ID: TestCode:	Sulfide by SW9030B/9034			Un Bat	its: mg/L tchID: 158894		ep Date: 03/1 alysis Date: 03/1	2/2012 3/2012	Run No: 216947 Seq No: 4535693
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qua
Sulfide	38.40	2.00	39.2	0	98	66.8	121	0	0	0
Sample ID: 1203569-001DMSD SampleType: MSD	Client ID: TestCode:	Sulfide by SW9030B/9034			Un Bat	its: mg/L tchID: 158894		ep Date: 03/1 alysis Date: 03/1	2/2012 3/2012	Run No: 216947 Seq No: 4535694
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qua
Sulfide	38.00	2.00	39.2	0	96.9	66.8	121	38.40	1.05	30

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158903

Date:

16-Mar-12

Sample ID: MB-158903 SampleType: MBLK	Client ID:	Iercury, Dissolved SV	V7470A			its: mg/L tchID: 158903		p Date: 03/14 alysis Date: 03/14	I/2012 I/2012	Run No: 217065 Seq No: 4538004
Sumple Type. WIDER	resteac.	• ,			Dui	130705	7 1110	ary 515 Date. 00/1	72012	5cq 110. 4520004
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPI	RPD Limit Qua
Mercury	BRL	0.00020	0	0	0	0	0	0	0	0
Sample ID: LCS-158903	Client ID:				Un	its: mg/L	Pre	p Date: 03/1 4	1/2012	Run No: 217065
SampleType: LCS	TestCode: M	Iercury, Dissolved SV	V7470A		Bat	tchID: 158903	Ana	alysis Date: 03/14	1/2012	Seq No: 4538005
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qua
Mercury	0.005389	0.00020	0.005	0	108	85	115	0	0	0
Sample ID: 1203706-001CMS	Client ID: E	ZW-2			Un	its: mg/L	Pre	p Date: 03/1 4	1/2012	Run No: 217065
SampleType: MS	TestCode: M	Iercury, Dissolved SV	V7470A		Bat	tchID: 158903	Ana	alysis Date: 03/14	1/2012	Seq No: 4538008
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qua
Mercury	0.004376	0.00020	0.005	0	87.5	70	130	0	0	0
Sample ID: 1203706-001CMSD	Client ID: E	2W-2			Un	its: mg/L	Pre	p Date: 03/1 4	1/2012	Run No: 217065
SampleType: MSD	TestCode: M	Iercury, Dissolved SV	V7470A		Bat	tchID: 158903	Ana	alysis Date: 03/14	1/2012	Seq No: 4538009
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qua
Mercury	0.004454	0.00020	0.005	0	89.1	70	130	0.004376	1.77	20

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: 158904

Date:

16-Mar-12

Sample ID: MB-158904	Client ID:				Un	its: mg/L	Prej	Date: 03/14	/2012	Run No: 217076
SampleType: MBLK	TestCode: Merc	eury, Total SW747	70A		Bat	tchID: 158904	Ana	alysis Date: 03/14	/2012	Seq No: 4538134
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Mercury	BRL	0.00020	0	0	0	0	0	0	0	0
Sample ID: LCS-158904	Client ID:				Un	its: mg/L	Prep	Date: 03/14	/2012	Run No: 217076
SampleType: LCS	TestCode: Merc	eury, Total SW747	70A		Bar	tchID: 158904	Ana	alysis Date: 03/14	/2012	Seq No: 4538136
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Mercury	0.005402	0.00020	0.005	0	108	85	115	0	0	0
Sample ID: 1203A23-001EMS	Client ID:				Un	its: mg/L	Prep	Date: 03/14	/2012	Run No: 217076
SampleType: MS	TestCode: Merc	eury, Total SW747	70A		Bar	tchID: 158904	Ana	alysis Date: 03/14	/2012	Seq No: 4538139
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Mercury	0.005574	0.00020	0.005	0	111	70	130	0	0	0
Sample ID: 1203A23-001EMSD	Client ID:				Un	its: mg/L	Prep	Date: 03/14	/2012	Run No: 217076
SampleType: MSD	TestCode: Merc	eury, Total SW747	70A		Bat	tchID: 158904	Ana	alysis Date: 03/14	/2012	Seq No: 4538141
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Mercury	0.005623	0.00020	0.005	0	112	70	130	0.005574	0.868	20

Qualifiers: > Greater than Result value

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

139 Brampton Road Property **Project Name:**

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: R216739

Date:

16-Mar-12

Sample ID: MB-R216739 SampleType: MBLK	Client ID:	Total Organic Carbon (To	OC) SW9060 <i>A</i>	Λ	Un	its: mg/L	-	Date:	/2012	Run No: 216739 Seg No: 4531521
Sample Type. WIBLK	resicoue.	Total Organic Carbon (1	30) 51170001	•	Dai	(CIII). K210 /3	9 Alla	llysis Date. 03/09/	2012	seq No. 4331321
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:				Un	its: mg/L	Prep	Date:		Run No: 216739
SampleType: LCS	TestCode:	Total Organic Carbon (To	OC) SW9060A	1	Bat	tchID: R21673	-	llysis 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			Un	its: mg/L	Prej	Date:		Run No: 216739
SampleType: MS	TestCode:	Total Organic Carbon (To	OC) SW9060A	\	Bat	tchID: R21673	9 Ana	llysis 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			Un	its: mg/L	Prej	Date:		Run No: 216739
SampleType: MSD	TestCode:	Total Organic Carbon (To	OC) SW90604	1	Bat	tchID: R21673	9 Ana	llysis 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

> BRL Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below 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 associated method blank

H Holding times for preparation or analysis exceeded

Date: 16-Mar-12

Client: AMEC E&I, Inc. **Project Name:**

139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: R216749

Sample ID: MB-R216749 SampleType: MBLK	Client ID: TestCode: ION	SCAN SW9056A			Un Bat	its: mg/L chID: R21674		p Date: alysis Date: 03/09	/2012	Run No: 216749 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 SampleType: LCS	Client ID: TestCode: ION	SCAN SW9056A			Un Bat	its: mg/L cchID: R21674		p Date: alysis Date: 03/09		Run No: 216749 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
Vitrite	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 SampleType: MS	Client ID: GV TestCode: ION	V-1 I SCAN SW9056A			Un Bat	its: mg/L chID: R21674		p Date: alysis Date: 03/09		Run No: 216749 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
Vitrite	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 SampleType: MSD	Client ID: GV TestCode: ION	V-1 I SCAN SW9056A			Un Bat	its: mg/L chID: R21674		p Date: alysis Date: 03/09	/2012	Run No: 216749 Seq No: 4531684
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Chloride	14.69	1.0	10	5.203	94.9	90	110	14.66	0.216	20
Qualifiers: > Greater than Result valu BRL Below reporting limit J Estimated value detecte Rpt Lim Reporting Limit	e d below Reporting Limi	1	E Estim	than Result value nated (value above quantit yte not NELAC certified Recovery outside limits of	- '		Н	Analyte detected in the assa Holding times for preparati RPD outside limits due to	on or analysis e	

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: R216749

Date:

16-Mar-12

Sample ID: 1203706-003GMSD SampleType: MSD	Client ID: GW TestCode: ION				Uni Bat	ts: mg/L chID: R21674		Date: llysis Date: 03/09/		Run No: 216749 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

BRL Below reporting limit

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: R216789

Date:

16-Mar-12

Sample ID: MB-R216789 SampleType: MBLK	Client ID: TestCode:	Ferrous Iron SM350	00-Fe-B		Un: Bat	its: mg/L tchID: R21678		Date: alysis Date: 03/09	/2012	Run No: 216789 Seq No: 4532249
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Iron, as Ferrous (Fe+2)	BRL	0.100	0	0	0	0	0	0	0	0
Sample ID: LCS-R216789 SampleType: LCS	Client ID: TestCode:	Ferrous Iron SM350	00-Fe-B		Un: Bat	its: mg/L tchID: R21678		Date: alysis Date: 03/09	/2012	Run No: 216789 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 SampleType: MS	Client ID: TestCode:	· · · ·	00-Fe-B		Un Bat	its: mg/L tchID: R21678		Date: alysis Date: 03/09	/2012	Run No: 216789 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 SampleType: MSD	Client ID: TestCode:	· · · ·	00-Fe-B		Un: Bat	its: mg/L tchID: R21678		Date: alysis Date: 03/09	/2012	Run No: 216789 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203706

ANALYTICAL QC SUMMARY REPORT

BatchID: R216883

Date:

16-Mar-12

Sample ID: MB-R216883 SampleType: MBLK	Client ID: TestCode: Al	kalinity E310.2			Uni Bat	ts: mg/L chID: R21688 3	-	Date: lysis Date: 03/13/	/2012	Run No: 216883 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:				Uni	ts: mg/L	Prep	Date:		Run No: 216883
SampleType: LCS	TestCode: Al	kalinity E310.2			Bat	chID: R21688	3 Ana	lysis 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:				Uni	ts: mg/L	Prep	Date:		Run No: 216883
SampleType: DUP	TestCode: Al	kalinity E310.2			Bat	chID: R21688	3 Ana	lysis 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

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 associated method blank

H Holding times for preparation or analysis exceeded

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: 13

139 Brampton Road Property

Dear Tyler Boyles:

Order No: 1203734

Analytical Environmental Services, Inc. received 49samples 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

Kathum E. Water

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

No # of Containers 4 e ૭ Ø e ৩ O e to check on the status of your results, place bottle www.aesatlanta.com Turnaround Time Request Standard 5 Business Days Visit our website Total # of Containers orders, etc. RECEIPT REMARKS HOLD 多多 3/8/12 139 Bringer Rd Proch ANALYSIS REQUESTED PRESERVATION (See codes) PROJECT INFORMATION Samuel (A 6121 09 0220 EO 1401 *v W × PROJECT NAME 943M SITE ADDRESS: ₩/ PROJECT # HAG VN 570/ ms DATE/FIME (See codes) ð 90 Matrix ググ composite SOF Phiko AVE Grab ENO US HOH ATAR SA SIGNATURE: 22 B 4480 9451 1700 1613 1307 1312 0840 1610 4110 6180 1480 1651 HIEI SAMPLED RECEIVED BY 3/9/8 3/2/12 3/5/12 3/6/12 FAX DATE/TIME SAMPLE ID TIK Bosh 10-12 404 811 0183 6-7 7-7 7-5 3,7 1-2 3-4 7-1 5-6 1-2 0-1 2-3 AMEL EN SO 10-M山 GP-04 G-P-09 66.02 6R02 6P-31 10-25 61-03 6-10 66.09 6-6-03 51-45 01-49 **VELINQUISHED BY** SAMPLED BY: AES

10

13 12

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. DATA PACKAGE:

QUOTE #:

SHENT FEDEX UPS MAIL COURIER

OTHER

GREYHOUND

VIA:

NA = None White Copy - Original; Yellow Copy - Client

 \geq

III III I

Fax? Y/N

3-mail? Y/N;

STATE PROGRAM (if any):

Other

Same Day Rush (auth req.)

Next Business Day Rush

0000

73K B-K

SEND REPORT TO:

INVOICE TO: (IF DIFFERENT FROM ABOVE)

SHIPMENT METHOD

50

Z

2 Business Day Rush

GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water O = Other (specify) H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfunc acid + ice S/M+1 = Sodium Bisulfate/Methanol + ice

PRESERVATIVE CODES:

Page 2 of 134

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

Page 2

ō

Work Order: 1203734

No # of Containers Q Ø ૭ \geq to check on the status of your results, place bottle Same Day Rush (auth req.) www.aesatlanta.com Furnaround Time Request II II Standard 5 Business Days Fax? Y/N Next Business Day Rush Visit our website 2 Business Day Rush Total # of Containers orders, etc. REMARKS STATE PROGRAM (if any): DATA PACKAGE: E-mail? Y/N; Other 0 199 Bamster Re Property ANALYSIS REQUESTED PRESERVATION (See codes) PROJECT INFORMATION 6121 09 0220 Summe (GA Tyler Bork INVOICE TO: (IF DIFFERENT FROM ABOVE) W SEND REPORT TO: PROJECT NAME: Wet? SITE ADDRESS: 44 PROJECT # QUOTE #: ٧N 501 lug DATE/TIME (See codes) 5 CLIENT Fedex UPS MAIL COURIER CS:5 3/4 SHIPMENT METHOD VIA 8819 U.8 Hoh Grab 396 Phos. Ac OTHER チャラット のみ 1560 9260 3001 1345 0933 0934 1220 GREYHOUND 8115 1007 4160 102 1325 1330 1329 SAMPLED RECEIVED BY SIGNATURE 3/16/12 DATE 3/6/12 OUT FAX Z DATE/TIME SAMPLE ID PECIAL INSTRUCTIONS/COMMENTS: SAMPLED BY: Tyke Boyle, 404 817 0153 7-1 0 7 70 6-3 0-1 ~ 'n 1-2 AMEL 1-2-0 11-25 6-13 21-2-0 GP-13 68-16 1000 B 51-8-9 68-13 ELINQUISHED B 11-65 6-8-15 6-8-14 5-12 CP-16 10

MATRIX CODES: A = Air GW = Groundwater SE = Sediment 3O = 5001 5w - 5001 5w AMPLES 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.

MAITRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waster Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waster Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waster Water (Blanks) DW = Drinking Water (Blanks) DW = Drinking Water (Blanks) DW = Waster (Blanks

Work Order: 123734

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

No # of Containers 88 S of 10 Same Day Rush (auth req.) to check on the status of your results, place bottle www.aesatlanta.com Furnaround Time Request Standard 5 Business Days Fax? Y/N Next Business Day Rush 2 Business Day Rush Visit our website Fotal # of Containers RECEIPT orders, etc. STATE PROGRAM (if any): REMARKS 3-mail? Y/N; Date: 3/1/12 139 Bamph RJ lapely PROJECT INFORMATION ANALYSIS REQUESTED PRESERVATION (See codes Summer 64 Tyler Boyles 020 po 1219 INVOICE TO: (IF DIFFERENT FROM ABOVE) $\mathbf{z}|\mathbf{x}$ hul 11 SEND REPORT TO PROJECT NAME 942W SITE ADDRESS: V/V 448 PROJECT # M (201 INS DATE/TIME (See codes) ጽ R Matrix CLEANT FEDEX UPS MAIL COURIER 5,5 Composite SHIPMENT METHOD VIA VIA: to 181 0183 Grab 396 plasts AL せいせ 1423 TIME 1347 1602 1648 0813 0905 1403 1726 co 9/ 140, 1625 4280 9480 SAMPLED RECEIVED BY SIGNATURE 3/1/5 3/1/5 3/17/2 2/16/8 3/11/5 3/1/12 DATE 770 Z DATE/TIME Ś 2-3 2-3-10 GP.05 SAMPLE ID SPECIAL INSTRUCTIONS/COMMENTS: Boyk 40x 811 0153 3-5 3-4, AMEC SAMPLED BY: Tyle 6P-07 1 80-00 6-20 アメル F0-45 GP-06 7-M-J 61-2-19 RELINQUISHED BY 4045 C.P-17 81 J-81-18 6-6-10 ф **ф** AES 14

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. GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

A = Air

QUOTE #:

OTHER

GREYHOUND

O = Other (specify) NA = None White Copy - Original; Yellow Copy - Client PRESERVATIVE CODES. H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfure acid + ice S/M+I = Sodium Bisulfate/Methanol + ice

 \geq

DATA PACKAGE:

Page 4 of 134

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

Date: 3/8/12 Page 4 of 4

Work Order: 1203 734

AMEC AMEC AME AMED A	DOM TANGE	COMPANY	APPERE.														
A PARIET			- Control	396 Pl	وكالمرا	¥				ANAL	YSIS RE	QUESTE	Q			it our website	
SAMELLED Tyle 5.7 0/15 The state of the factor of the state of t	_	74/2(1)			4			-	L	_	-				man a	aecatlanta cor	
									_						to checl	k on the status	=1 %
SAMPLE DE SAMP	PHON	(0x 81)		\$10 CIS hol	%										your re	sults, place bot	
	SAME	1	SIGNATURE	y y					479	ter						rders, etc.	Conta
1			SAM	PLED (_	9	(\$		V	1	-		•				o # o
13 × + 3 × +	#	SAMPLE ID				isoq					RVATION	N (See code	(s)				N T
13 S 4 B 7 7 1			DATE	TIME	Grab	Com			_	*JAV					Γ	REMARKS	
13 × + 3 × +	~		3/415	2060	χ	\$	ō	-		Ĺ	_				1416	_	-
13 5 4 B	0	GP-21 11		8160					_		_		_				-
13 S 4 B	8	- 1		260							_				100	0	-
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7	1		1313				(d	-		_						-
1	ی			1319				_			-	-			75	3	-
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9			1335		-			ষ		-						ی
150 % d G	7			BSS				_	×		-						e
13 S 4 G	20	GP-26		404				X	×		-			_			e
18 S & B	Ø.		3/1/12	1423	X				×								-
1 S S G G G G G G G G G G G G G G G G G	10	58-1	2/8/15	5180		×		-	×		_						T
18 8 4 9 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11	58-2	7/8/15	09.45		X			X								-
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12	TRIPBLANG						X	-					_			-
\$ \$ \frac{1}{2} \]	13					-		_									-
1 13 8 4 6	14																-
ys h	RELIV		RECEIVED BY	,		DA	_			PROJE	CT INFO	RMATIO	2			RECEIPT	
s s d s s s s s s s s s s s s s s s s s	il	- 1	ij	July 31	2	رکیاک		ROECT	NAME:	139 8	rample	õ	Puput		Tota	1 # of Containers	35
8 4 G 1 2 H	7	`\	2:	\				ROJECT	#	6121	69 03	3			``	maround Time Reques	\ \
}			33					SITE ADD	RESS:	V	1	5			\	indard 5 Business Days	
. 🖟 📗 📁								SEND REP	ORT TO:	5 F	1 P	ا ا				Susiness Day Rush xt Business Day Rush	
IN CLIENT Fedex UPS MAIL COURIER GREYHOUND OTHER QUOTE #: PO#: STATE PROGRAM (of any): E-mail? Y/N; Fax? Y/N DATA PACKAGE: 1 11 111		AL INSTRUCTIONS/COMMENTS:	/ Ino	SHIPMENT /	METHOD VIA:			NVOICE 7 IF DIFFEF	FO: JENT FRO	M ABOVI	ł					ne Day Rush (auth rec	3
GREYHOUND OTHER QUOTE #: PO#: DATA PACKAGE: 1 II III	_		/ο	FedEx		COURIE	~								STATE PROGE	M (if an	
			GRE	YHOUND OT	TER		Ü	QUOTE #:				PO#:			DATA PACK	AGE: I II III	2

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 only N = Nitric acid + ice SM+1 = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

O = Other (specify) NA = None
White Copy - Original; Yellow Copy - Client

Client: AMEC E&I, Inc.

Project: 139 Brampton Road Property

Case Narrative

Date:

30-Mar-12

Lab ID: 1203734

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.

Client: AMEC E&I, Inc. Client Sample ID: EW-01 2-4

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 3:46:00 PM

Lab ID: 1203734-001 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.117		mg/Kg-dry	158852	1	03/13/2012 15:39	LD
TCL VOLATILE ORGANICS SW820	60B			(SW	(5035)			
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		1	03/16/2012 17:50	JE
Chloroethane	BRL	12		ug/Kg-dry		1	03/16/2012 17:50	JE
Chloroform	BRL	6.1		ug/Kg-dry		1	03/16/2012 17:50	JE
Chloromethane	BRL	12		ug/Kg-dry		1	03/16/2012 17:50	JE
cis-1,2-Dichloroethene	BRL	6.1		ug/Kg-dry		1	03/16/2012 17:50	JE
cis-1,3-Dichloropropene	BRL	6.1		ug/Kg-dry		1	03/16/2012 17:50	JE
Cyclohexane	BRL	6.1		ug/Kg-dry		1	03/16/2012 17:50	JE
Dibromochloromethane	BRL	6.1		ug/Kg-dry		1	03/16/2012 17:50	JE
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 17:50	JE

Qualifiers:

Date:

29-Mar-12

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

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	Analys
TCL VOLATILE ORGANICS SW82601	В			(SW	5035)			
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			(SW	3550C)			
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		1	03/14/2012 11:09	NE
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry		1	03/14/2012 11:09	NE
Benzo(a)pyrene	BRL	390		ug/Kg-dry		1	03/14/2012 11:09	NE
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry		1	03/14/2012 11:09	NE
Benzo(g,h,i)perylene	BRL	390		ug/Kg-dry		1	03/14/2012 11:09	NE
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry		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:

BRL Below reporting limit

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

^{*} Value exceeds maximum contaminant level

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

Less than Result value

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			(SW	3550C)			
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				(SW	3050B)			
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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

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				(SW	9060 Mod	dified)		
Total Organic Carbon (TOC)	BRL	500		mg/Kg-dry	158830	1	03/13/2012 13:23	GR

Date:

29-Mar-12

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

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				(SW3	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-04 7'

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 4:51:00 PM

Lab ID: 1203734-005 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW3	3050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-03 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 5:00:00 PM

Lab ID: 1203734-006 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/M	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.129		mg/Kg-dry	158852	1	03/13/2012 14:42	LD
TCL VOLATILE ORGANICS SW82	60B			(SW	(5035)			
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	JЕ
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	JΕ
Bromoform	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JЕ
Bromomethane	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JE
Carbon disulfide	BRL	12		ug/Kg-dry		1	03/16/2012 18:15	JE
Carbon tetrachloride	BRL	6.2		ug/Kg-dry		1	03/16/2012 18:15	JE
Chlorobenzene	BRL	6.2		ug/Kg-dry		1	03/16/2012 18:15	JE
Chloroethane	BRL	12		ug/Kg-dry		1	03/16/2012 18:15	JE
Chloroform	BRL	6.2		ug/Kg-dry		1	03/16/2012 18:15	JE
Chloromethane	BRL	12		ug/Kg-dry		1	03/16/2012 18:15	JE
cis-1,2-Dichloroethene	BRL	6.2		ug/Kg-dry		1	03/16/2012 18:15	JE
cis-1,3-Dichloropropene	BRL	6.2		ug/Kg-dry		1	03/16/2012 18:15	JE
Cyclohexane	BRL	6.2		ug/Kg-dry		1	03/16/2012 18:15	JE
Dibromochloromethane	BRL	6.2		ug/Kg-dry		1	03/16/2012 18:15	JЕ
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	159042	1	03/16/2012 18:15	JE

Qualifiers:

Date:

29-Mar-12

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-03 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 5:00:00 PM

Lab ID: 1203734-006 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260	В			(SW	5035)			
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			(SW	3550C)			
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
(B,,) P = 1					158849	1	03/14/2012 17:31	NE
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	130049	1	03/14/2012 17.31	INL

Qualifiers:

BRL Below reporting limit

Date:

29-Mar-12

^{*} Value exceeds maximum contaminant level

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

Less than Result value
Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-03 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 5:00:00 PM

Lab ID: 1203734-006 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW.	3550C)			
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				(SW.	3050B)			
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

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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

Client: AMEC E&I, Inc. Client Sample ID: GP-03 6-7

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 5:07:00 PM

Lab ID: 1203734-007 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.120		mg/Kg-dry	158852	1	03/13/2012 14:51	LD
TCL VOLATILE ORGANICS SW826	60B			(SW	(5035)			
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	JΕ
Bromoform	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JЕ
Bromomethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JE
Carbon disulfide	BRL	10		ug/Kg-dry		1	03/16/2012 20:21	JE
Carbon tetrachloride	BRL	5.2		ug/Kg-dry		1	03/16/2012 20:21	JE
Chlorobenzene	BRL	5.2		ug/Kg-dry		1	03/16/2012 20:21	JE
Chloroethane	BRL	10		ug/Kg-dry		1	03/16/2012 20:21	JE
Chloroform	BRL	5.2		ug/Kg-dry		1	03/16/2012 20:21	JE
Chloromethane	BRL	10		ug/Kg-dry		1	03/16/2012 20:21	JE
cis-1,2-Dichloroethene	BRL	5.2		ug/Kg-dry		1	03/16/2012 20:21	JE
cis-1,3-Dichloropropene	BRL	5.2		ug/Kg-dry		1	03/16/2012 20:21	JE
Cyclohexane	BRL	5.2		ug/Kg-dry		1	03/16/2012 20:21	JE
Dibromochloromethane	BRL	5.2		ug/Kg-dry		1	03/16/2012 20:21	JE
Dichlorodifluoromethane	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JE

Qualifiers:

Date:

29-Mar-12

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-03 6-7

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 5:07:00 PM

Lab ID: 1203734-007 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260	В			(SW:	5035)			
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	JЕ
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	JЕ
Toluene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JЕ
trans-1,2-Dichloroethene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JЕ
trans-1,3-Dichloropropene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JЕ
Trichloroethene	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JЕ
Trichlorofluoromethane	BRL	5.2		ug/Kg-dry	159111	1	03/16/2012 20:21	JЕ
Vinyl chloride	BRL	10		ug/Kg-dry	159111	1	03/16/2012 20:21	JЕ
Surr: 4-Bromofluorobenzene	114	56.5-134		%REC	159111	1	03/16/2012 20:21	JЕ
Surr: Dibromofluoromethane	117	71.8-135		%REC	159111	1	03/16/2012 20:21	JЕ
Surr: Toluene-d8	96.4	77.1-117		%REC	159111	1	03/16/2012 20:21	JE
POLYAROMATIC HYDROCARBONS	SW8270D			(SW	3550C)			
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		03/14/2012 17:56	NE
Benzo(a)pyrene	BRL	400		ug/Kg-dry	158849		03/14/2012 17:56	NE
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	158849		03/14/2012 17:56	NE
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry	158849		03/14/2012 17:56	NE
Denzorg ii Diberviene				2 2 3	-50017	•		
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry	158849	1	03/14/2012 17:56	NE

Qualifiers:

BRL Below reporting limit

Date:

29-Mar-12

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-03 6-7

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 5:07:00 PM

Lab ID: 1203734-007 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW	3550C)			
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				(SW	3050B)			
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

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

< Less than Result value

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				(SW:	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-09 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:17:00 AM

Date:

29-Mar-12

Lab ID: 1203734-010 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/M	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.115		mg/Kg-dry	158852	1	03/13/2012 14:53	LD
TCL VOLATILE ORGANICS SW82	60B			(SW	5035)			
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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-09 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:17:00 AM

Date:

29-Mar-12

Lab ID: 1203734-010 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260E	3			(SW	5035)			
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			(SW	3550C)			
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

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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-09 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:17:00 AM

Date:

29-Mar-12

Lab ID: 1203734-010 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW	3550C)			
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				(SW	3050B)			
Arsenic	BRL	5.59		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Barium	25.4	5.59		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Cadmium	BRL	2.79		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Chromium	7.82	2.79		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Lead	27.9	5.59		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Selenium	BRL	5.59		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
Silver	BRL	2.79		mg/Kg-dry	158824	1	03/13/2012 18:49	TA
PERCENT MOISTURE D2216								
Percent Moisture	14.1	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers: * Value exceeds maximum contaminant level

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

Client: AMEC E&I, Inc. Client Sample ID: GP-09 5-6

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:19:00 AM

Date:

29-Mar-12

Lab ID: 1203734-011 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.126		mg/Kg-dry	158852	1	03/13/2012 14:55	LD
TCL VOLATILE ORGANICS SW826	0B			(SW	(5035)			
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	JΕ
Bromoform	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JЕ
Bromomethane	BRL	6.9		ug/Kg-dry	159042	1	03/16/2012 08:19	JE
Carbon disulfide	BRL	14		ug/Kg-dry		1	03/16/2012 08:19	JE
Carbon tetrachloride	BRL	6.9		ug/Kg-dry		1	03/16/2012 08:19	JE
Chlorobenzene	BRL	6.9		ug/Kg-dry		1	03/16/2012 08:19	JE
Chloroethane	BRL	14		ug/Kg-dry		1	03/16/2012 08:19	JE
Chloroform	BRL	6.9		ug/Kg-dry		1	03/16/2012 08:19	JE
Chloromethane	BRL	14		ug/Kg-dry		1	03/16/2012 08:19	JE
cis-1,2-Dichloroethene	BRL	6.9		ug/Kg-dry		1	03/16/2012 08:19	JE
cis-1,3-Dichloropropene	BRL	6.9		ug/Kg-dry		1	03/16/2012 08:19	JE
Cyclohexane	BRL	6.9		ug/Kg-dry		1	03/16/2012 08:19	JE
Dibromochloromethane	BRL	6.9		ug/Kg-dry		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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-09 5-6

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:19:00 AM

Lab ID: 1203734-011 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260E	3			(SW	5035)			
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			(SW	3550C)			
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		1	03/14/2012 16:56	NE
Benzo(a)pyrene	BRL	420		ug/Kg-dry			03/14/2012 16:56	NE
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry			03/14/2012 16:56	NE
Benzo(g,h,i)perylene	BRL	420		ug/Kg-dry		1	03/14/2012 16:56	NE
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry		1	03/14/2012 16:56	NE
Surr: 2-Fluorobiphenyl	86.4	51.9-120		%REC	158849		03/14/2012 16:56	NE

Qualifiers:

BRL Below reporting limit

Date:

29-Mar-12

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-09 5-6

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:19:00 AM

Date:

29-Mar-12

Lab ID: 1203734-011 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW.	3550C)			
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				(SW:	3050B)			
Arsenic	BRL	6.18		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Barium	77.4	6.18		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Cadmium	BRL	3.09		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Chromium	11.9	3.09		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Lead	19.9	6.18		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Selenium	BRL	6.18		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
Silver	BRL	3.09		mg/Kg-dry	158824	1	03/13/2012 18:53	TA
PERCENT MOISTURE D2216								
Percent Moisture	20.8	0		wt%	R217154	. 1	03/15/2012 12:00	AS

Qualifiers: * Value exceeds maximum contaminant level

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

BRL Below reporting limit

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

Client: AMEC E&I, Inc. Client Sample ID: GP-10 0-1

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:40:00 AM

Lab ID: 1203734-012 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW.	3050B)			
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

Date:

29-Mar-12

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

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

Date:

29-Mar-12

Lab ID: 1203734-013 **Matrix:** Soil

	Result	Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	SW8260B			(SW	(5035)			
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
ГОТАL MERCURY SW7471В				(SW	7471B)			
Mercury	BRL	0.112		mg/Kg-dry	158852	1	03/13/2012 15:02	LD
TCL VOLATILE ORGANICS SW8260)B			(SW	(5035)			
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	JЕ
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		1	03/16/2012 20:46	JE
Acetone	BRL	170		ug/Kg-dry		1	03/16/2012 20:46	JE
Benzene	BRL	8.3		ug/Kg-dry		1	03/16/2012 20:46	JE
Bromodichloromethane	BRL	8.3		ug/Kg-dry		1	03/16/2012 20:46	JE
Bromoform	BRL	8.3		ug/Kg-dry		1	03/16/2012 20:46	JE
Bromomethane	BRL	8.3		ug/Kg-dry		1	03/16/2012 20:46	JE
Carbon disulfide	BRL	17		ug/Kg-dry		1	03/16/2012 20:46	JЕ
Carbon tetrachloride	BRL	8.3		ug/Kg-dry		1	03/16/2012 20:46	JЕ
Chlorobenzene	BRL	8.3		ug/Kg-dry		1	03/16/2012 20:46	JЕ
Chloroethane	BRL	17		ug/Kg-dry		1	03/16/2012 20:46	JE
Chloroform	BRL	8.3		ug/Kg-dry		1	03/16/2012 20:46	JE
Chloromethane	BRL	17		ug/Kg-dry		1	03/16/2012 20:46	JE
cis-1,2-Dichloroethene	BRL	8.3		ug/Kg-dry		1	03/16/2012 20:46	JE E
cis-1,3-Dichloropropene	BRL	8.3		ug/Kg-dry		1	03/16/2012 20:46	JE E
Cyclohexane	BRL	8.3		ug/Kg-dry ug/Kg-dry		1	03/16/2012 20:46	JE E
Dibromochloromethane Dichlorodifluoromethane	BRL BRL	8.3 17		ug/Kg-dry		1 1	03/16/2012 20:46 03/16/2012 20:46	JE 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

< Less than Result value

J Estimated value detected below Reporting Limit

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

Date:

29-Mar-12

Lab ID: 1203734-013 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260H	3			(SW	(5035)			
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			(SW	3550C)			
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		1	03/14/2012 17:24	NE
Benzo(a)pyrene	BRL	370		ug/Kg-dry			03/14/2012 17:24	NE
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry			03/14/2012 17:24	NE
Benzo(g,h,i)perylene	BRL	370		ug/Kg-dry			03/14/2012 17:24	NE
Indeno(1,2,3-cd)pyrene	BRL	370		ug/Kg-dry			03/14/2012 17:24	NE
Surr: 2-Fluorobiphenyl	88.4	51.9-120		%REC	158849		03/14/2012 17:24	NE

Qualifiers:

BRL Below reporting limit

Narr See case narrative
NC Not confirmed

< Less than Result value

^{*} Value exceeds maximum contaminant level

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

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

Date:

29-Mar-12

Lab ID: 1203734-013 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW:	3550C)			
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				(SW:	3050B)			
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

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

Analyte detected in the associated method blank

> Greater than Result value

BRL Below reporting limit

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

Client: AMEC E&I, Inc. Client Sample ID: GP-10 6-7'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:44:00 AM

Date:

29-Mar-12

Lab ID: 1203734-014 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.133		mg/Kg-dry	158852	1	03/13/2012 15:04	LD
TCL VOLATILE ORGANICS SW820	60B			(SW	(5035)			
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	JΕ
Bromoform	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JЕ
Bromomethane	BRL	5.7		ug/Kg-dry	159042	1	03/16/2012 09:09	JE
Carbon disulfide	BRL	11		ug/Kg-dry		1	03/16/2012 09:09	JE
Carbon tetrachloride	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:09	JE
Chlorobenzene	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:09	JE
Chloroethane	BRL	11		ug/Kg-dry		1	03/16/2012 09:09	JE
Chloroform	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:09	JE
Chloromethane	BRL	11		ug/Kg-dry		1	03/16/2012 09:09	JE
cis-1,2-Dichloroethene	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:09	JE
cis-1,3-Dichloropropene	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:09	JE
Cyclohexane	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:09	JE
Dibromochloromethane	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:09	JE
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:09	JE

Qualifiers:

Narr See case narrative
NC Not confirmed

Less than Result value

^{*} 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

Client: AMEC E&I, Inc. Client Sample ID: GP-10 6-7'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:44:00 AM

Lab ID: 1203734-014 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260H	3			(SW	5035)			
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			(SW	3550C)			
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		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		1	03/14/2012 18:20	NE
Benzo(a)pyrene	BRL	440		ug/Kg-dry		1	03/14/2012 18:20	NE
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry		1	03/14/2012 18:20	NE
Benzo(g,h,i)perylene	BRL	440		ug/Kg-dry		1	03/14/2012 18:20	NE
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry		1	03/14/2012 18:20	NE
Surr: 2-Fluorobiphenyl	85.4	51.9-120		%REC	158849		03/14/2012 18:20	NE

Qualifiers:

BRL Below reporting limit

Date:

29-Mar-12

^{*} Value exceeds maximum contaminant level

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

Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-10 6-7'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 8:44:00 AM

Date:

29-Mar-12

Lab ID: 1203734-014 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW.	3550C)			
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				(SW:	3050B)			
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

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

BRL Below reporting limit

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

Client: AMEC E&I, Inc. Client Sample ID: GP-11 0-1

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 9:14:00 AM

Lab ID: 1203734-015 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW3	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-11 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 9:15:00 AM

Lab ID: 1203734-016 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW3	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-12 0-1

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 9:33:00 AM

Lab ID: 1203734-017 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW.	3050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-12 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 9:34:00 AM

Lab ID: 1203734-018 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW.	3050B)			
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

Date:

29-Mar-12

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

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				(SW.	3050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-13 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 9:56:00 AM

Lab ID: 1203734-020 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW3	8050B)			
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

Date:

29-Mar-12

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

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				(SW3	8050B)			
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

Date:

29-Mar-12

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

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				(SW:	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-15 1'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 10:20:00 AM

Lab ID: 1203734-023 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW3	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-15 2'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 10:21:00 AM

Lab ID: 1203734-024 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW.	3050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-16 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:25:00 PM

Lab ID: 1203734-025 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.127		mg/Kg-dry	158852	1	03/13/2012 15:06	LD
TCL VOLATILE ORGANICS SW826	50B			(SW	(5035)			
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		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		1	03/16/2012 09:34	JE
Carbon disulfide	BRL	11		ug/Kg-dry		1	03/16/2012 09:34	JE
Carbon tetrachloride	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:34	JE
Chlorobenzene	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:34	JE
Chloroethane	BRL	11		ug/Kg-dry		1	03/16/2012 09:34	JE
Chloroform	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:34	JE
Chloromethane	BRL	11		ug/Kg-dry		1	03/16/2012 09:34	JE
cis-1,2-Dichloroethene	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:34	JE
cis-1,3-Dichloropropene	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:34	JE
Cyclohexane	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:34	JE
Dibromochloromethane	BRL	5.7		ug/Kg-dry		1	03/16/2012 09:34	JE
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 09:34	JE

Qualifiers:

Date:

29-Mar-12

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-16 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:25:00 PM

Lab ID: 1203734-025 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW82601	3			(SW	5035)			
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			(SW	3550C)			
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		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:

BRL Below reporting limit

Date:

29-Mar-12

Narr See case narrative

NC Not confirmed

< Less than Result value

^{*} Value exceeds maximum contaminant level

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

Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-16 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:25:00 PM

Lab ID: 1203734-025 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW.	3550C)			
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				(SW.	3050B)			
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: * V

* 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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Client: AMEC E&I, Inc. Client Sample ID: GP-16 6-7

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:29:00 PM

Lab ID: 1203734-026 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/M	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.128		mg/Kg-dry	158852	1	03/13/2012 15:08	LD
TCL VOLATILE ORGANICS SW82	260B			(SW	(5035)			
1,1,1-Trichloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,1,2,2-Tetrachloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,1,2-Trichloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,1-Dichloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,1-Dichloroethene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2,4-Trichlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dibromo-3-chloropropane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dibromoethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dichlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dichloroethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,2-Dichloropropane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,3-Dichlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
1,4-Dichlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
2-Butanone	BRL	77		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
2-Hexanone	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
4-Methyl-2-pentanone	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Acetone	BRL	150		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Benzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Bromodichloromethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Bromoform	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Bromomethane	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Carbon disulfide	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Carbon tetrachloride	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Chlorobenzene	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Chloroethane	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Chloroform	BRL	7.7		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
Chloromethane	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE
cis-1,2-Dichloroethene	BRL	7.7		ug/Kg-dry		1	03/16/2012 09:59	JE
cis-1,3-Dichloropropene	BRL	7.7		ug/Kg-dry		1	03/16/2012 09:59	JE
Cyclohexane	BRL	7.7		ug/Kg-dry		1	03/16/2012 09:59	JE
Dibromochloromethane	BRL	7.7		ug/Kg-dry		1	03/16/2012 09:59	JE
Dichlorodifluoromethane	BRL	15		ug/Kg-dry	159042	1	03/16/2012 09:59	JE

Qualifiers:

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

^{*} 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

< Less than Result value

Client: AMEC E&I, Inc. Client Sample ID: GP-16 6-7

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:29:00 PM

Lab ID: 1203734-026 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW82601	В			(SW	5035)			
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			(SW	3550C)			
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:

BRL Below reporting limit

Narr See case narrative
NC Not confirmed

Less than Result value
Estimated value detected below Reporting Limit

Date:

29-Mar-12

^{*} Value exceeds maximum contaminant level

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

Client: AMEC E&I, Inc. Client Sample ID: GP-16 6-7

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:29:00 PM

Lab ID: 1203734-026 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW	3550C)			
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				(SW	3050B)			
Arsenic	8.15	5.94		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Barium	72.6	5.94		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Cadmium	BRL	2.97		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Chromium	12.2	2.97		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Lead	13.7	5.94		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Selenium	BRL	5.94		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
Silver	BRL	2.97		mg/Kg-dry	158825	1	03/13/2012 20:46	TA
PERCENT MOISTURE D2216								
Percent Moisture	22.9	0		wt%	R217154	1	03/15/2012 12:00	AS

Qualifiers: * Value exceeds maximum contaminant level

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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

Client: AMEC E&I, Inc. Client Sample ID: DUP-1

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:30:00 PM

Lab ID: 1203734-027 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.125		mg/Kg-dry	158852	1	03/13/2012 15:10	LD
TCL VOLATILE ORGANICS SW826	60B			(SW	(5035)			
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		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		1	03/16/2012 10:24	JE
Carbon tetrachloride	BRL	7.1		ug/Kg-dry		1	03/16/2012 10:24	JE
Chlorobenzene	BRL	7.1		ug/Kg-dry		1	03/16/2012 10:24	JE
Chloroethane	BRL	14		ug/Kg-dry		1	03/16/2012 10:24	JE
Chloroform	BRL	7.1		ug/Kg-dry		1	03/16/2012 10:24	JE
Chloromethane	BRL	14		ug/Kg-dry		1	03/16/2012 10:24	JE
cis-1,2-Dichloroethene	BRL	7.1		ug/Kg-dry		1	03/16/2012 10:24	JE
cis-1,3-Dichloropropene	BRL	7.1		ug/Kg-dry		1	03/16/2012 10:24	JE
Cyclohexane	BRL	7.1		ug/Kg-dry		1	03/16/2012 10:24	JE
Dibromochloromethane	BRL	7.1		ug/Kg-dry		1	03/16/2012 10:24	JE
Dichlorodifluoromethane	BRL	14		ug/Kg-dry	159042	1	03/16/2012 10:24	JE

Qualifiers:

Date:

29-Mar-12

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: DUP-1

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:30:00 PM

Lab ID: 1203734-027 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW82601	3			(SW	(5035)			
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			(SW	3550C)			
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		1	03/15/2012 16:15	NE
Benzo(g,h,i)perylene	BRL	410		ug/Kg-dry		1	03/15/2012 16:15	NE
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry		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:

BRL Below reporting limit

Date:

29-Mar-12

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: DUP-1

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:30:00 PM

Lab ID: 1203734-027 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D		(SV	V3550C)			
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			(SV	/3050B)			
Arsenic	BRL	6.15	mg/Kg-dr	y 158825	1	03/13/2012 20:50	TA
Barium	43.3	6.15	mg/Kg-dr	y 158825	1	03/13/2012 20:50	TA
Cadmium	BRL	3.07	mg/Kg-dr	y 158825	1	03/13/2012 20:50	TA
Chromium	12.3	3.07	mg/Kg-dr	y 158825	1	03/13/2012 20:50	TA
Lead	7.33	6.15	mg/Kg-dr	y 158825	1	03/13/2012 20:50	TA
Selenium	BRL	6.15	mg/Kg-dr	y 158825	1	03/13/2012 20:50	TA
Silver	BRL	3.07	mg/Kg-dr	y 158825	1	03/13/2012 20:50	TA
PERCENT MOISTURE D2216							
Percent Moisture	20.3	0	wt%	R217154	1 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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

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				(SW:	3050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-17 2'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 1:47:00 PM

Lab ID: 1203734-029 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW:	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-18 1'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 2:01:00 PM

Lab ID: 1203734-030 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW3	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-18 2'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 2:03:00 PM

Lab ID: 1203734-031 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW3	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: EW-2 3-4'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 2:23:00 PM

Lab ID: 1203734-032 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	0.491	0.116		mg/Kg-dry	158852	1	03/13/2012 15:13	LD
TCL VOLATILE ORGANICS SW820	60B			(SW	(5035)			
1,1,1-Trichloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,1,2,2-Tetrachloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,1,2-Trichloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,1-Dichloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,1-Dichloroethene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2,4-Trichlorobenzene	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dibromo-3-chloropropane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dibromoethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dichlorobenzene	130	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dichloroethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,2-Dichloropropane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,3-Dichlorobenzene	7.4	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
1,4-Dichlorobenzene	18	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
2-Butanone	66	54		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
2-Hexanone	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
4-Methyl-2-pentanone	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Acetone	490	110	E	ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Benzene	140	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Bromodichloromethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Bromoform	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Bromomethane	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Carbon disulfide	11	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Carbon tetrachloride	BRL	5.4		ug/Kg-dry	159042	1	03/16/2012 10:49	JE
Chlorobenzene	96	5.4		ug/Kg-dry		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		1	03/16/2012 10:49	JE
Chloromethane	BRL	11		ug/Kg-dry		1	03/16/2012 10:49	JE
cis-1,2-Dichloroethene	BRL	5.4		ug/Kg-dry		1	03/16/2012 10:49	JE
cis-1,3-Dichloropropene	BRL	5.4		ug/Kg-dry		1	03/16/2012 10:49	JE
Cyclohexane	BRL	5.4		ug/Kg-dry		1	03/16/2012 10:49	JE
Dibromochloromethane	BRL	5.4		ug/Kg-dry		1	03/16/2012 10:49	JE
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	159042	1	03/16/2012 10:49	JE

Qualifiers:

Date:

29-Mar-12

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: EW-2 3-4'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 2:23:00 PM

Lab ID: 1203734-032 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260B				(SW	5035)			
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			(SW	3550C)			
Naphthalene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Acenaphthylene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
1-Methylnaphthalene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
2-Methylnaphthalene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Acenaphthene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Fluorene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Phenanthrene	BRL	390		ug/Kg-dry		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		1	03/15/2012 16:44	NE
Pyrene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Benz(a)anthracene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Chrysene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Benzo(a)pyrene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry		1	03/15/2012 16:44	NE

Qualifiers:

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

Less than Result value

^{*} 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

Client: AMEC E&I, Inc. Client Sample ID: EW-2 3-4'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 2:23:00 PM

Lab ID: 1203734-032 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW	3550C)			
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				(SW	3050B)			
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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

Client: AMEC E&I, Inc. Client Sample ID: EW-2 5-6'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 2:26:00 PM

Lab ID: 1203734-033 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.132		mg/Kg-dry	158852	1	03/13/2012 15:15	LD
TCL VOLATILE ORGANICS SW826	60B			(SW	(5035)			
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		1	03/16/2012 21:11	JE
Chloroethane	BRL	13		ug/Kg-dry		1	03/16/2012 21:11	JE
Chloroform	BRL	6.7		ug/Kg-dry		1	03/16/2012 21:11	JE
Chloromethane	BRL	13		ug/Kg-dry		1	03/16/2012 21:11	JE
cis-1,2-Dichloroethene	BRL	6.7		ug/Kg-dry		1	03/16/2012 21:11	JE
cis-1,3-Dichloropropene	BRL	6.7		ug/Kg-dry		1	03/16/2012 21:11	JE
Cyclohexane	BRL	6.7		ug/Kg-dry		1	03/16/2012 21:11	JE
Dibromochloromethane	BRL	6.7		ug/Kg-dry		1	03/16/2012 21:11	JE
Dichlorodifluoromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 21:11	JE

Qualifiers:

Date:

29-Mar-12

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: EW-2 5-6'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 2:26:00 PM

Lab ID: 1203734-033 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW82601	В			(SW	5035)			
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			(SW	3550C)			
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		1	03/15/2012 17:11	NE
Acenaphthene	BRL	440		ug/Kg-dry		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		1	03/15/2012 17:11	NE
Benzo(k)fluoranthene	BRL	440		ug/Kg-dry		1	03/15/2012 17:11	NE
Benzo(a)pyrene	BRL	440		ug/Kg-dry		1	03/15/2012 17:11	NE
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry		1	03/15/2012 17:11	NE
Benzo(g,h,i)perylene	BRL	440		ug/Kg-dry		1	03/15/2012 17:11	NE
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry		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:

BRL Below reporting limit

Date:

29-Mar-12

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: EW-2 5-6'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 2:26:00 PM

Lab ID: 1203734-033 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW.	3550C)			
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				(SW:	3050B)			
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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

Client: AMEC E&I, Inc. Client Sample ID: GP-19 1'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 4:00:00 PM

Lab ID: 1203734-034 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C			(SV	/3050B)			
Lead	30.6	5.84	mg/Kg-dr	y 158825	1	03/13/2012 21:25	TA
PERCENT MOISTURE D2216							
Percent Moisture	18.4	0	wt%	R217154	1 1	03/15/2012 12:00	AS

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-19 2'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 4:02:00 PM

Lab ID: 1203734-035 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW3	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-05 2-3

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 4:25:00 PM

Lab ID: 1203734-036 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/M	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.111		mg/Kg-dry	158852	1	03/13/2012 15:17	LD
TCL VOLATILE ORGANICS SW82	60B			(SW	5035)			
1,1,1-Trichloroethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JЕ
1,1,2,2-Tetrachloroethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JЕ
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	JЕ
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	JЕ
1,2-Dibromo-3-chloropropane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JЕ
1,2-Dibromoethane	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JЕ
1,2-Dichlorobenzene	BRL	6.6		ug/Kg-dry	159111	1	03/16/2012 21:36	JЕ
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:

Date:

29-Mar-12

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-05 2-3

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 4:25:00 PM

Lab ID: 1203734-036 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260	В			(SW	5035)			
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		1	03/16/2012 21:36	JE
Vinyl chloride	BRL	13		ug/Kg-dry		1	03/16/2012 21:36	JЕ
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	JЕ
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	JЕ
POLYAROMATIC HYDROCARBONS	SW8270D			(SW	3550C)			
				-	•			
Naphthalene	BRL	370		ug/Kg-dry		1	03/15/2012 17:39	NE
Acenaphthylene	BRL	370		ug/Kg-dry		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		1	03/15/2012 17:39	NE
Acenaphthene	BRL	370		ug/Kg-dry		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		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:

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-05 2-3

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 4:25:00 PM

Lab ID: 1203734-036 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW	3550C)			
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				(SW	3050B)			
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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

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	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.121		mg/Kg-dry	158852	1	03/13/2012 15:19	LD
TCL VOLATILE ORGANICS SW826	60B			(SW	(5035)			
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	JΕ
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		1	03/16/2012 22:01	JE
Carbon tetrachloride	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
Chlorobenzene	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
Chloroethane	BRL	13		ug/Kg-dry		1	03/16/2012 22:01	JE
Chloroform	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
Chloromethane	BRL	13		ug/Kg-dry		1	03/16/2012 22:01	JE
cis-1,2-Dichloroethene	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
cis-1,3-Dichloropropene	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
Cyclohexane	25	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
Dibromochloromethane	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
Dichlorodifluoromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:01	JE

Qualifiers:

Date:

29-Mar-12

Narr See case narrative

Less than Result value

^{*} 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

NC Not confirmed

J Estimated value detected below Reporting Limit

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	Analys
TCL VOLATILE ORGANICS SW82601	3			(SW	5035)			
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		1	03/16/2012 22:01	JE
trans-1,3-Dichloropropene	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
Trichloroethene	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
Trichlorofluoromethane	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:01	JE
Vinyl chloride	BRL	13		ug/Kg-dry		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			(SW	3550C)			
Naphthalene	BRL	400		ug/Kg-dry	158938	1	03/15/2012 18:06	NE
Acenaphthylene	BRL	400		ug/Kg-dry		1	03/15/2012 18:06	NE
1-Methylnaphthalene	1200	400		ug/Kg-dry		1	03/15/2012 18:06	NE
2-Methylnaphthalene	BRL	400		ug/Kg-dry		1	03/15/2012 18:06	NE
Acenaphthene	BRL	400		ug/Kg-dry		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		1	03/15/2012 18:06	NE
Benzo(k)fluoranthene	BRL	400		ug/Kg-dry		1	03/15/2012 18:06	NE
Benzo(a)pyrene	BRL	400		ug/Kg-dry		1	03/15/2012 18:06	NE
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry		1	03/15/2012 18:06	NE
Benzo(g,h,i)perylene	BRL	400		ug/Kg-dry		1	03/15/2012 18:06	NE
Indeno(1,2,3-cd)pyrene	BRL	400		ug/Kg-dry		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:

BRL Below reporting limit

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

Less than Result value

^{*} Value exceeds maximum contaminant level

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

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			(SW.	3550C)			
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				(SW.	3050B)			
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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

Less than Result value

Estimated value detected below Reporting Limit

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				(SW.	3050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-07 2'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 8:24:00 AM

Lab ID: 1203734-039 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW.	3050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-06 4-5'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 8:46:00 AM

Date:

29-Mar-12

Lab ID: 1203734-040 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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	JЕ
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				(SW	7471B)			
Mercury	BRL	0.124		mg/Kg-dry	158852	1	03/13/2012 15:21	LD
TCL VOLATILE ORGANICS SW826	60B			(SW	(5035)			
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	JЕ
1,1,2-Trichloroethane	BRL	5.8		ug/Kg-dry		1	03/16/2012 22:27	JЕ
1,1-Dichloroethane	BRL	5.8		ug/Kg-dry		1	03/16/2012 22:27	JE
1,1-Dichloroethene	BRL	5.8		ug/Kg-dry		1	03/16/2012 22:27	JE
1,2,4-Trichlorobenzene	BRL	5.8		ug/Kg-dry		1	03/16/2012 22:27	JE
1,2-Dibromo-3-chloropropane	BRL	5.8		ug/Kg-dry		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	JЕ
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:

Narr See case narrative
NC Not confirmed

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-06 4-5'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 8:46:00 AM

Lab ID: 1203734-040 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW82601	В			(SW	5035)			
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			(SW	3550C)			
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		1	03/15/2012 18:33	NE
Dibenz(a,h)anthracene	BRL	410		ug/Kg-dry		1	03/15/2012 18:33	NE
Benzo(g,h,i)perylene	BRL	410		ug/Kg-dry		1	03/15/2012 18:33	NE
Indeno(1,2,3-cd)pyrene	BRL	410		ug/Kg-dry		1	03/15/2012 18:33	NE
Surr: 2-Fluorobiphenyl	84	51.9-120		%REC	158938	1	03/15/2012 18:33	NE

Qualifiers:

BRL Below reporting limit

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-06 4-5'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 8:46:00 AM

Date:

29-Mar-12

Lab ID: 1203734-040 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW.	3550C)			
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				(SW.	3050B)			
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

Client: AMEC E&I, Inc. Client Sample ID: GP-20 1'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 9:05:00 AM

Lab ID: 1203734-041 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW.	3050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-21 1'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 9:18:00 AM

Lab ID: 1203734-043 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW.	3050B)			
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

Date:

29-Mar-12

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

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				(SW.	3050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: GP-25 3-4'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 1:35:00 PM

Lab ID: 1203734-047 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.111		mg/Kg-dry	158852	1	03/13/2012 15:28	LD
TCL VOLATILE ORGANICS SW826	60B			(SW	(5035)			
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		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		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		1	03/16/2012 22:52	JE
Chloromethane	BRL	13		ug/Kg-dry		1	03/16/2012 22:52	JE
cis-1,2-Dichloroethene	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:52	JE
cis-1,3-Dichloropropene	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:52	JE
Cyclohexane	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:52	JE
Dibromochloromethane	BRL	6.4		ug/Kg-dry		1	03/16/2012 22:52	JE
Dichlorodifluoromethane	BRL	13		ug/Kg-dry	159111	1	03/16/2012 22:52	JE

Qualifiers:

Date:

29-Mar-12

Narr See case narrative

^{*} 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

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-25 3-4'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 1:35:00 PM

Lab ID: 1203734-047 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW82601	3			(SW	5035)			
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			(SW	3550C)			
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:

BRL Below reporting limit

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-25 3-4'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 1:35:00 PM

Lab ID: 1203734-047 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW	3550C)			
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				(SW	3050B)			
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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Client: AMEC E&I, Inc. Client Sample ID: GP-24 3-4'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 1:55:00 PM

Lab ID: 1203734-048 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/M	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.114		mg/Kg-dry	158852	1	03/13/2012 15:30	LD
TCL VOLATILE ORGANICS SW82	260B			(SW	(5035)			
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		1	03/16/2012 23:17	JE
cis-1,2-Dichloroethene	BRL	5.3		ug/Kg-dry		1	03/16/2012 23:17	JE
cis-1,3-Dichloropropene	BRL	5.3		ug/Kg-dry		1	03/16/2012 23:17	JE
Cyclohexane	BRL	5.3		ug/Kg-dry		1	03/16/2012 23:17	JE
Dibromochloromethane	BRL	5.3		ug/Kg-dry		1	03/16/2012 23:17	JE
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	159111	1	03/16/2012 23:17	JE

Qualifiers:

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

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	Analys
TCL VOLATILE ORGANICS SW8260	В			(SW	5035)			
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			(SW	3550C)			
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		1	03/15/2012 19:25	NE
2-Methylnaphthalene	BRL	380		ug/Kg-dry		1	03/15/2012 19:25	NE
Acenaphthene	BRL	380		ug/Kg-dry		1	03/15/2012 19:25	NE
Fluorene	BRL	380		ug/Kg-dry		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		1	03/15/2012 19:25	NE
Benzo(k)fluoranthene	BRL	380		ug/Kg-dry		1	03/15/2012 19:25	NE
Benzo(a)pyrene	BRL	380		ug/Kg-dry		1	03/15/2012 19:25	NE
Dibenz(a,h)anthracene	BRL	380		ug/Kg-dry		1	03/15/2012 19:25	NE
Benzo(g,h,i)perylene	BRL	380		ug/Kg-dry		1	03/15/2012 19:25	NE
Indeno(1,2,3-cd)pyrene	BRL	380		ug/Kg-dry		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:

BRL Below reporting limit

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

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			(SW	3550C)			
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				(SW	3050B)			
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

Date:

29-Mar-12

Narr See case narrative NC Not confirmed

< Less than Result value

Client: AMEC E&I, Inc. Client Sample ID: GP-26 2-3'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 2:07:00 PM

Lab ID: 1203734-049 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.125		mg/Kg-dry	158852	1	03/13/2012 15:31	LD
TCL VOLATILE ORGANICS SW826	60B			(SW	(5035)			
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		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		1	03/16/2012 23:43	JE
Chloromethane	BRL	12		ug/Kg-dry		1	03/16/2012 23:43	JE
cis-1,2-Dichloroethene	BRL	6.2		ug/Kg-dry		1	03/16/2012 23:43	JE
cis-1,3-Dichloropropene	BRL	6.2		ug/Kg-dry		1	03/16/2012 23:43	JЕ
Cyclohexane	BRL	6.2		ug/Kg-dry		1	03/16/2012 23:43	JE
Dibromochloromethane	BRL	6.2		ug/Kg-dry		1	03/16/2012 23:43	JE
Dichlorodifluoromethane	BRL	12		ug/Kg-dry	159111	1	03/16/2012 23:43	JE

Qualifiers:

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-26 2-3'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 2:07:00 PM

Lab ID: 1203734-049 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260E	;			(SW	5035)			
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			(SW	3550C)			
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:

BRL Below reporting limit

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

Less than Result value

^{*} Value exceeds maximum contaminant level

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

Client: AMEC E&I, Inc. Client Sample ID: GP-26 2-3'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 2:07:00 PM

Lab ID: 1203734-049 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS	SW8270D			(SW.	3550C)			
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				(SW.	3050B)			
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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

Client: AMEC E&I, Inc. Client Sample ID: GP-23 2'

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 2:23:00 PM

Lab ID: 1203734-050 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW3	8050B)			
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

Date:

29-Mar-12

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

Client: AMEC E&I, Inc. Client Sample ID: SP-1

Project Name: 139 Brampton Road Property Collection Date: 3/8/2012 8:15:00 AM

Lab ID: 1203734-051 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				(SW.	3050B)			
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

Date:

29-Mar-12

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

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				(SW3	8050B)			
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

Date:

29-Mar-12

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

Client:AMEC E&I, Inc.Client Sample ID:TRIP BLANKProject Name:139 Brampton Road PropertyCollection 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				(SV	V5030B)			
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:

BRL Below reporting limit

Date:

29-Mar-12

Narr See case narrative

NC Not confirmed

^{*} Value exceeds maximum contaminant level

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

< Less than Result value

J Estimated value detected below Reporting Limit

Client:AMEC E&I, Inc.Client Sample ID:TRIP BLANKProject Name:139 Brampton Road PropertyCollection 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				(SW	V5030B)			
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)

Date:

29-Mar-12

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

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				(SW:	3050B)			
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

Date:

29-Mar-12

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

Sample/Cooler Receipt Checklist

Client Anic		Work Orde	r Number	1203734
Checklist completed by	109/2012			
Carrier name: FedEx UPS Courier Client US	S Mail Othe	r		
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 _	Coo	oler#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 Applicabl	e
Water - VOA vials have zero headspace? No VOA vials su	ibmitted	Yes _	No	
Water - pH acceptable upon receipt?	Yes	No	Not Applicabl	e
Adjusted?				
Sample Condition: Good Other(Explain)				-
(For diffusive samples or AIHA lead) Is a known blank include	led? Yes	N	No /	

See Case Narrative for resolution of the Non-Conformance.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklists

^{*} Samples do not have to comply with the given range for certain parameters.

AMEC E&I, Inc.

Project: 139 Brampton Road Property

Lab Order: 1203734

Client:

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 HYDROCARBON:	S	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 HYDROCARBON:	S	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 HYDROCARBON	S	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 HYDROCARBON	S	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 HYDROCARBON:	S	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 HYDROCARBON	3	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 HYDROCARBON:	S	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	3	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	3	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	3	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 HYDROCARBON	S	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 HYDROCARBON	S	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	3	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	3	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	3	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 HYDROCARBON	S	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 HYDROCARBON	S	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 HYDROCARBON	S	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

ANALYTICAL QC SUMMARY REPORT

Date:

30-Mar-12

Project Name: 139 Brampton Road Property

AMEC E&I, Inc.

BatchID: 158820

Workorder: 1203734

Client:

Sample ID: MB-158820	Client ID:	Units: ug/L			Date: 03/12	/2012	Run No: 216784			
SampleType: MBLK	TestCode: TC	CL VOLATILE ORGA	ANICS SW8260	В	Bat	tchID: 158820	Ana	lysis 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

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 associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158820

Date:

30-Mar-12

Sample ID: MB-158820 SampleType: MBLK	Client ID: TestCode: TO	TestCode: TCL VOLATILE ORGANICS SW8260B						Date: 03/12/ lysis Date: 03/12/		Run No: 216784 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	
Гoluene	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	
rans-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

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 associated method blank

H Holding times for preparation or analysis exceeded

30-Mar-12 Date:

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:				Un				/2012	Run No: 216784
SampleType: LCS	TestCode: TCL	VOLATILE ORGA	ANICS SW8260	В	Bat	tchID: 158820	Ana	llysis 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
Γoluene	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:				Un	its: ug/L	Prep	Date: 03/12	/2012	Run No: 216784
SampleType: MS	TestCode: TCL	VOLATILE ORGA	ANICS SW8260	В	Bat	tchID: 158820	Ana	llysis 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-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
Γoluene	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 SampleType: MSD	Client ID: TestCode: TCL	. VOLATILE ORGA	ANICS SW8260	В	Un Bat	its: ug/L tchID: 158820	•	Date: 03/12 O Date: 03/12	//2012 //2012	Run No: 216784 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-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 BRL Below reporting limit	ue			than Result value	tation range)			Analyte detected in the ass		
J Estimated value detect	ed below Reporting Limit		N Anal	yte not NELAC certified				RPD outside limits due to		
Rpt Lim Reporting Limit			S Spike	Recovery outside limits	uue to matrix					

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158820

Date:

30-Mar-12

Sample ID: 1203536-001AMSD	Client ID:				Uni	its: ug/L	Prep	Date: 03/12/	/2012	Run No: 216784
SampleType: MSD	TestCode: TO	L VOLATILE ORGA	NICS SW8260	В	Bat	chID: 158820	Ana	lysis 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Date: 30-Mar-12

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158824

Sample ID: MB-158824 Sample Type: MBLK	Client ID: TestCode:	METALS, TOTAL	SW6010C		Un Bat	its: mg/Kg chID: 158824	•	Date: 03/12 alysis Date: 03/13		Run No: 216973 Seq No: 4536314
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua
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
lilver	BRL	2.50	0	0	0	0	0	0	0	0
Sample ID: LCS-158824 SampleType: LCS	Client ID: TestCode:	METALS, TOTAL S	SW6010C		Un: Bat	its: mg/Kg chID: 158824	-	Date: 03/12 alysis Date: 03/13	//2012 //2012	Run No: 216973 Seq No: 4536313
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua
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
elenium	46.13	5.00	50	0	92.3	80	120	0	0	0
ilver	4.708	2.50	5	0.01549	93.9	80	120	0	0	0
Sample ID: 1203734-006DMS SampleType: MS		GP-03 1-2 METALS, TOTAL	SW6010C		Un: Bat	its: mg/Kg- chID: 158824		Date: 03/12 alysis Date: 03/13		Run No: 216973 Seq No: 4536317
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua
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
admium	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
ualifiers: > Greater than Result va	lue		< Less	than Result value			В	Analyte detected in the ass	ociated method	blank
BRL Below reporting limit				nated (value above quantit	ation range)			Holding times for preparat		

N Analyte not NELAC certified

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

Date:

30-Mar-12

Sample ID: 1203734-006DMS	Client ID: (Uni	its: mg/Kg-	dry Prep	Date: 03/12	/2012	Run No: 216973
SampleType: MS	TestCode: 1	METALS, TOTAL	SW6010C		Bat	chID: 158824	Ana	lysis 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			Uni	its: mg/Kg-	dry Prep	Date: 03/12	/2012	Run No: 216973
SampleType: MSD	TestCode: 1	METALS, TOTAL	SW6010C		Bat	chID: 158824	Ana	lysis 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Date: 30-Mar-12

Client: AMEC E&I, Inc.

Rpt Lim Reporting Limit

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158825

Sample ID: MB-158825 SampleType: MBLK	Client ID: TestCode:	METALS, TOTAL S	SW6010C		Un Bat	ts: mg/Kg chID: 158825		p Date: 03/12 alysis Date: 03/13	2/2012 3/2012	Run No: 216982 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
elenium	BRL	5.00	0	0	0	0	0	0	0	0
ilver	BRL	2.50	0	0	0	0	0	0	0	0
Sample ID: LCS-158825 SampleType: LCS	Client ID: TestCode:	METALS, TOTAL S	5W6010C		Un: Bat	its: mg/Kg chID: 158825		p Date: 03/12 alysis Date: 03/13	2/2012 3/2012	Run No: 216982 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
arium	48.42	5.00	50	0.4489	95.9	80	120	0	0	0
admium	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
ead	46.92	5.00	50	0.1957	93.4	80	120	0	0	0
elenium	45.83	5.00	50	0	91.7	80	120	0	0	0
ilver	4.724	2.50	5	0	94.5	80	120	0	0	0
Sample ID: 1203734-024AMS SampleType: MS	Client ID: TestCode:		SW6010C		Un: Bat	its: mg/Kg -chID: 158825	-	p Date: 03/12 alysis Date: 03/13	2/2012 3/2012	Run No: 216982 Seq No: 4536478
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
rsenic	47.08	5.05	50.51	1.339	90.6	75	125	0	0	0
arium	88.00	5.05	50.51	38.35	98.3	75	125	0	0	0
admium	47.52	2.53	50.51	0.3280	93.4	75	125	0	0	0
hromium	78.34	2.53	50.51	28.21	99.3	75	125	0	0	0
ualifiers: > Greater than Result va BRL Below reporting limit J Estimated value detec		g Limit	E Estim	than Result value ated (value above quantit	ation range)		Н	Analyte detected in the ass Holding times for preparat RPD outside limits due to	ion or analysis	

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

Date:

30-Mar-12

Sample ID: 1203734-024AMS SampleType: MS	Client ID: TestCode:		SW6010C		Uni Bat	ts: mg/Kg -chID: 158825	- '	Date: 03/		Run No: 216982 Seq No: 4536478
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	l %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 SampleType: MSD	Client ID: TestCode:		SW6010C		Uni Bat	its: mg/Kg -chID: 158825	- '	Date: 03/		Run No: 216982 Seq No: 4536479
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	l %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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

139 Brampton Road Property **Project Name:**

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

Date:

30-Mar-12

BatchID: 158830

Sample ID: MB-158830 SampleType: MBLK	Client ID: TestCode:	Total Organic Carbon S	W9060A Modifie	d	Uni Bat	ts: mg/Kg -chID: 158830		Date: 03/08 alysis Date: 03/13	3/2012 5/2012	Run No: 216950 Seq No: 4535725
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	•
Total Organic Carbon (TOC)	BRL	500	0	0	0	0	0	0	0	0
Sample ID: LCS-158830	Client ID:				Uni	ts: mg/Kg-	dry Pre	Date: 03/08	3/2012	Run No: 216950
SampleType: LCS	TestCode:	Total Organic Carbon S	W9060A Modifie	d	Bat	chID: 158830	Ana	llysis 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 Qua
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			Uni	ts: mg/Kg-	dry Pre	Date: 03/09	/2012	Run No: 216950
SampleType: DUP	TestCode:	Total Organic Carbon S	W9060A Modifie	d	Bat	chID: 158830	Ana	llysis 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 Qua
Total Organic Carbon (TOC)	BRL	500	0	0	0	0	0	287.9	0	50

Qualifiers: Greater than Result value

> BRL Below reporting limit

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 associated method blank

H Holding times for preparation or analysis exceeded

Date: 30-Mar-12

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:				Un		Prep	Date: 03/13	/2012 I	Run No: 216898
SampleType: MBLK	TestCode: POL	YAROMATIC HYI	DROCARBONS	SW8270D	Bat	chID: 158849	Ana	lysis 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
l-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 SampleType: LCS	Client ID: TestCode: POL	YAROMATIC HYI	DROCARBONS	SW8270D	Un Bat	its: ug/Kg chID: 158849	-	Date: 03/13 lysis Date: 03/13		Run No: 216898 Seq No: 4536009
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
l-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 Resul	t value			than Result value				Analyte detected in the ass		
BRL Below reporting lin				ated (value above quantit	ation range)			Holding times for preparat	-	ceeded
	etected below Reporting Limit			yte not NELAC certified			R I	RPD outside limits due to	matrix	
Rpt Lim Reporting Limit			S Spike	Recovery outside limits	due to matrix					

30-Mar-12 Date:

Client: AMEC E&I, Inc. **Project Name:**

139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158849

Sample ID: LCS-158849 SampleType: LCS	Client ID: TestCode: Po	OLYAROMATIC HYD	ROCARBONS	SW8270D	Un: Bat	its: ug/Kg tchID: 158849	•	Date: 03/13/ lysis Date: 03/13/		Run No: 216898 Seq No: 4536009
	Result	RPT Limit	SPK value	SPK Ref Val	%REC			RPD Ref Val	%RPD	
Analyte	Resuit	KP1 LIIIII	SPK value	SPK Rei vai	70KEC	LOW LIIIII	High Limit	KPD Kei vai	70KPD	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
luoranthene	1643	330	1667	0	98.6	72.6	120	0	0	0
luorene	1491	330	1667	0	89.5	60.4	120	0	0	0
ndeno(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:				Un	its: ug/Kg-c	lrv Prep	Date: 03/13/	2012	Run No: 216968

Sample ID: 1203712-003CMS SampleType: MS	Client ID: TestCode: PC	DLYAROMATIC HYD	PROCARBONS	SW8270D	Uni Bat	ts: ug/Kg chID: 158849	•	p Date: 03/1 alysis Date: 03/1	3/2012 4/2012	Run No: 216968 Seq No: 4538493
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limi	t 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

BRL Below reporting limit

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 associated method blank

H Holding times for preparation or analysis exceeded

Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below Reporting Limit

30-Mar-12 Date:

Client: AMEC E&I, Inc. **Project Name:**

139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158849

Sample ID: 1203712-003CMS SampleType: MS	Client ID: TestCode: P	OLYAROMATIC HYI	PROCARBONS	SW8270D	Uni Bat	ts: ug/Kg-c chID: 158849		Date: 03/13 lysis Date: 03/14		Run No: 216968 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 SampleType: MSD	Client ID:	OLYAROMATIC HYI	PROCARBONS	SW8270D	Uni Bat	ts: ug/Kg-c		Date: 03/13 lysis Date: 03/14		Run No: 216968 Seq No: 4537094
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC		High Limit	RPD Ref Val	%RPD	•
-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	ıe		< Less	than Result value			В	Analyte detected in the ass	ociated method	blank

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

N Analyte not NELAC certified

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158849

Date:

30-Mar-12

Sample ID: 1203712-003CMSD	Client ID:	POLYAROMATIC HYD	ROCARRONS	SW8270D	Uni	its: ug/Kg- chID: 158849		Date: 03/13/		Run No: 216968
SampleType: MSD	resicode.	OLIAKOMATIC IIID	ROCARDONS	34402700	Dat	CIIID. 150049	Alla	lysis 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

139 Brampton Road Property **Project Name:**

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158852

Date:

30-Mar-12

Sample ID: MB-158852 SampleType: MBLK	Client ID: TestCode:	TOTAL MERCURY	SW7471B		Uni Bat	ts: mg/Kg chID: 158852		p Date: 03/13 alysis Date: 03/13	3/2012 3/2012	Run No: 216931 Seq No: 4535299
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Mercury	BRL	0.100	0	0	0	0	0	0	0	0
Sample ID: LCS-158852 SampleType: LCS	Client ID: TestCode:	TOTAL MERCURY	SW7471B		Uni Bat	ts: mg/Kg chID: 158852		p Date: 03/13 alysis Date: 03/13	3/2012 3/2012	Run No: 216931 Seq No: 4535300
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qual
Mercury	0.4025	0.100	0.4	0	101	80	120	0	0	0
Sample ID: 1203734-006DMS SampleType: MS		GP-03 1-2 TOTAL MERCURY	SW7471B		Uni Bat	ts: mg/Kg- 0 chID: 158852	-	p Date: 03/13 alysis Date: 03/13	3/2012 3/2012	Run No: 216931 Seq No: 4535304
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qual
Mercury	0.5917	0.130	0.5196	0.06080	102	70	130	0	0	0
Sample ID: 1203734-006DMSD SampleType: MSD		GP-03 1-2 TOTAL MERCURY	SW7471B		Uni Bat	ts: mg/Kg- 6chID: 158852	-	p Date: 03/13 alysis Date: 03/13	3/2012 3/2012	Run No: 216931 Seq No: 4535305
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qual
Mercury	0.5853	0.130	0.5186	0.06080	101	70	130	0.5917	1.09	30

Qualifiers: Greater than Result value

> BRL Below reporting limit

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 associated method blank

H Holding times for preparation or analysis exceeded

30-Mar-12 Date:

Client: AMEC E&I, Inc.

Rpt Lim Reporting Limit

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158869

Sample ID: MB-158869 SampleType: MBLK	Client ID: TestCode:	METALS, TOTAL S	SW6010C		Un Bat	its: mg/Kg cchID: 158869		ep Date: 03/1 alysis Date: 03/1	3/2012 3/2012	Run No: 216986 Seq No: 45365	
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 SampleType: LCS	Client ID: TestCode:	METALS, TOTAL S	SW6010C		Un: Bat	its: mg/Kg chID: 158869		ep Date: 03/1 alysis Date: 03/1	3/2012 3/2012	Run No: 216986 Seq No: 45365	
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 SampleType: MS	Client ID: TestCode:		SW6010C		Un Bat	its: mg/Kg - cchID: 158869		ep Date: 03/1 alysis Date: 03/1	3/2012 3/2012	Run No: 216986 Seq No: 45365	
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 va BRL Below reporting limit J Estimated value detec		Limit	E Estim	than Result value lated (value above quantity te not NELAC certified	ation range)		B H R	Analyte detected in the as Holding times for prepara RPD outside limits due to	ation or analysis		

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

Date:

30-Mar-12

Sample ID: 1203734-048DMS SampleType: MS		GP-24 3-4' METALS, TOTAL	SW6010C		Uni Bat	ts: mg/Kg -chID: 158869		p Date: 03/1 alysis Date: 03/1	3/2012 3/2012	Run No: 216986 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 SampleType: MSD		GP-24 3-4' METALS, TOTAL	SW6010C		Uni Bat	ts: mg/Kg -chID: 158869		p Date: 03/1 alysis Date: 03/1	3/2012 3/2012	Run No: 216986 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Rpt Lim Reporting Limit

139 Brampton Road Property

Workorder: 1203734

Project Name:

ANALYTICAL QC SUMMARY REPORT

BatchID: 158938

Date:

30-Mar-12

Sample ID: MB-158938 SampleType: MBLK	Client ID: TestCode: PO	LYAROMATIC HYI	DROCARBONS	SW8270D	Uni Bat	ts: ug/Kg chID: 158938		Date: 03/15/ lysis Date: 03/15/		Run No: 217088 Seq No: 4540548
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
-Methylnaphthalene	BRL	330	0	0	0	0	0	0	0	0
-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
Inthracene	BRL	330	0	0	0	0	0	0	0	0
enz(a)anthracene	BRL	330	0	0	0	0	0	0	0	0
enzo(a)pyrene	BRL	330	0	0	0	0	0	0	0	0
enzo(b)fluoranthene	BRL	330	0	0	0	0	0	0	0	0
enzo(g,h,i)perylene	BRL	330	0	0	0	0	0	0	0	0
enzo(k)fluoranthene	BRL	330	0	0	0	0	0	0	0	0
Thrysene	BRL	330	0	0	0	0	0	0	0	0
ibenz(a,h)anthracene	BRL	330	0	0	0	0	0	0	0	0
luoranthene	BRL	330	0	0	0	0	0	0	0	0
luorene	BRL	330	0	0	0	0	0	0	0	0
ndeno(1,2,3-cd)pyrene	BRL	330	0	0	0	0	0	0	0	0
Taphthalene	BRL	330	0	0	0	0	0	0	0	0
henanthrene	BRL	330	0	0	0	0	0	0	0	0
yrene	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:				Uni	ts: ug/Kg	Prep	Date: 03/15	/2012	Run No: 217088
SampleType: LCS	TestCode: PO	LYAROMATIC HYI	DROCARBONS	SW8270D	Bat	chID: 158938	Ana	lysis 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
-Methylnaphthalene	1476	330	1667	0	88.5	61.9	120	0	0	0
-Methylnaphthalene	1514	330	1667	0	90.9	62.8	120	0	0	0
ualifiers: > Greater than Result				than Result value				Analyte detected in the asso		
BRL Below reporting lim	iit		E Estim	ated (value above quantita	ation range)		H I	Holding times for preparati	on or analysis e	xceeded

S Spike Recovery outside limits due to matrix

30-Mar-12 Date:

Client: AMEC E&I, Inc.

139 Brampton Road Property

Workorder: 1203734

Project Name:

ANALYTICAL QC SUMMARY REPORT

BatchID: 158938

Sample ID: LCS-158938 SampleType: LCS	Client ID: TestCode: PO	DLYAROMATIC HYI	PROCARBONS	SW8270D	Uni Bat	ts: ug/Kg chID: 158938		Date: 03/15. lysis Date: 03/15.		Run No: 217088 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
ndeno(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 SampleType: MS	Client ID: TestCode: PC	DLYAROMATIC HYD	PROCARBONS	SW8270D	Uni Bat	ts: ug/Kg - chID: 15893 8	•	p Date: 03 alysis Date: 03	3/15/2012 3/15/2012	Run No: 217088 Seq No: 4540556
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V	al %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

BRL Below reporting limit

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 associated method blank

H Holding times for preparation or analysis exceeded

30-Mar-12 Date:

Client: AMEC E&I, Inc. **Project Name:**

139 Brampton Road Property

Workorder: 1203734

BRL

Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below Reporting Limit

ANALYTICAL QC SUMMARY REPORT

BatchID: 158938

Sample ID: 1203A13-004DMS Sample Type: MS	Client ID: TestCode: F	POLYAROMATIC HYD	ROCARBONS	SW8270D	Uni Bat	ts: ug/Kg-c chID: 158938		p Date: 03/15 . alysis Date: 03/15 .		Run No: 217088 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
ndeno(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 SampleType: MSD	Client ID: TestCode: F	POLYAROMATIC HYD	ROCARBONS	SW8270D	Uni Bat	ts: ug/Kg-c chID: 158938		p Date: 03/15 alysis Date: 03/15		Run No: 217088 Seq No: 4540557
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
-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 valu	ne e		< Less	than Result value			В	Analyte detected in the asso	ociated method	blank

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

N Analyte not NELAC certified

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158938

Date:

30-Mar-12

Sample ID: 1203A13-004DMSD SampleType: MSD	Client ID: TestCode: F	POLYAROMATIC HYD	ROCARBONS	SW8270D	Uni Bat	ts: ug/Kg- cchID: 158938		Date: 03/15. lysis Date: 03/15.		Run No: 217088 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158983

Date:

30-Mar-12

Sample ID: MB-158983 SampleType: MBLK	Client ID: TestCode: TO	CL VOLATILE ORGA	NICS SW8260	В	Uni Bat	its: ug/Kg chID: 158983		Date: 03/15 / lysis Date: 03/15 /		un No: 217109 eq 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158983

Date:

30-Mar-12

Sample ID: MB-158983 SampleType: MBLK	Client ID: TestCode: TO	CL VOLATILE ORGA	NICS SW82601	В	Un Bat	its: ug/Kg chID: 158983		Date: 03/15. lysis Date: 03/15.		Run No: 217109 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
Гoluene	BRL	250	0	0	0	0	0	0	0	0
rans-1,2-Dichloroethene	BRL	250	0	0	0	0	0	0	0	0
rans-1,3-Dichloropropene	BRL	250	0	0	0	0	0	0	0	0
Γrichloroethene	BRL	250	0	0	0	0	0	0	0	0
Γrichlorofluoromethane	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

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 associated method blank

H Holding times for preparation or analysis exceeded

Date: 30-Mar-12

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158983

Sample ID: LCS-158983 SampleType: LCS	Client ID: TestCode: TCI	VOLATILE ORGA	ANICS SW8260	В	Uni Bat	ts: ug/Kg chID: 158983		Date: 03/15 lysis Date: 03/15	5/2012 5/2012	Run No: 217109 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 SampleType: MS	Client ID: TestCode: TCI	. VOLATILE ORGA	ANICS SW8260	В	Uni Bat	ts: ug/Kg-d chID: 158983		Date: 03/15 lysis Date: 03/15	5/2012 5/2012	Run No: 217109 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-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 SampleType: MSD	Client ID: TestCode: TCI	. VOLATILE ORGA	ANICS SW8260	В	Uni Bat	ts: ug/Kg-d chID: 158983		Date: 03/15 lysis Date: 03/15	5/2012 5/2012	Run No: 217109 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-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 BRL Below reporting limit J Estimated value detected Rpt Lim Reporting Limit	ed below Reporting Limit		E Estim N Analy	than Result value nated (value above quantity te not NELAC certified Recovery outside limits of	•		Н	Analyte detected in the ass Holding times for preparat RPD outside limits due to	ion or analysis	

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 158983

Date:

30-Mar-12

Sample ID: 1203967-002AMSD	Client ID:				Uni	its: ug/Kg	-dry Prep	Date: 03/15	/2012	Run No: 217109
SampleType: MSD	TestCode: TC	L VOLATILE ORGA	ANICS SW8260	В	Bat	chID: 15898	3 Ana	llysis Date: 03/15	/2012	Seq No: 4539145
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limi	t 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159042

Date:

30-Mar-12

Sample ID: MB-159042 SampleType: MBLK	Client ID: TestCode: TO	CL VOLATILE ORGA	NICS SW8260	В	Uni Bat	its: ug/Kg chID: 15904 2		Date: 03/16 lysis Date: 03/16		un No: 217206 eq 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159042

Date:

30-Mar-12

Sample ID: MB-159042 SampleType: MBLK	Client ID: TestCode: TO	CL VOLATILE ORGA	.NICS SW8260	В	Un Bat	its: ug/Kg chID: 159042		Date: 03/16/ lysis Date: 03/16/		tun No: 217206 eq 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159042

Date:

30-Mar-12

Sample ID: MB-159042	Client ID:	W. I. W. G	1.1. GGBIG	CANIDACOD		its: ug/Kg			5/2012	Run No: 217206	
SampleType: MBLK	TestCode:	Volatile Organic Compo	unds by GC/MS	SW8260B	Bat	tchID: 159042	Ana	alysis Date: 03/16	5/2012	Seq No: 4549855	5
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:				Un	its: ug/Kg	Prep	Date: 03/16	5/2012	Run No: 217244	
SampleType: LCS	TestCode:	TCL VOLATILE ORGA	ANICS SW8260	В	Bat	tchID: 159042	Ana	alysis Date: 03/16	5/2012	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	
Γrichloroethene	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:				Un	its: ug/Kg	Prep	Date: 03/16	5/2012	Run No: 217244	
SampleType: LCS	TestCode:	Volatile Organic Compo	unds by GC/MS	SW8260B	Bat	tchID: 159042	Ana	alysis Date: 03/16	5/2012	Seq No: 4549882	2
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qua
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

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 associated method blank

H Holding times for preparation or analysis exceeded

30-Mar-12 Date:

Client: AMEC E&I, Inc.

139 Brampton Road Property

Workorder: 1203734

Project Name:

ANALYTICAL QC SUMMARY REPORT

BatchID: 159042

Sample ID: 1203734-010AMS SampleType: MS	Client ID: G TestCode: To	P-09 1-2 CL VOLATILE ORGA	ANICS SW8260	В	Un Bat	its: ug/Kg-c chID: 159042		Date: 0:	3/16/2012 3/16/2012	Run No: 217206 Seq No: 4541257
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V	al %RPD	RPD Limit Qua
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 SampleType: MS	Client ID: G TestCode: Vo	P-09 1-2 Dolatile Organic Compo	unds by GC/MS	SW8260B	Un Bat	its: ug/Kg-c		Date: 0.	3/16/2012 3/16/2012	Run No: 217206 Seq No: 4549848
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V	al %RPD	RPD Limit Qua
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 SampleType: MSD	Client ID: G TestCode: To	P-09 1-2 CL VOLATILE ORGA	ANICS SW8260	В	Un Bat	its: ug/Kg-c		Date: 0	3/16/2012 3/16/2012	Run No: 217206 Seq No: 4541258
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V	al %RPD	RPD Limit Qua
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
Γoluene	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			< Lace	than Result value			P	Analyte detected in t	he associated method	blank

Qualifiers:

Greater than Result value

BRL Below reporting limit

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 associated method blank

Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

Date:

30-Mar-12

BatchID: 159042

Sample ID: 1203734-010AMSD SampleType: MSD	Client ID: (TestCode: T	GP-09 1-2 CCL VOLATILE ORGA	NICS SW8260	В	Unit Bato	ts: ug/Kg-d chID: 159042	•	r		Run No: 217206 Seq No: 454125	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref	`Val %RPD	RPD Limit	Qual
Surr: Toluene-d8	65.26	0	58.17	0	112	77.1	117	63.44	0	0	
Sample ID: 1203734-010AMSD SampleType: MSD	Client ID: (TestCode: V	GP-09 1-2 Volatile Organic Compou	ands by GC/MS	SW8260B	Uni Bato	ts: ug/Kg-d chID: 159042		r		Run No: 217206 Seq No: 454985	
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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159111

Date:

30-Mar-12

Sample ID: MB-159111 SampleType: MBLK	Client ID: TestCode: TO	CL VOLATILE ORGA	NICS SW8260	В	Uni Bat	its: ug/Kg chID: 159111		Date: 03/16 / lysis Date: 03/16 /		un No: 217244 eq 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159111

Date:

30-Mar-12

Sample ID: MB-159111 SampleType: MBLK	Client ID: TestCode: TO	CL VOLATILE ORGA	.NICS SW8260	В	Un Bat	its: ug/Kg chID: 159111		Date: 03/16/ lysis Date: 03/16/		eq 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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159111

Date:

30-Mar-12

Sample ID: MB-159111	Client ID:				Un	its: ug/Kg	Prep	Date: 03/16	5/2012	Run No: 217244
SampleType: MBLK	TestCode:	Volatile Organic Compo	unds by GC/MS	SW8260B	Ba	tchID: 159111	Ana	lysis Date: 03/16	5/2012	Seq No: 4549781
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua
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:				Un	its: ug/Kg	Prep	Date: 03/16	5/2012	Run No: 217244
SampleType: LCS	TestCode:	TCL VOLATILE ORGA	ANICS SW8260	В	Ba	tchID: 159111	Ana	lysis Date: 03/16	5/2012	Seq No: 4542672
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua
,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
Γoluene	61.00	5.0	50	0	122	70	130	0	0	0
Γrichloroethene	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:			CIVIDA COD	Un	0 0			5/2012	Run No: 217244
SampleType: LCS	TestCode:	Volatile Organic Compo	unds by GC/MS	SW8260B	Ba	tchID: 159111	Ana	lysis Date: 03/16	5/2012	Seq No: 4549788
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua
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

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 associated method blank

H Holding times for preparation or analysis exceeded

30-Mar-12 Date:

Client: AMEC E&I, Inc.

139 Brampton Road Property **Project Name:**

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159111

Sample ID: 1203734-007AMS SampleType: MS	Client ID: GI TestCode: TO	P-03 6-7 CL VOLATILE ORGA	ANICS SW8260	В	Un Bat	its: ug/Kg-c chID: 159111		Date: 03/1 lysis Date: 03/1	6/2012 6/2012	Run No: 217244 Seq No: 4542675
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua
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 SampleType: MS	Client ID: Gl TestCode: Vo	P-03 6-7 latile Organic Compo	unds by GC/MS	SW8260B	Un: Bat	its: ug/Kg-c		Date: 03/1 lysis Date: 03/1	6/2012 6/2012	Run No: 217244 Seq No: 4549791
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua
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 SampleType: MSD	Client ID: Gl TestCode: TO	P-03 6-7 CL VOLATILE ORGA	ANICS SW8260	В	Un Bat	its: ug/Kg-c		Date: 03/1 lysis Date: 03/1	6/2012 6/2012	Run No: 217244 Seq No: 4542679
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua
,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
richloroethene	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 valu	ne		< Less	than Result value			В	Analyte detected in the as	sociated method	blank

BRL Below reporting limit

Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

Date:

30-Mar-12

BatchID: 159111

Sample ID: 1203734-007AMSD SampleType: MSD	Client ID: TestCode:	GP-03 6-7 ICL VOLATILE ORGA	NICS SW8260	В	Uni Bato	ts: ug/Kg-d chID: 159111	•	1		Run No: 217244 Seq No: 454267	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref	Val %RPD	RPD Limit	Qual
Surr: Toluene-d8	66.94	0	60.2	0	111	77.1	117	67.16	0	0	
Sample ID: 1203734-007AMSD SampleType: MSD	Client ID: TestCode:	GP-03 6-7 Volatile Organic Compou	ands by GC/MS	SW8260B	Uni Bato	ts: ug/Kg-d chID: 159111	•	1		Run No: 21724 4 Seq No: 45497 9	
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

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 associated method blank

H Holding times for preparation or analysis exceeded

Client: AMEC E&I, Inc.

Project Name: 139 Brampton Road Property

Workorder: 1203734

ANALYTICAL QC SUMMARY REPORT

BatchID: 159434

Date:

30-Mar-12

Sample ID: MB-159434 SampleType: MBLK	Client ID: TestCode:	METALS, TOTAL	SW6010C		Uni Bat	its: mg/Kg chID: 159434		ep Date: 03/20 alysis Date: 03/2	6/2012 7/2012	Run No: 217895 Seq No: 4556033
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qual
Lead	BRL	5.00	0	0	0	0	0	0	0	0
Sample ID: LCS-159434 SampleType: LCS	Client ID: TestCode:	METALS, TOTAL	SW6010C		Uni Bat	its: mg/Kg chID: 159434		•	6/2012 7/2012	Run No: 217895 Seq No: 4556032
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qual
Lead	47.74	5.00	50	0	95.5	80	120	0	0	0
Sample ID: 1203K64-004BMS SampleType: MS	Client ID: TestCode:	METALS, TOTAL	SW6010C		Uni Bat	its: mg/Kg- chID: 159434	•	ep Date: 03/20 alysis Date: 03/2	6/2012 7/2012	Run No: 217895 Seq No: 4556037
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	RPD Limit Qual
Lead	174.0	7.25	72.53	113.1	83.9	75	125	0	0	0
Sample ID: 1203K64-004BMSD SampleType: MSD	Client ID: TestCode:	METALS, TOTAL	SW6010C		Uni Bat	its: mg/Kg -chID: 159434	-	ep Date: 03/20 alysis Date: 03/2	6/2012 7/2012	Run No: 217895 Seq No: 4556038
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPE	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

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 associated method blank

H Holding times for preparation or analysis exceeded

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

Kathum E. Water

Project Manager

CHAIN OF CUSTODY

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

Page (

Work Order: 1203 K17

Date: 3/27/12

οţ

No # of Containers \mathcal{A} \geq Same Day Rush (auth req.) II II III to check on the status of your results, place bottle Turnaround Time Request Standard 5 Business Days www.aesatlanta.com Fax? Y/N Next Business Day Rush 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. Visit our website 2 Business Day Rush Fotal # of Containers orders, etc. STATE PROGRAM (if any): REMARKS DATA PACKAGE: Other E-mail? Y/N; GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water 139 Bramples Rosel Property PROJECT INFORMATION ANALYSIS REQUESTED PRESERVATION (See codes) Savnah, 64 IF DIFFERENT FROM ABOVE) 60 1219 SEND REPORT TO: PROJECT NAME: ITE ADDRESS: INVOICE TO: QUOTE # 149 th DATE/TIME Matrix (See codes) 3 8 CLEAR FedEX UPS MAIL COURIER Composite SHIPMENT METHOD VIA Grab GREYHOUND OTHER 396 Plasts Are Esio Lishoh 4560 2701 RECEIVERER SIGNATURE 3/6/12 3/9/2 OUT FAX Z DATE/TIME 7/24/1 HOS SAMPLE ID SPECIAL INSTRUCTIONS/COMMENTS: 7-16-74-T 2.3, 404 BIJ 0153 GP-13 **VELINQUISHED BY** 56-15 AMPLED BY OMPANY HONE

SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

GW = Groundwater SE = Sediment SU = Soil SW = Suitave value of the Suita MATRIX CODES: A = Air PRESERVATIVE CODES:

Ħ

10 11 12

Client: AMEC E&I, Inc. Client Sample ID: GP-13 2-3'

Project Name: 139 Brampton Road Property Collection Date: 3/6/2012 9:57:00 AM

Lab ID: 1203K17-001 **Matrix:** Soil

Analyses	Result	Reporting Limit Q	ual Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C			(SW	3050B)			
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

Date:

29-Mar-12

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: 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				(SW:	3050B)			
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

Date:

29-Mar-12

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

Sample/Cooler Receipt Checklist

Client Macke	_	Work Orde	er Number 1203 K17
Checklist completed by Mark Signature	3-23-12 Date		
Carrier name: FedEx UPS Courier Client	US Mail Othe	r	
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	Co	oler#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 vial	s submitted 🟒	Yes	No
Water - pH acceptable upon receipt?	Yes	No	Not Applicable
	Che		
Sample Condition: Good Other(Explain)			
(For diffusive samples or AIHA lead) Is a known blank inc	cluded? Yes	1	No /

See Case Narrative for resolution of the Non-Conformance.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklists

^{*} Samples do not have to comply with the given range for certain parameters.

Client: AMEC E&I, Inc.

Project: 139 Brampton Road Property

Lab Order: 1203K17

Dates Report

Date: 29-Mar-12

I ah Campia ID	Client Comple ID	Callaction Data	Mateix	Toot Name	TCI D Dete	Draw Data	Analysis Data
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

Date:

29-Mar-12

Sample ID: MB-159434	Client ID:				Unit	ts: mg/Kg	Prep	Date: 03/26	/2012	Run No: 217895
SampleType: MBLK	TestCode:	METALS, TOTAL	SW6010C		Bato	chID: 159434	Ana	lysis 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 SampleType: LCS	Client ID: TestCode:	METALS, TOTAL	SW6010C		Unit Bato	ts: mg/Kg chID: 159434	-	Date: 03/26 lysis Date: 03/27		Run No: 217895 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 SampleType: MS	Client ID: TestCode:	METALS, TOTAL	SW6010C		Unit Bato	ts: mg/Kg -chID: 159434	• .	Date: 03/26 lysis Date: 03/27		Run No: 217895 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 SampleType: MSD	Client ID: TestCode:	METALS, TOTAL	SW6010C		Unit Batc	ts: mg/Kg- chID: 159434	-	Date: 03/26 lysis Date: 03/27		Run No: 217895 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

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 associated method blank

H Holding times for preparation or analysis exceeded

R RPD 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

Kathum E. Water

Project Manager

CHAIN OF CUSTODY

ANALYTICAL ENVIRONMENTAL SERVICES, INC 3785 Presidential Parkway, Atlanta GA 30340-3704

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

AES

1803L63 SECOLO Mork Order: 1057

oţ, Date: 3/8/12

49 No # of Containers e ૭ O 0 و Q e \geq to check on the status of your results, place bottle Same Day Rush (auth req.) www.aesatlanta.com Tumaround Time Request Standard 5 Business Days Fax? Y/N Next Business Day Rush 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. Visit our website 2 Business Day Rush Ξ Total # of Containers orders, etc. RECEIPT REMARKS STATE PROGRAM (if any): DATA PACKAGE: Other 3-mail? Y / N; 400 **₹** 9000*0* Popul ANALYSIS REQUESTED PRESERVATION (See codes PROJECT INFORMATION 139 Brings RJ Samuel CA 6121 09 0220 tak 3-1K IF DIFFERENT FROM ABOVE) EO 1401 H W × SEND REPORT TO: ROJECT NAME MCFF 1/4 SITE ADDRESS INVOICE TO ROJECT # 4149 8/1 QUOTE # 100 ms DATE/TIME (See codes) ŏ 20 Matrix SLATENT FEDEX UPS MAIL COURIER Composite SOR Phiko AVE SHIPMENT METHOD VIA Citab OTHER ENO US HOH ATEN SA SIGNATURE: 728 4480 1546 128 2061 1312 2180 0840 TIME 1610 1613 4161 6120 178.0 1651 GREYHOUND SAMPLED RECEIVED BY 3/19/15 3/2/12 3/6/12 3/5/12 OUT 2 DATE/TIME 17. B. H. S.AMPLE ID 10-12 SPECIAL INSTRUCTIONS/COMMENTS 404 817 0183 7-4 1-2 3-4 ونع 1-2 ~-5-6 7-1 6-3 1-2 5-3 4 0 AMFL E 0 10-M3 GP-04 GP 02 GR-02 6-6-09 6P-31 66.09 6-10 10-25 6-6-03 6-03 01-4 5610 **VELINQUISHED BY** AMPLED BY COMPAN HONE 10 7 13 13

MATRIX CODES. A * Arr GW = Groundwater so = sequirien so constructed by the solution of the so GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188 ANALYTICAL ENVIRONMENTAL SERVICES, INC 3785 Presidential Parkway, Atlanta GA 30340-3704

CHAIN OF CUSTODY

1203263 300 Work Order 1203754 Page 2 Date: 3/8/17

No # of Containers 9 0 O \geq your results, place bottle to check on the status of Same Day Rush (auth req.) www.aesatlanta.com Furnavound Time Request III III Standard 5 Business Days Next Business Day Rush Fax? Y/N 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. Visit our website 2 Business Day Rush Total # of Containers RECEIPT orders, etc. REMARKS STATE PROGRAM (if any): DATA PACKAGE: E-mail? Y/N; 000 0 139 Bourstan Re Property PRESERVATION (See codes) ANALYSIS REQUESTED PROJECT INFORMATION 6121 00 0220 Sommel, GA Tyler Back PO# IF DIFFERENT FROM ABOVE) Lud W SEND REPORT TO PROJECT NAME (142W SITE ADDRESS: INVOICE TO PROJECT #; 'H to QUOTE #: ٧N 501 lug DATE/TIME (See codes) Matrix CLIENT FEDEX UPS MAIL COURIER 21:4 эмsodшo ⁻ SHIPNENT METHOD VIA 404 811 6183 Grab OTHER 396 Phst. L チャラット らも 0954 9260 0933 900/ 1345 0934 TIME GREYHOUND 4160 8115 1220 1325 1328 1007 102 1330 SAMPLED RECEIVED BY SIGNATURE 3/19/15 3/6/12 DATE ADDRESS OUT Z DATE/TIME SAMPLE ID SPECIAL INSTRUCTIONS/COMMENTS Boyles 424 817 0153 1-2 õ 7 1.7 0-1 0-0 6-16 6-7 SAMPLED BY. TYK 5-16 1-5 4 i AMEL D-9-1 41-25 6.8-13 GP-13 RELINQUISHED BY 6-11 6-6-12 GP 47 GP-11 51-8-1 6-8-14 6-15 6-8-15 PHONE 01 13 #

GW = Groundwater SE = Sediment SU = Souling acid + ice SM+I = Souling Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client GW = Groundwater SE = Sediment SO = Soil SW = Surface (Water W - Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water MATRIX CODES. A - Air

PRESERVATIVE CODES:

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

AES

ەر 10 1203163 Page 3 CHAIN OF CUSTODY KICK Work Order:

38 No # of Containers O Q د 2 Same Day Rush (auth req.) your results, place bottle to check on the status of Fumaround Time Request 111 111 Standard 5 Business Days Fax? Y/N www.aesatlanta.com Next Business Day Rush 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. 2 Business Day Rush Visit our website Total # of Containers RECEIPT orders, etc. STATE PROGRAM (if any): RENIARKS DATA PACKAGE: Other E-mail? Y/N; 139 Bampha Rol lopely PROJECT INFORMATION PRESERVATION (See codes) ANALYSIS REQUESTED Sunnel 14 Tyler Book C120 po 1219 IF DIFFERENT FROM ABOVE) $\mathbf{z}\mathbf{x}$ -VIV דמיץ SEND REPORT TO ROJECT NAME SITE ADDRESS 942W **Y**/ INVOICE TO PROJECT # (H+) m QUOTE #: × × INS **LOC?** DATE/TIME Matrix (See codes) ጽ R CLENT FEDEX UPS MAIL COURIER 5,50 Composite SHIPMENT METHOD ٧IA TO 1810 0183 GREYHOUND OTHER Grab 396 plastos AL Athir GA 1423 1602 6280 2905 1347 TIME 1400 1433 1726 009/ 1625 1648 4280 9480 SAMPLED RECEIVED BY SIGNATURE 3/1/5 3/1/2 3/1/12 3/11/2 3/4/12 3/1/12 DATE .50 Z DATE/TIME S 2-3 2-370 GROS SAMPLE ID SPECIAL INSTRUCTIONS/COMMENTS: Boyk, 40x 8:0 0153 4-51 , 4-8 2-6 1 - 61-27 -ი 4 AMEC 1 6-02 7-34 68.20 GP-07 6P-07 GP-06 EW-2 40 LEL INQUISHED BY GP 18 9 67-17 81-85 6-6-10 SAMPLEDBY HONE 14 13 01 12 ø

MATRIX CODES. A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water (Blanks) 13W = Drinking Water (Blanks) O = Other (specify) WW = Wasie Water

Page 4 of 9

CHAIN OF CUSTODY

1/62 1203/63

ot,

Page 4

Date:

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

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

AES

S No # of Containers ی O e 2 your results, place bottle to check on the status of Same Day Rush (auth req.) www.aesatlanta.com Cumaround Time Request Η Standard 5 Business Days Fax? YIN Next Business Day Rush 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. Visit our website 1 1 2 Business Day Rush Total # of Containers orders, etc. RECEIPT REMARKS STATE PROGRAM (1/ any): DATA PACKAGE: -mail? Y/N; Other For 古子 140 000 0 139 Brampton RI Papel ANALYSIS REQUESTED PRESERVATION (See codes) PROJECT INFORMATION Sovemen, CA 6121 69 0220 INVOICE TO: (IF DIFFERENT FROM ABOVE) Lead VN XX × × SEND REPORT TO: 47PW PROJECT NAME ITE ADDRESS 1/1 R ROJECT #: HAY QUOTE #: R UN Z 50/ has 8 DATE/TIME (See codes) S Maurix FedEx UPS MAIL COURIER ¥ composite SHIPMENT METHOD VIA Grab GREYHOUND OTHER 454 S 404 817 0183 TIME 1335 1355 404 1423 396 1317 5450 2060 8160 260 1319 5180 SAMPLED CLIENT RECEIVED BY SIGNATURE 3/1/5 3/1/12 3/8/12 DATE 3/8/12 270 Z DATE/TIME 3/8/12 2.3 SAMPLE ID GP-26 15-7 F. SPECIAL INSTRUCTIONS/COMMENTS: 0153 3.4. FRIP BLAND 4 4 LIS YOY AMEC GR-22 68-22 69-23 6-9-25 68.24 56-2 6-21 12-65 ELINOUISHED BY 58-1 # T SAMPLED BY. 7 10 13 # 0 13

O = Other (specify) NA = None
White Copy - Original; Yellow Copy - Client MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO :: Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Water Water N = Nitric acid S+1 = Sulfunc acid + ice S/M+1 = Sodium Bisulfate/Methanol + ice H+I = Hydrochloric acid + 1ce I = Icc only PRESERVATIVE CODES:

Client: AMEC E&I, Inc.

Project: 139 Brampton Road Property

Case Narrative

Date:

31-Mar-12

Lab ID: 1203L63

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.

Client: AMEC E&I, Inc. Client Sample ID: SP-2

Project Name: 139 Brampton Road Property Collection Date: 3/8/2012 9:45:00 AM

Lab ID: 1203L63-001 Matrix: Soil

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ICP METALS, TCLP	SW1311/6010C				(SV	W3010A)			
Lead		0.413	0.0500		mg/L	159581	1	03/29/2012 16:17	TA

Date:

31-Mar-12

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

Sample/Cooler Receipt Checklist

Work Order Number ## 03/09/2012

Date Carrier name: FedEx __ UPS __ Courier __ Client __ US Mail __ Other ____ Yes ___ No __ Not Present __ 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? 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 / All samples received within holding time? Yes / No _ Was TAT marked on the COC? Yes __ No ___ Not Applicable ___ Proceed with Standard TAT as per project history? Water - VOA vials have zero headspace? No VOA vials submitted Yes Yes __ No ___ Not Applicable ___ Water - pH acceptable upon receipt? 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.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt Checklists

^{*} Samples do not have to comply with the given range for certain parameters.

ytical Environmental Services, Inc Date: 31-Mar-12

Client: AMEC E&I, Inc.

139 Brampton Road Property

Workorder: 1203L63

Project Name:

ANALYTICAL QC SUMMARY REPORT

BatchID: 159581

Sample ID: MB-159581 SampleType: MBLK	Client ID: TestCode:	ICP METALS, TCLP	SW1311/6010C		Unit Bate	s: mg/L thID: 159581		p Date: 03/29 alysis Date: 03/29		Run No: 218154 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 SampleType: MBLK	Client ID: TestCode:	ICP METALS, TCLP	SW1311/6010C		Unit Batc	s: mg/L thID: 159581		p Date: 03/29 alysis Date: 03/29		Run No: 218154 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 SampleType: LCS	Client ID: TestCode:	ICP METALS, TCLP	SW1311/6010C		Unit Batc	s: mg/L thID: 159581		p Date: 03/29 alysis Date: 03/29	2/2012 2/2012	Run No: 218154 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 SampleType: MS	Client ID: TestCode:	ICP METALS, TCLP	SW1311/6010C		Unit Bato	s: mg/L shID: 159581		p Date: 03/29 alysis Date: 03/29	0/2012 0/2012	Run No: 218154 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 SampleType: MSD	Client ID: TestCode:	ICP METALS, TCLP	SW1311/6010C		Unit Bato	s: mg/L thID: 159581		p Date: 03/29 alysis Date: 03/29	0/2012 0/2012	Run No: 218154 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

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 associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Client: AMEC E&I, Inc. Client Sample ID: EW-2

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 11:30:00 AM

Date:

16-Mar-12

Lab ID: 1203706-001 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260	В			(SV	V5030B)			
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:

Narr See case narrative

NC Not confirmed

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: EW-2

Project Name: 139 Brampton Road Property Collection Date: 3/7/2012 11:30:00 AM

Date:

16-Mar-12

Lab ID: 1203706-001 Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW	/5030B)			
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				(SW	/3005A)			
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				(SW	/7470A)			
Mercury	BRL	0.00020		mg/L	158904	1	03/14/2012 16:48	LD
Mercury, Dissolved SW7470A				(SW	/7470A)			
Mercury	BRL	0.00020		mg/L	158903	1	03/14/2012 16:03	LD
METALS, TOTAL SW6010C				(SW	/3010A)			
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:

BRL Below reporting limit

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

^{*} Value exceeds maximum contaminant level

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

Client: AMEC E&I, Inc. Client Sample ID: GP-03 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 5:00:00 PM

Lab ID: 1203734-006 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
Volatile Organic Compounds by GC/MS	S SW8260B			(SW	(5035)			
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				(SW	7471B)			
Mercury	BRL	0.129		mg/Kg-dry	158852	1	03/13/2012 14:42	LD
TCL VOLATILE ORGANICS SW820	60B			(SW	(5035)			
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		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		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:

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

^{*} 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

< Less than Result value

J Estimated value detected below Reporting Limit

Client: AMEC E&I, Inc. Client Sample ID: GP-03 1-2

Project Name: 139 Brampton Road Property Collection Date: 3/5/2012 5:00:00 PM

Lab ID: 1203734-006 **Matrix:** Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analys
TCL VOLATILE ORGANICS SW8260	В			(SW	5035)			
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	JЕ
Toluene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JЕ
trans-1,2-Dichloroethene	BRL	6.2		ug/Kg-dry	159042	1	03/16/2012 18:15	JЕ
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	JЕ
Surr: Dibromofluoromethane	117	71.8-135		%REC	159042	1	03/16/2012 18:15	JЕ
Surr: Toluene-d8	102	77.1-117		%REC	159042	1	03/16/2012 18:15	JE
POLYAROMATIC HYDROCARBONS	SW8270D			(SW	3550C)			
Naphthalene	BRL	430		ug/Kg-dry	158849	1	03/14/2012 17:31	NE
Acenaphthylene	BRL	430		ug/Kg-dry		1	03/14/2012 17:31	NE
1-Methylnaphthalene	BRL	430		ug/Kg-dry		1	03/14/2012 17:31	NE
2-Methylnaphthalene	BRL	430		ug/Kg-dry		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		1	03/14/2012 17:31	NE
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry		1	03/14/2012 17:31	NE
Benzo(a)pyrene	BRL	430		ug/Kg-dry		1	03/14/2012 17:31	NE
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry		1	03/14/2012 17:31	NE
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry		1	03/14/2012 17:31	NE
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry		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:

BRL Below reporting limit

Date:

29-Mar-12

Narr See case narrative
NC Not confirmed

Less than Result value

J Estimated value detected below Reporting Limit

^{*} Value exceeds maximum contaminant level

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

Analytical Report 459815

for AMEC E&I, Inc.

Project Manager: Tyler Boyles

139 Brampton Road

6121090220

08-APR-13

Collected By: Client





6017 Financial Dr., Norcross, GA 30071 Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135) Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Lakeland: Florida (E84098)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)





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 RoadProject Address: Atlanta, GA

Tyler Boyles:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459815. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459815 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Dijana Piljak

Dijana Liljak

Project Manager

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

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



Sample Cross Reference 459815



AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GP-27-1'	S	03-19-13 10:10		459815-001
GP-28-1'	S	03-19-13 10:40		459815-003
GP-29-1'	S	03-19-13 11:05		459815-005
GP-30-1'	S	03-19-13 12:02		459815-007
GP-31-1'	S	03-19-13 13:55		459815-009
GP-32-1-2'	S	03-19-13 14:33		459815-011
GP-33-1'	S	03-19-13 15:30		459815-013
GP-34-2-3'	S	03-19-13 16:00		459815-015
GP-35-2-3'	S	03-19-13 16:29		459815-017
GP-36-2-3'	S	03-19-13 17:04		459815-019
GP-37-1'	S	03-19-13 17:15		459815-021
GP-38-1'	S	03-19-13 17:45		459815-023
DUP-1	S	03-19-13 17:45		459815-025
DUP-2	S	03-19-13 16:29		459815-026
GW-9	W	03-20-13 10:50		459815-027
EW-3	W	03-20-13 12:06		459815-028
Trip Blank	W	03-20-13 00:00		459815-029
GP-32-1'	S	03-19-13 14:31		459815-030
GP-27-2'	S	03-19-13 10:12		Not Analyzed
GP-28-2'	S	03-19-13 10:42		Not Analyzed
GP-29-2'	S	03-19-13 11:07		Not Analyzed
GP-30-2'	S	03-19-13 12:04		Not Analyzed
GP-31-2'	S	03-19-13 13:57		Not Analyzed
GP-32-3-4'	S	03-19-13 14:35		Not Analyzed
GP-33-2'	S	03-19-13 15:35		Not Analyzed
GP-34-3-5'	S	03-19-13 16:02		Not Analyzed
GP-35-3-5'	S	03-19-13 16:31		Not Analyzed
GP-36-3-5'	S	03-19-13 17:06		Not Analyzed
GP-37-2'	S	03-19-13 17:17		Not Analyzed
GP-38-2'	S	03-19-13 17:47		Not Analyzed

CASE NARRATIVE



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



 Project ID:
 6121090220
 Report Date:
 08-APR-13

 Work Order Number(s):
 459815
 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





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





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





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST10.60.100%03.26.13 13.001





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 **Analysis Date** Flag Dil Units Cas Number Result RL7439-92-1 BRL 1 Lead 5.23 U mg/kg 03.28.13 14.51

Analytical Method: Percent Moisture

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST8.990.100%03.26.13 13.001





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST15.40.100%03.26.13 13.001





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

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	12.7	0.100	%	03.26.13 13.00		1



Seq Number:

Methylene chloride

909932

Certificate of Analytical Results 459815



Basis: Dry Weight

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GP-32-1-2' Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: 459815-011 Date Collected: 03.19.13 14.33

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 12.67

Analyst: MLA Date Prep: 03.25.13 15.49

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
,2-Dichlorobenzene	95-50-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
,2-Dichloroethane	107-06-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
,2-Dichloropropane	78-87-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
,3-Dichlorobenzene	541-73-1	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
,4-Dichlorobenzene	106-46-7	BRL	0.00492	mg/kg	03.25.13 09.11	U	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
-Hexanone	591-78-6	BRL	0.00984	mg/kg	03.25.13 09.11	U	1
-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
eis-1,2-Dichloroethene	156-59-2	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
eis-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
sopropylbenzene	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
	75.00.2	DDI	0.00402	71	02 25 12 00 11		

BRL

0.00492

75-09-2

mg/kg

03.25.13 09.11

U





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GP-32-1-2' Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-011** Date Collected: 03.19.13 14.33

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 12.67

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
95-47-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
100-42-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
127-18-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
108-88-3	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
156-60-5	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
10061-02-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
79-01-6	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
75-69-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
75-01-4	BRL	0.00492	mg/kg	03.25.13 09.11	U	1
	95-47-6 100-42-5 127-18-4 108-88-3 156-60-5 10061-02-6 79-01-6 75-69-4	95-47-6 BRL 100-42-5 BRL 127-18-4 BRL 108-88-3 BRL 156-60-5 BRL 10061-02-6 BRL 79-01-6 BRL 75-69-4 BRL	95-47-6 BRL 0.00492 100-42-5 BRL 0.00492 127-18-4 BRL 0.00492 108-88-3 BRL 0.00492 156-60-5 BRL 0.00492 10061-02-6 BRL 0.00492 79-01-6 BRL 0.00492 75-69-4 BRL 0.00492	95-47-6 BRL 0.00492 mg/kg 100-42-5 BRL 0.00492 mg/kg 127-18-4 BRL 0.00492 mg/kg 108-88-3 BRL 0.00492 mg/kg 156-60-5 BRL 0.00492 mg/kg 10061-02-6 BRL 0.00492 mg/kg 79-01-6 BRL 0.00492 mg/kg 75-69-4 BRL 0.00492 mg/kg	95-47-6 BRL 0.00492 mg/kg 03.25.13 09.11 100-42-5 BRL 0.00492 mg/kg 03.25.13 09.11 127-18-4 BRL 0.00492 mg/kg 03.25.13 09.11 108-88-3 BRL 0.00492 mg/kg 03.25.13 09.11 156-60-5 BRL 0.00492 mg/kg 03.25.13 09.11 10061-02-6 BRL 0.00492 mg/kg 03.25.13 09.11 79-01-6 BRL 0.00492 mg/kg 03.25.13 09.11 75-69-4 BRL 0.00492 mg/kg 03.25.13 09.11	95-47-6 BRL 0.00492 mg/kg 03.25.13 09.11 U 100-42-5 BRL 0.00492 mg/kg 03.25.13 09.11 U 127-18-4 BRL 0.00492 mg/kg 03.25.13 09.11 U 108-88-3 BRL 0.00492 mg/kg 03.25.13 09.11 U 156-60-5 BRL 0.00492 mg/kg 03.25.13 09.11 U 10061-02-6 BRL 0.00492 mg/kg 03.25.13 09.11 U 79-01-6 BRL 0.00492 mg/kg 03.25.13 09.11 U 75-69-4 BRL 0.00492 mg/kg 03.25.13 09.11 U

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	





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST13.40.100%03.26.13 13.001





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

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' Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-015** Date Collected: 03.19.13 16.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 15.45

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

1,1,1-Trichloroethane
1,1,2-Trichloro-1,2,2-Trifluoroethane 76-13-1 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,1,1-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-Dichloroethane 75-34-3 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,2-Dichloroethane 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-Dibromothane (EDB) 106-93-4 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,2-Dichloroethane 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-Dichloroethane 107-06-2 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,2-Dichloroethane 106-46-7 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,3-Dichloroethane 106-46-7 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,4-Dichloroethane 123-91-1 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,4-Dichloroethane 123-91-1 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,4-Dichloroethane 123-91-1 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,4-Dichloroethane 591-78-6 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.013 0.0102 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.013 0.0102 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U 1 1-Actone 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U
1,1,2-Trichloroethane
1,1-Dichloroethane
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 0.00510 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 1,4-Methyl-2-pentanone (MEK) 78-93-3 BRL 0.0102 mg/kg 03.25.13 13.42 U 1 2-Hexanone 67-64-1 BRL 0.0102 mg/kg 03.25.13 13.42 U 1 3-Acetone 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U 1 3-Romodichloromethane 75-27-4 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichloromethane 75-27-4 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichloromethane 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichloromethane 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichloromethane 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichlorodene 108-90-7 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichlorodene 108-90-7 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichlorodene 108-90-7 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichlorodene 108-90-7 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichlorodene 108-90-7 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodichlorodene 108-90-7 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 3-Romodich
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-Dichlorobenzene 107-06-2 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,2-Dichloropropane 18-87-5 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-Dichlorobenzene 123-91-1 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 1,4-Dichlorobenzene 591-78-6 BRL 0.0102 mg/kg 03.25.13 13.42 U 1 2-Hexanone (MEK) 78-93-3 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 4-Methyl-2-pentanone (MIBK) 108-10-1 BRL 0.0102 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 Bromodichloromethane 75-27-4 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 Bromodithane 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 Bromodithane 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 Carbon disulfide 56-23-5 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 Chlorobenzene 108-90-7 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 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
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-Dichloroptopane 107-06-2 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,2-Dichloroptopane 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-Dichlorobenzene 123-91-1 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,4-Dicane 123-91-1 BRL 0.00510 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 4-Methyl-2-pentanone (MIBK) 108-10-1 BRL 0.0102 mg/kg 03.25.13 13.42 U 1 4-Methode 67-64-1 0.0113 0.0102 mg/kg 03.25.13 13.42 U 1 4-Methode 75-27-4 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-25-2 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 4-Methode 75-15-0 BRL 0.00510 mg/kg 0
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 0.00510 mg/kg 03.25.13 13.42 U 1 1,4-Dioxane 123-91-1 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 1,4-Dioxane 123-91-1 BRL 0.0510 mg/kg 03.25.13 13.42 U 1 2-Hexanone (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 4-Methyl-2-pentanone (MIBK) 108-10-1 BRL 0.0010 mg/kg 03.25.13 13.42 U 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 Bromomethane 75-15-0 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 Chlorobenzene 108-90-7 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 Chloroethane 75-00-3 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 Chloroethane 75-00-3 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 Chloroethane 75-00-3 BRL 0.00510 mg/kg 03.25.13
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 U 1 Benzene 71-43-2 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 Bromoform 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 Chloroethane 75-00-3 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 Chloroethane 75-00-3 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 Chloroethane 75-00-3 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 Chloroethane 75-00-3 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 Chloroethane 75
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 U 1 Bromenichlane 75-27-4 BRL
1,2-Dichloropropane 78-87-5 BRL 0.00510 mg/kg 0.3.25.13 13.42 U 1 1,3-Dichlorobenzene 541-73-1 BRL 0.00510 mg/kg 0.3.25.13 13.42 U 1 1,4-Dichlorobenzene 106-46-7 BRL 0.00510 mg/kg 0.3.25.13 13.42 U 1 1,4-Dioxane 123-91-1 BRL 0.102 mg/kg 0.3.25.13 13.42 U 1 2-Butanone (MEK) 78-93-3 BRL 0.0510 mg/kg 0.3.25.13 13.42 U 1 2-Hexanone 591-78-6 BRL 0.0102 mg/kg 0.3.25.13 13.42 U 1 4-Methyl-2-pentanone (MIBK) 108-10-1 BRL 0.0102 mg/kg 0.3.25.13 13.42 U 1 Acetone 67-64-1 0.0113 0.0102 mg/kg 0.3.25.13 13.42 U 1 Benzene 71-43-2 BRL 0.00510 mg/kg 0.3.25.13 13.42 U 1 Bromoform 75-27-4 BRL
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 0.0102 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 U 1 Benzene 71-43-2 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 Bromoform 75-27-4 BRL 0.00510 mg/kg 03.25.13 13.42 U 1 Bromomethane 74-83-9 BRL 0.00510
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 U 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 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 tetrachlorid
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 U 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 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 0.00
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 U 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 Chlorotethane 75-00-3 BRL 0.00510 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 U 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 Bromomethane 75-25-2 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 0.0
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 U 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
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 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
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 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
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
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
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
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
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
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
Chloroethane 75-00-3 BRL 0.00510 mg/kg 03.25.13 13.42 U 1
Chl., fr (7.66.2 PDI 0.00510 # 0.00510 12.40 Y
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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GP-34-2-3' Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-015** Date Collected: 03.19.13 16.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 15.45

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
95-47-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
100-42-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
127-18-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
108-88-3	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
156-60-5	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
10061-02-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
79-01-6	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
75-69-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
75-01-4	BRL	0.00510	mg/kg	03.25.13 13.42	U	1
	95-47-6 100-42-5 127-18-4 108-88-3 156-60-5 10061-02-6 79-01-6 75-69-4	95-47-6 BRL 100-42-5 BRL 127-18-4 BRL 108-88-3 BRL 156-60-5 BRL 10061-02-6 BRL 79-01-6 BRL 75-69-4 BRL	95-47-6 BRL 0.00510 100-42-5 BRL 0.00510 127-18-4 BRL 0.00510 108-88-3 BRL 0.00510 156-60-5 BRL 0.00510 10061-02-6 BRL 0.00510 79-01-6 BRL 0.00510 75-69-4 BRL 0.00510	95-47-6 BRL 0.00510 mg/kg 100-42-5 BRL 0.00510 mg/kg 127-18-4 BRL 0.00510 mg/kg 108-88-3 BRL 0.00510 mg/kg 156-60-5 BRL 0.00510 mg/kg 10061-02-6 BRL 0.00510 mg/kg 79-01-6 BRL 0.00510 mg/kg 75-69-4 BRL 0.00510 mg/kg	95-47-6 BRL 0.00510 mg/kg 03.25.13 13.42 100-42-5 BRL 0.00510 mg/kg 03.25.13 13.42 127-18-4 BRL 0.00510 mg/kg 03.25.13 13.42 108-88-3 BRL 0.00510 mg/kg 03.25.13 13.42 156-60-5 BRL 0.00510 mg/kg 03.25.13 13.42 10061-02-6 BRL 0.00510 mg/kg 03.25.13 13.42 79-01-6 BRL 0.00510 mg/kg 03.25.13 13.42 75-69-4 BRL 0.00510 mg/kg 03.25.13 13.42	95-47-6 BRL 0.00510 mg/kg 03.25.13 13.42 U 100-42-5 BRL 0.00510 mg/kg 03.25.13 13.42 U 127-18-4 BRL 0.00510 mg/kg 03.25.13 13.42 U 108-88-3 BRL 0.00510 mg/kg 03.25.13 13.42 U 156-60-5 BRL 0.00510 mg/kg 03.25.13 13.42 U 10061-02-6 BRL 0.00510 mg/kg 03.25.13 13.42 U 79-01-6 BRL 0.00510 mg/kg 03.25.13 13.42 U 75-69-4 BRL 0.00510 mg/kg 03.25.13 13.42 U

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





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

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' 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

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





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

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 F	lag
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	





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

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

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





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

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





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST13.60.100%03.26.13 13.001





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST9.590.100%03.26.13 13.001





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST7.240.100%03.26.13 13.001





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: DUP-2 Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: 459815-026 Date Collected: 03.19.13 16.29

Analytical Method: Percent Moisture

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

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





Basis: Dry Weight

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: DUP-2 Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 18.81

Analyst: MLA Date Prep: 03.25.13 15.49

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
l-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
eis-1,2-Dichloroethene	156-59-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
eis-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
sopropylbenzene	98-82-8	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
n,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 Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 18.81

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
95-47-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
100-42-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
127-18-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
108-88-3	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
156-60-5	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
10061-02-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
79-01-6	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
75-69-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
75-01-4	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
	95-47-6 100-42-5 127-18-4 108-88-3 156-60-5 10061-02-6 79-01-6 75-69-4	95-47-6 BRL 100-42-5 BRL 127-18-4 BRL 108-88-3 BRL 156-60-5 BRL 10061-02-6 BRL 79-01-6 BRL 75-69-4 BRL	95-47-6 BRL 0.00558 100-42-5 BRL 0.00558 127-18-4 BRL 0.00558 108-88-3 BRL 0.00558 156-60-5 BRL 0.00558 10061-02-6 BRL 0.00558 79-01-6 BRL 0.00558 75-69-4 BRL 0.00558	95-47-6 BRL 0.00558 mg/kg 100-42-5 BRL 0.00558 mg/kg 127-18-4 BRL 0.00558 mg/kg 108-88-3 BRL 0.00558 mg/kg 156-60-5 BRL 0.00558 mg/kg 10061-02-6 BRL 0.00558 mg/kg 79-01-6 BRL 0.00558 mg/kg 75-69-4 BRL 0.00558 mg/kg	95-47-6 BRL 0.00558 mg/kg 03.25.13 12.47 100-42-5 BRL 0.00558 mg/kg 03.25.13 12.47 127-18-4 BRL 0.00558 mg/kg 03.25.13 12.47 108-88-3 BRL 0.00558 mg/kg 03.25.13 12.47 156-60-5 BRL 0.00558 mg/kg 03.25.13 12.47 10061-02-6 BRL 0.00558 mg/kg 03.25.13 12.47 79-01-6 BRL 0.00558 mg/kg 03.25.13 12.47 75-69-4 BRL 0.00558 mg/kg 03.25.13 12.47	95-47-6 BRL 0.00558 mg/kg 03.25.13 12.47 U 100-42-5 BRL 0.00558 mg/kg 03.25.13 12.47 U 127-18-4 BRL 0.00558 mg/kg 03.25.13 12.47 U 108-88-3 BRL 0.00558 mg/kg 03.25.13 12.47 U 156-60-5 BRL 0.00558 mg/kg 03.25.13 12.47 U 10061-02-6 BRL 0.00558 mg/kg 03.25.13 12.47 U 79-01-6 BRL 0.00558 mg/kg 03.25.13 12.47 U 75-69-4 BRL 0.00558 mg/kg 03.25.13 12.47 U

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 Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: 459815-027 Date Collected: 03.20.13 10.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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
,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.26.13 13.25	U	1
,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.26.13 13.25	U	1
,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.26.13 13.25	U	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
l-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
eis-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	03.26.13 13.25	U	1
eis-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
sopropylbenzene	98-82-8	BRL	1.00	ug/L	03.26.13 13.25	U	1
n,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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GW-9 Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-027** Date Collected: 03.20.13 10.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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	

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 Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: 459815-028 Date Collected: 03.20.13 12.06

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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-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
,2-Dibromo-3-chloropropane (DBCP)	96-12-8	BRL	1.00	ug/L	03.26.13 13.52	U	1
,2-Dibromoethane (EDB)	106-93-4	BRL	1.00	ug/L	03.26.13 13.52	U	1
,2-Dichlorobenzene	95-50-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
,2-Dichloroethane	107-06-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
,2-Dichloropropane	78-87-5	BRL	1.00	ug/L	03.26.13 13.52	U	1
,3-Dichlorobenzene	541-73-1	BRL	1.00	ug/L	03.26.13 13.52	U	1
,4-Dichlorobenzene	106-46-7	BRL	1.00	ug/L	03.26.13 13.52	U	1
,4-Dioxane	123-91-1	BRL	20.0	ug/L	03.26.13 13.52	U	1
-Butanone (MEK)	78-93-3	BRL	2.00	ug/L	03.26.13 13.52	U	1
-Hexanone	591-78-6	BRL	2.00	ug/L	03.26.13 13.52	U	1
-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
is-1,2-Dichloroethene	156-59-2	BRL	1.00	ug/L	03.26.13 13.52	U	1
is-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
sopropylbenzene	98-82-8	BRL	1.00	ug/L	03.26.13 13.52	U	1
n,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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: EW-3 Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-028** Date Collected: 03.20.13 12.06

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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	

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 Matrix: Water Date Received: 03.21.13 13.06

Lab Sample Id: 459815-029 Date Collected: 03.20.13 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: Trip Blank Matrix: Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-029** Date Collected: 03.20.13 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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	

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	





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST9.750.100%03.26.13 13.001



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantiation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

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

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 - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

Phone Fax 4143 Greenbriar Dr. Stafford, TX 77477 (281) 240-4280 (281) 240-4200 9701 Harry Hines Blvd , Dallas, TX 75220 (214) 902 0300 (214) 351-9139 5332 Blackberry Drive, San Antonio TX 78238 (210) 509-3334 (210) 509-3335 2505 North Falkenburg Rd, Tampa, FL 33619 (813) 620-2000 (813) 620-2033 12600 West I-20 East, Odessa, TX 79765 (432) 563-1800 (432) 563-1713 6017 Financial Drive, Norcross, GA 30071 (770) 449-8800 (770) 449-5477 3725 E. Atlanta Ave, Phoenix, AZ 85040 (602) 437-0330

Page 36 of 50 Final 1.001

^{*} Surrogate recovered outside laboratory control limit.





SW3050B

Prep Method:

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: Metals, Total by SW846 6010C

Seq Number: 910078 Matrix: Solid Date Prep: 03/25/2013

MB Sample Id: LCS Sample Id: 635552-1-BKS LCSD Sample Id: 635552-1-BSD 635552-1-BLK

Spike MB LCS LCS Limits %RPD **RPD** Units Analysis LCSD LCSD Flag **Parameter** Result Result Amount %Rec %Rec Limit Date Result

03/28/13 14:19 Lead < 0.279 100 105 105 103 103 80-120 2 20 mg/kg

Analytical Method: Metals, Total by SW846 6010C

Prep Method: SW3050B Seq Number: 910078 Matrix: Sludge Date Prep: 03/25/2013

MD Sample Id: 459672-001 D Parent Sample Id: 459672-001

MD %RPD RPD Units Analysis Parent **Parameter** Flag Result Date Result Limit 03/28/13 14:24 Lead 52.4 49.5 20 mg/kg

Analytical Method: Metals, Total by SW846 6010C

Prep Method: SW3050B Seq Number: 910078 Matrix: Sludge Date Prep: 03/25/2013 459672-001 S MS Sample Id: MSD Sample Id: 459672-001 SD Parent Sample Id: 459672-001

MS MS %RPD RPD Units Analysis Parent Spike MSD Limits MSD **Parameter** Flag Result Amount Result %Rec Result %Rec Limit Date 03/28/13 14:26 Lead 52.4 660 754 106 764 101 80-120 20 mg/kg

Analytical Method: Percent Moisture

909917 Seq Number: Matrix: Soil

MD Sample Id: 459732-001 D Parent Sample Id: 459732-001

MD %RPD RPD Parent Units Analysis **Parameter** Flag Result Result Limit Date 03/26/13 13:00 Percent Moisture 17.1 18.1 20 %

Analytical Method: Percent Moisture

909917 Seq Number: Matrix: Soil

MD Sample Id: 459815-001 D Parent Sample Id: 459815-001

MD RPD Parent %RPD Units Analysis **Parameter** Flag Result Result Limit Date Percent Moisture 13.1 11.4 20 03/26/13 13:00 14 %





AMEC E&I, Inc.

139 Brampton Road

Analytical Method: Percent Moisture

Seq Number: 909919 Matrix: Soil

Parent Sample Id: 459815-025 MD Sample Id: 459815-025 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	7.24	9.16	23	20	%	03/26/13 13:00	F





AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5030B Seq Number: 909969 Matrix: Water

Date Prep: 03/26/2013 MB Sample Id: LCS Sample Id: 635730-1-BKS LCSD Sample Id: 635730-1-BSD 635730-1-BLK

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 Prep Method: SW5030B

Matrix: Water Date Prep: 03/26/2013

MB Sample Id: 635730-1-BLK LCS Sample Id: 635730-1-BKS LCSD Sample Id: 635730-1-BSD

Parameter	MB Result	Spike Amount	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 Flag	LCSI %Rec			imits	Units	Analysis Date	

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 Matrix: Ground Water
Parent Sample Id: 459741-002 MS Sample Id: 459741-002 S

Date Prep: 03/26/2013 MSD Sample Id: 459741-002 SD

Prep Method: SW5030B

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	< 0.160	50.0	42.6	85	42.0	84	59-138	1	20	ug/L	03/26/13 19:46	
1,1,2,2-Tetrachloroethane	< 0.180	50.0	49.2	98	46.9	94	63-126	5	20	ug/L	03/26/13 19:46	
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 0.110	50.0	38.9	78	40.4	81	53-138	4	20	ug/L	03/26/13 19:46	
1,1,2-Trichloroethane	< 0.250	50.0	46.3	93	46.8	94	72-115	1	20	ug/L	03/26/13 19:46	
1,1-Dichloroethane	< 0.110	50.0	45.1	90	41.1	82	69-132	9	20	ug/L	03/26/13 19:46	
1,1-Dichloroethene	< 0.200	50.0	37.4	75	39.1	78	62-131	4	20	ug/L	03/26/13 19:46	
1,2,4-Trichlorobenzene	< 0.170	50.0	42.1	84	42.9	86	34-131	2	20	ug/L	03/26/13 19:46	
1,2-Dibromo-3-chloropropane (DBCP)	< 0.190	50.0	44.2	88	45.4	91	53-121	3	20	ug/L	03/26/13 19:46	
1,2-Dibromoethane (EDB)	< 0.180	50.0	48.5	97	47.1	94	66-125	3	20	ug/L	03/26/13 19:46	
1,2-Dichlorobenzene	< 0.140	50.0	45.0	90	43.8	88	58-124	3	20	ug/L	03/26/13 19:46	
1,2-Dichloroethane	< 0.180	50.0	44.0	88	42.7	85	55-141	3	20	ug/L	03/26/13 19:46	
1,2-Dichloropropane	< 0.150	50.0	45.5	91	45.2	90	78-121	1	20	ug/L	03/26/13 19:46	
1,3-Dichlorobenzene	< 0.170	50.0	46.4	93	44.1	88	62-120	5	20	ug/L	03/26/13 19:46	
1,4-Dichlorobenzene	< 0.170	50.0	44.3	89	43.0	86	64-114	3	20	ug/L	03/26/13 19:46	
1,4-Dioxane	< 8.84	1000	823	82	853	85	11-185	4	20	ug/L	03/26/13 19:46	
2-Butanone (MEK)	< 0.280	100	95.4	95	101	101	50-152	6	20	ug/L	03/26/13 19:46	
2-Hexanone	< 0.320	100	98.2	98	99.9	100	55-136	2	20	ug/L	03/26/13 19:46	
4-Methyl-2-pentanone (MIBK)	< 0.260	100	91.5	92	90.6	91	65-132	1	20	ug/L	03/26/13 19:46	
Acetone	< 0.350	100	99.1	99	98.5	99	40-140	1	20	ug/L	03/26/13 19:46	
Benzene	< 0.160	50.0	44.3	89	44.3	89	77-118	0	20	ug/L	03/26/13 19:46	
Bromodichloromethane	< 0.250	50.0	46.8	94	45.9	92	68-125	2	20	ug/L	03/26/13 19:46	
Bromoform	< 0.170	50.0	41.7	83	38.3	77	53-112	9	20	ug/L	03/26/13 19:46	
Bromomethane	< 0.250	50.0	40.5	81	40.6	81	63-137	0	20	ug/L	03/26/13 19:46	
Carbon disulfide	< 0.260	50.0	38.0	76	37.0	74	26-147	3	20	ug/L	03/26/13 19:46	
Carbon tetrachloride	< 0.330	50.0	41.0	82	39.2	78	56-138	4	20	ug/L	03/26/13 19:46	
Chlorobenzene	< 0.150	50.0	44.8	90	44.2	88	71-114	1	20	ug/L	03/26/13 19:46	
Chloroethane	< 0.260	50.0	41.3	83	42.9	86	60-137	4	20	ug/L	03/26/13 19:46	
Chloroform	< 0.160	50.0	43.5	87	43.1	86	65-131	1	20	ug/L	03/26/13 19:46	
Chloromethane	< 0.250	50.0	38.8	78	37.9	76	48-151	2	20	ug/L	03/26/13 19:46	
cis-1,2-Dichloroethene	< 0.210	50.0	43.0	86	41.2	82	22-185	4	20	ug/L	03/26/13 19:46	
cis-1,3-Dichloropropene	< 0.100	50.0	45.1	90	43.8	88	67-113	3	20	ug/L	03/26/13 19:46	
Cyclohexane	< 0.150	50.0	41.6	83	43.1	86	61-141	4	20	ug/L	03/26/13 19:46	
Dibromochloromethane	< 0.150	50.0	41.9	84	42.9	86	53-125	2	20	ug/L	03/26/13 19:46	
Dichlorodifluoromethane	< 0.220	50.0	36.4	73	36.3	73	38-145	0	20	ug/L	03/26/13 19:46	
Ethylbenzene	< 0.190	50.0	45.8	92	45.5	91	66-127	1	20	ug/L	03/26/13 19:46	
Isopropylbenzene	< 0.150	50.0	48.0	96	46.0	92	58-127	4	20	ug/L	03/26/13 19:46	
m,p-Xylenes	< 0.510	100	90.6	91	88.5	89	65-126	2	20	ug/L	03/26/13 19:46	
Methyl acetate	< 0.260	50.0	41.8	84	42.2	84	65-135	1	20	ug/L	03/26/13 19:46	
Methyl tert-butyl ether	< 0.180	100	86.0	86	87.0	87	58-141	1	20	ug/L	03/26/13 19:46	
Methylcyclohexane	< 0.110	50.0	43.6	87	42.8	86	64-128	2	20	ug/L	03/26/13 19:46	
Methylene chloride	< 0.420	50.0	41.2	82	42.6	85	63-150	3	20	ug/L	03/26/13 19:46	
o-Xylene	< 0.200	50.0	45.5	91	43.7	87	64-123	4	20	ug/L	03/26/13 19:46	
Styrene	< 0.180	50.0	47.4	95	46.8	94	50-133	1	20	ug/L	03/26/13 19:46	
Tetrachloroethene	< 0.160	50.0	44.6	89	43.9	88	52-125	2	20	ug/L	03/26/13 19:46	
Toluene	< 0.140	50.0	45.3	91	45.2	90	65-123	0	20	ug/L	03/26/13 19:46	
trans-1,2-Dichloroethene	< 0.210	50.0	44.3	89	40.9	82	65-135	8	20	ug/L	03/26/13 19:46	
trans-1,3-Dichloropropene	< 0.110	50.0	45.1	90	44.6	89	50-125	1	20	ug/L	03/26/13 19:46	
Trichloroethene	< 0.190	50.0	43.8	88	42.9	86	65-125	2	20	ug/L	03/26/13 19:46	
Trichlorofluoromethane	< 0.530	50.0	45.2	90	43.8	88	51-145	3	20	ug/L	03/26/13 19:46	
										-		





AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5030B Date Prep: 03/26/2013

Seq Number: 909969 Matrix: Ground Water MS Sample Id: 459741-002 S MSD Sample Id: 459741-002 SD Parent Sample Id: 459741-002

Parameter	Result	Spike Amount	Result	MS %Rec	MSD Result	MSD %Rec	Limits	%KPD	Limit	Units	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	



MB Sample Id:

QC Summary 459815



Prep Method: SW5035

Date Prep: 03/25/2013

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

635682-1-BLK

Seq Number: 909932 Matrix: Solid

LCS Sample Id: 635682-1-BKS LCSD Sample Id: 635682-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	< 0.753	50.0	56.0	112	54.2	108	75-145	3	20	ug/kg	03/25/13 06:51	
1,1,2,2-Tetrachloroethane	<1.19	50.0	51.1	102	51.2	102	78-120	0	20	ug/kg	03/25/13 06:51	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<1.11	50.0	63.2	126	54.0	108	54-173	16	20	ug/kg	03/25/13 06:51	
1,1,2-Trichloroethane	< 0.670	50.0	52.3	105	51.5	103	81-115	2	20	ug/kg	03/25/13 06:51	
1,1-Dichloroethane	< 0.802	50.0	52.9	106	52.1	104	73-131	2	20	ug/kg	03/25/13 06:51	
1,1-Dichloroethene	<1.16	50.0	56.4	113	54.1	108	67-144	4	20	ug/kg	03/25/13 06:51	
1,2,4-Trichlorobenzene	< 0.873	50.0	63.3	127	53.1	106	61-170	18	20	ug/kg	03/25/13 06:51	
1,2-Dibromo-3-chloropropane (DBCP)	<1.62	50.0	59.3	119	55.2	110	62-146	7	20	ug/kg	03/25/13 06:51	
1,2-Dibromoethane (EDB)	< 0.863	50.0	53.2	106	53.7	107	81-121	1	20	ug/kg	03/25/13 06:51	
1,2-Dichlorobenzene	<1.29	50.0	54.1	108	49.8	100	70-146	8	20	ug/kg	03/25/13 06:51	
1,2-Dichloroethane	< 0.597	50.0	53.5	107	55.2	110	63-150	3	20	ug/kg	03/25/13 06:51	
1,2-Dichloropropane	< 0.929	50.0	52.9	106	53.5	107	76-121	1	20	ug/kg	03/25/13 06:51	
1,3-Dichlorobenzene	< 0.997	50.0	54.5	109	51.1	102	73-145	6	20	ug/kg	03/25/13 06:51	
1,4-Dichlorobenzene	< 0.684	50.0	55.0	110	49.9	100	74-143	10	20	ug/kg	03/25/13 06:51	
1,4-Dioxane	<97.7	1000	964	96	852	85	33-138	12	20	ug/kg	03/25/13 06:51	
2-Butanone (MEK)	< 9.11	100	109	109	111	111	44-158	2	20	ug/kg	03/25/13 06:51	
2-Hexanone	<1.13	100	113	113	111	111	59-154	2	20	ug/kg	03/25/13 06:51	
4-Methyl-2-pentanone (MIBK)	< 3.23	100	108	108	114	114	65-132	5	20	ug/kg	03/25/13 06:51	
Acetone	< 6.88	100	108	108	115	115	43-163	6	20	ug/kg	03/25/13 06:51	
Benzene	< 0.513	50.0	53.8	108	53.0	106	82-121	1	20	ug/kg	03/25/13 06:51	
Bromodichloromethane	< 0.501	50.0	54.2	108	55.1	110	80-135	2	20	ug/kg	03/25/13 06:51	
Bromoform	< 0.959	50.0	55.6	111	58.2	116	71-135	5	20	ug/kg	03/25/13 06:51	
Bromomethane	< 2.46	50.0	50.0	100	47.5	95	51-149	5	20	ug/kg	03/25/13 06:51	
Carbon disulfide	<1.46	50.0	54.7	109	50.6	101	57-151	8	20	ug/kg	03/25/13 06:51	
Carbon tetrachloride	< 0.742	50.0	57.8	116	56.0	112	70-156	3	20	ug/kg	03/25/13 06:51	
Chlorobenzene	< 0.579	50.0	54.4	109	50.6	101	76-131	7	20	ug/kg	03/25/13 06:51	
Chloroethane	< 2.45	50.0	60.2	120	58.4	117	64-131	3	20	ug/kg	03/25/13 06:51	
Chloroform	< 0.741	50.0	53.3	107	52.8	106	78-125	1	20	ug/kg	03/25/13 06:51	
Chloromethane	< 2.30	50.0	41.9	84	40.5	81	59-127	3	20	ug/kg	03/25/13 06:51	
cis-1,2-Dichloroethene	< 0.662	50.0	55.2	110	53.3	107	80-123	4	20	ug/kg	03/25/13 06:51	
cis-1,3-Dichloropropene	< 0.539	50.0	56.1	112	56.2	112	87-123	0	20	ug/kg	03/25/13 06:51	
Cyclohexane	< 0.945	50.0	52.6	105	46.7	93	58-164	12	20	ug/kg	03/25/13 06:51	
Dibromochloromethane	< 0.994	50.0	54.6	109	53.7	107	81-136	2	20	ug/kg	03/25/13 06:51	
Dichlorodifluoromethane	<1.18	50.0	43.8	88	37.8	76	33-161	15	20	ug/kg	03/25/13 06:51	
Ethylbenzene	< 0.565	50.0	55.9	112	51.4	103	84-129	8	20	ug/kg	03/25/13 06:51	
Isopropylbenzene	< 0.759	50.0	55.5	111	52.6	105	65-153	5	20	ug/kg	03/25/13 06:51	
m,p-Xylenes	<1.21	100	111	111	103	103	75-141	7	20	ug/kg	03/25/13 06:51	
Methyl acetate	< 0.946	50.0	42.4	85	54.3	109	45-155	25	20	ug/kg	03/25/13 06:51	F
Methyl tert-butyl ether	< 0.693	100	103	103	105	105	70-131	2	20	ug/kg	03/25/13 06:51	
Methylcyclohexane	<1.09	50.0	61.1	122	56.2	112	39-185	8	20	ug/kg	03/25/13 06:51	
Methylene chloride	< 2.17	50.0	56.6	113	56.7	113	65-137	0	20	ug/kg	03/25/13 06:51	
o-Xylene	< 0.716	50.0	55.1	110	50.6	101	73-141	9	20	ug/kg	03/25/13 06:51	
Styrene	< 0.742	50.0	55.3	111	52.3	105	82-129	6	20	ug/kg	03/25/13 06:51	
Tetrachloroethene	<1.04	50.0	58.8	118	52.8	106	78-144	11	20	ug/kg	03/25/13 06:51	
Toluene	< 0.588	50.0	54.3	109	50.9	102	86-121	6	20	ug/kg	03/25/13 06:51	
trans-1,2-Dichloroethene	< 0.780	50.0	56.8	114	53.6	107	72-132	6	20	ug/kg	03/25/13 06:51	
trans-1,3-Dichloropropene	< 0.670	50.0	54.0	108	52.7	105	82-132	2	20	ug/kg	03/25/13 06:51	
Trichloroethene	< 0.707	50.0	57.3	115	54.2	108	80-126	6	20	ug/kg	03/25/13 06:51	
Trichlorofluoromethane	<3.51	50.0	60.4	121	53.6	107	55-155	12	20	ug/kg	03/25/13 06:51	





Flag

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 Date Prep: 03/25/2013 LCS Sample Id: 635682-1-BKS LCSD Sample Id: 635682-1-BSD

Prep Method: SW5035

LCS %RPD RPD MB Spike LCS LCSD LCSD Limits Units Analysis **Parameter** Result %Rec Limit Date Result Amount Result %Rec 03/25/13 06:51 Vinyl chloride < 2.01 50.0 53.2 106 47.1 94 70-130 12 20 ug/kg

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



Seq Number:

Parent Sample Id:

QC Summary 459815



AMEC E&I, Inc.

139 Brampton Road

MS Sample Id: 459815-019 S

Analytical Method: VOCs by SW-846 8260B

459815-019

909932 Matrix: Soil

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	< 0.00270	0.0591	0.0631	107	0.0646	111	40-147	2	20	mg/kg	03/25/13 16:27	
Carbon tetrachloride	< 0.00172	0.0591	0.0648	110	0.0700	120	54-148	8	20	mg/kg	03/25/13 16:27	
Chlorobenzene	< 0.000677	0.0591	0.0602	102	0.0700	103	71-117	0	20	mg/kg	03/25/13 16:27	
Chloroethane	< 0.00289	0.0591	0.0626	106	0.0594	103	44-166	5	20	mg/kg	03/25/13 16:27	
Chloroform	< 0.00289	0.0591	0.0626	102	0.0623	107	62-127	3	20	mg/kg	03/25/13 16:27	
Chloromethane	< 0.00272	0.0591	0.0493	83	0.0023	82	34-157	3	20	mg/kg	03/25/13 16:27	
cis-1,2-Dichloroethene	< 0.00272	0.0591	0.0493	104	0.0478	109	41-155	3	20	mg/kg	03/25/13 16:27	
cis-1,3-Dichloropropene	< 0.000783	0.0591	0.0614	104	0.0600	103	63-128	2	20	mg/kg	03/25/13 16:27	
Cyclohexane	< 0.000112	0.0591	0.0614	116	0.0000	124	53-145	5	20	mg/kg	03/25/13 16:27	
Dibromochloromethane	< 0.00112	0.0591	0.0597	101	0.0723	98	59-135	5	20		03/25/13 16:27	
Dichlorodifluoromethane	< 0.00118	0.0591	0.0397	74	0.0370	76	16-171	1	20	mg/kg	03/25/13 16:27	
Ethylbenzene	< 0.00139	0.0591	0.0439	106	0.0442	109	65-139	1	20	mg/kg	03/25/13 16:27	
Isopropylbenzene	< 0.000897	0.0591	0.0623	112	0.0659	113	62-133	0	20	mg/kg	03/25/13 16:27	
m,p-Xylenes	< 0.000897	0.0391	0.0001	107	0.0039	109	69-130	1	20	mg/kg mg/kg	03/25/13 16:27	
= :	< 0.00143	0.118		93	0.127	117	20-170	22	20		03/25/13 16:27	E
Methyl acetate	<0.00112		0.0551							mg/kg	03/25/13 16:27	F
Methyl tert-butyl ether		0.118	0.111	94	0.110	94	48-169 57-149	1	20	mg/kg		
Methylcyclohexane	<0.00129	0.0591	0.0670	113	0.0709	122	17-184	6	20	mg/kg	03/25/13 16:27 03/25/13 16:27	
Methylene chloride	<0.00256	0.0591	0.0621	105	0.0656	113		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		
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	



Seq Number:

QC Summary 459815



AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

909932 Matrix: Soil Prep Method: SW5035 03/25/2013

Date Prep:

MS Sample Id: 459815-019 S MSD Sample Id: 459815-019 SD Parent Sample Id: 459815-019

MS RPD **Parent** Spike MS Limits %RPD Units Analysis MSD MSD Flag **Parameter** Result Limit Date Result Amount %Rec Result %Rec 03/25/13 16:27 Vinyl chloride < 0.00237 0.0591 0.0550 93 0.0619 106 40-161 12 20 mg/kg

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

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full. Property of XENCO - Revision Date: Nov 12, 2009

288156 C.O.C. Serial #

Terms of payment are Net 30

Atlanta: 6017 Financial Dr. Norcross. GA 30071 770-449-8800 rinomental Abbettes Radiochomitry Boca Raton: 3231 NW 7th Ave. Boca Raton, FL 33431 561-447-7373	2			; ;				Lab W.O	1 _	10 10 10	Vial Amber ES	Encore Sampler
											and the second	TerraCore Sampler
	Atlanta: 6017 Financial Dr. Norcross. GA 30071 770-449-8800 Boos Raton: 3231 NW 7th Ave. Boca Raton. FL 33431 561-447	071 770-449-8800 FL 33431 561-447-73	Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 73 Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619	Hoffner Av. Ste orth Falkenbur	e 408 Orlando, I rg Rd, Tampa, F	•	409-429-8022 813-620-2000		H 3 4 K Field Billable Hrs.	4812	VP Vial Pre-preserved AC AC AC AC AC AC Ac Ac Amber TB AC AC Glass Clear PA Plastic Amber PC	Air Canister Tedlar Bag Zip Lock Bag Plastic Clear
	Miami: 14100 Palmetto Frontage Rd. Miami Lakes, FL 33016 305-823-8500	akes, FL 33016 305-82	2009						,		Other	
AMEL		PO #	TAT Work Days =	Days = D	Need results by	ults by:	***************************************		Time:	***************************************	Size(s): 20z, 40z, 80z, 160z, 32oz 40ml, 125 ml, 250 ml, 500 ml, 11.	, 1Gal Other
396 Players Ave		Quote #	- S	Std (5-10D)	6Hrs 1D 2D 3D	D 3D 4C	4D & TOD 10D	10D 14D	Other		Example: 4ozGC = 4oz Glass Clear 40mIVP = 40ml Vial Pre-preserved	ear re-preserved
Ath	State: 🔑	State: 6.4 Zip: 30524			ANA	YSES	ANALYSES REQUESTED	STED			** Preservative Type	be Codes
N Dave	Phone:	ES10 LuB hop	Cont Type *	VP 66							None E. HCL. HNO, F. MeOH	CAA
544	Fax:	464 817 0183	Pres Type"	地	-						C. H ₂ SO ₂ G. Na ₂ S ₂ O ₃ K. Z D. NaOH H. NaHSO ₂ L. A	K. ZnAc&NaOH L. Asbc Acid&NaOH
	Project ID:			······································							A Mafrix	Type Codes
159 Bernyh- Kal	l 6A	6121 09 0220) əl	Pround Water S	Soil/Sediment/Solid
Sampler Signature: $\mathcal{N} = \mathcal{N}$	Circle One Event: Daily Weekly Quarterly Semi-Annual Annual	ily Weekly Monthly al Annual N/A		!	· · · · · · · · · · · · · · · · · · ·			uuuu tuuu taanaan		qms2	WW Waste Water W DW Drinking Water A SW Surface Water O	9.
Sample ID	Collect Collect Date Time	Matrix Ode Annosite on Grab leid	to # lato ensainers	72M	head					Piere Hold		Urine
		4	# Cont	Lab Only:	-							S
C.g. 32.1.2'	2/14/12 1433	10 S										
	1435	-									HOLD	
1 1	1530			8								
69.33-2'	1535			<u>8</u>						B≹. □	HOW	
64.34-2:3	209/											
6134.3.5'	1602									<u>家</u>	HOW	
KP.35-3-3'	1.631		2 									
(A.35-3-5'	1631					<u>Ц</u>					HOLD	***************************************
(A. 36-2-3'	Hall A	->										***************************************
A.36-3-5'	3/19/13 1706	きらら	143							B .	HOLD	
Reg, Program / Clean-up Std	STATE for Certs & Regs	s QA/Q		uoj	EDDs	-		sis	Coolers	Temp °C	Lab Use Only	YES NO N/A
TRRP DW NPDES LPST DryCin	FL TX GA NC SC NJ PA OK LA AL IL Other:	1 2 3 NELAC D	4 CLP AFCEE QAPP oD-ELAP Other:	AD2 XLS	SEDD her:	ERPIMS M	Match Incomplete Absent Unclear	ete 7.	2.	3.	Non-Conformances found? Samples intact upon arrival?	
Relinquished by	Affilia	╀	Time		Received by	1	Affiliation	_	Date		Received on Wet Ice?	
- J. J. P.	AME	3/21/13	1233	3		7	MINEC	3/20	0/1	1238	Received within holding time?	
	Marce 1	170/E 12	13 1306	Ď	NO K	Alphara Land	s of	3/21/	2	10.E	VOCs rec'd w/o headspace?	
						>		-			pH verified-acceptable, excl VOCs? Received on time to meet HTs?	
7												

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month uniti paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco uniti invoices for such data are paid in full.

c.o.c. Serial # 208157

N/A L. Ice J. MCAA K. ZnAc&NaOH L. Asbç Acid&NaOH Encore Sampler TerraCore Sampler ** Preservative Type Codes Soil/Sediment/Solid Š Size(s): 20z, 40z, 80z, 160z, 320z, 1Gai 40ml, 125 ml, 250 ml, 500 ml, 10. Other Example: 40zG = 40z Glass Clear 40mlVp = 40ml Vial Pre-preserved * Container Type Codes Air Canister Tedlar Bag Zip Lock Bag Plastic Clear A Matrix Type Codes Air Oil Tissue REMARKS pH veriffed-acceptable, excl VOCs? Received on Wet Ice? Labeled with proper preservatives? South Carolina 803-543-8099 B&A Laboratories: Corpus Christi 361-884-0371 Dallas 214-902-0300 Houston 281-240-4200 Odessa 432-563-1800 San Antonio 210-509-3334 V Waste Water W V
Drinking Water A F
Surface Water O C
Product-Liquid U I
Product-Solid B E
Studge Received on time to meet HTs? Received within holding time? VOCs rec'd w/o headspace? A. None E. HCL B. HNO₃ F. MeOH C. H₂SO₄ G. Na₂S₂O₃ D. NaOH H. NaHSO₂ Samples intact upon arrival? Vial Amber
Vial Clear
Vial Pre-preserved
Glass Amber
Glass Clear
Plastic Amber Non-Conformances found Proper containers used? Ground Water Custody seals intact? Lab Use Only 1500 100 GW SWW SWW SWW SWW OW SWW Owner Other 888888 8888 :suoilibbA 30.81 Time Hold Sample (CALL 1238 1 R ¥ × ď Temp °C $\overline{\sim}$ က 450 8 Field Billable Hrs: Time: Other Coolers 3/24/0 Date ab W.O 14D ANALYSES REQUESTED 6Hrs 1D 2D 3D 4D (50)7D 10D Match Incomplete Absent Unclear COC & Labels Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000 Affiliation Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022 BERE Cartillo Cartillo Need results by: ADaPT SEDD ERPIMS Received by EDDs 7007 Day o ر. ل X \bowtie Z \mathbf{z} 25 \geq 3 KLS Other: CHAIN OF CUSTODY RECORD TAT Work Days = D GOM Ŝ Std (5-10D) × w **=** Lab Only 1 1201 QA/QC Level & Certification (2 ⊻ į.,b. 1 2 3 4 CLP AFCEE GAPP NELAC DoD-ELAP Other: Time 123 106 # Cont Cont Type * Pres Type" erenistnos Miami: 14100 Palmetto Frontage Rd. Miami Lakes, FL 33016 305-823-8500 d ب -37 Total # of Boca Raton: 3231 NW 7th Ave, Boca Raton, FL 33431 561-447-7373 3/2/1 3/21/0 **%** Date Filtered 世 Circie One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual NIA 404 817 DIS 2810 US hoh 6/21 09 0220 Field Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800 Zip: \$3324 or Grab ৬ S S erisodmo STATE for Certs & Regs Quote # Matrix Code ^ Z Y FL TX GA NC SC NJ PA OK LA AL IL Other: 3 2 # Od Affiliation 3 3 MARC Par Ei State: CA Collect 138 1550 Time 3 1.31 7 1113 145 147 1.70 Phone: Hax: 3/16/13 stablis 3/20/13 3/18/13 Collect 318113 Quarterly Date DryCin Relinquished by Reg. Program / Clean-up Std Bringh. LPST FTS: Philadelphia 610-955-5649 £, TRIP BUTINE Sample ID NPDES Latronal Aspestos Redictionistry Ver Boyli 356 Player 69-37-2 6-8-38 -1 68-38.2. 0 GP-37-1 xenco.com 30 AME 女 でいる アライ 69.32 Š 2.400 Atherta 100 Sampler Signature: TRRP Project Name: Company: Address: PM/Attn: α 9 9 0 CTLs 3 4 S email. က # əldms2

Terms of payment are Net 30 Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. C.O.C. Serial # days, and all past due amounts shall accrue interest at 1.5% per month untit paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco untit invoices for such data are paid in full.

288158



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: AMEC E&I, Inc.

Work Order #: 459815

Date/ Time Received: 03/21/2013 01:06:00 PM

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used: #61

Acceptable Temperature Range: 0 - 6 degC

Sa	ample 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 contained	er/ 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 relinquish	ed/ received? Yes	
#11 Chain of Custody agrees with sample lab	el(s)? Yes	
#12 Container label(s) legible and intact?	Yes	
#13 Sample matrix/ properties agree with Cha	nin 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 te	st(s)? Yes	
#18 All samples received within hold time?	Yes	
#19 Subcontract of sample(s)?	No	
#20 VOC samples have zero headspace (less	s than 1/4 inch bubble)? Yes	
#21 <2 for all samples preserved with HNO3,I	HCL, H2SO4? N/A	
#22 >10 for all samples preserved with NaAso	D2+NaOH, ZnAc+NaOH? N/A	

Analyst:	PH De	evice/Lot#:	
Checklist complete	ed by:	Dijana Piljak Dijana Piljak	Date: <u>03/25/2013</u>
Checklist reviewe	d by:	Dijana Piljak Dijana Piljak	Date: <u>03/25/2013</u>

Analytical Report 459815

for AMEC E&I, Inc.

Project Manager: Tyler Boyles

139 Brampton Road

6121090220

29-APR-13

Collected By: Client





6017 Financial Dr., Norcross, GA 30071 Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135) Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Lakeland: Florida (E84098)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





29-APR-13

Project Manager: **Tyler Boyles AMEC E&I, Inc.**396 Plasters Ave
Atlanta, GA 30324

Reference: XENCO Report No(s): 459815

139 Brampton RoadProject Address: Atlanta, GA

Tyler Boyles:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459815. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459815 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Dijana Piljak

Dijana Liljak

Project Manager

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

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



Sample Cross Reference 459815



AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GP-27-1'	S	03-19-13 10:10		459815-001
GP-28-1'	S	03-19-13 10:40		459815-003
GP-29-1'	S	03-19-13 11:05		459815-005
GP-30-1'	S	03-19-13 12:02		459815-007
GP-31-1'	S	03-19-13 13:55		459815-009
GP-32-1-2'	S	03-19-13 14:33		459815-011
GP-33-1'	S	03-19-13 15:30		459815-013
GP-34-2-3'	S	03-19-13 16:00		459815-015
GP-35-2-3'	S	03-19-13 16:29		459815-017
GP-36-2-3'	S	03-19-13 17:04		459815-019
GP-37-1'	S	03-19-13 17:15		459815-021
GP-38-1'	S	03-19-13 17:45		459815-023
DUP-1	S	03-19-13 17:45		459815-025
DUP-2	S	03-19-13 16:29		459815-026
GW-9	W	03-20-13 10:50		459815-027
EW-3	W	03-20-13 12:06		459815-028
Trip Blank	W	03-20-13 00:00		459815-029
GP-32-1'	S	03-19-13 14:31		459815-030
GP-27-2'	S	03-19-13 10:12		Not Analyzed
GP-28-2'	S	03-19-13 10:42		Not Analyzed
GP-29-2'	S	03-19-13 11:07		Not Analyzed
GP-30-2'	S	03-19-13 12:04		Not Analyzed
GP-31-2'	S	03-19-13 13:57		Not Analyzed
GP-32-3-4'	S	03-19-13 14:35		Not Analyzed
GP-33-2'	S	03-19-13 15:35		Not Analyzed
GP-34-3-5'	S	03-19-13 16:02		Not Analyzed
GP-35-3-5'	S	03-19-13 16:31		Not Analyzed
GP-36-3-5'	S	03-19-13 17:06		Not Analyzed
GP-37-2'	S	03-19-13 17:17		Not Analyzed
GP-38-2'	S	03-19-13 17:47		Not Analyzed

CASE NARRATIVE



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



 Project ID:
 6121090220
 Report Date:
 29-APR-13

 Work Order Number(s):
 459815
 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





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST13.10.100%03.26.13 13.001





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST14.80.100%03.26.13 13.001





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST10.60.100%03.26.13 13.001





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 **Analysis Date** Flag Dil Units Cas Number Result RL7439-92-1 BRL 1 Lead 5.23 U mg/kg 03.28.13 14.51

Analytical Method: Percent Moisture

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

Seq Number: 909917

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST8.990.100%03.26.13 13.001





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST15.40.100%03.26.13 13.001





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

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' Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-011** Date Collected: 03.19.13 14.33

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 12.67

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

111 Tribleredon 7155 (DDI 0.0000	1
1,1,1-Trichloroethane 71-55-6 BRL 0.00492 mg/kg 03.25.13 09.11 U	
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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GP-32-1-2' Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-011** Date Collected: 03.19.13 14.33

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 12.67

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

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





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST13.40.100%03.26.1313.001





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

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	15.5	0.100	%	03.26.13 13.00		1



Seq Number:

909932

Certificate of Analytical Results 459815



Basis: Dry Weight

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GP-34-2-3' Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: 459815-015 Date Collected: 03.19.13 16.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 15.45

Analyst: MLA Date Prep: 03.25.13 15.49

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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GP-34-2-3' Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-015** Date Collected: 03.19.13 16.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 15.45

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

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	g
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	





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

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' 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

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





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

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





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

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

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





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

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





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST13.60.100%03.26.13 13.001





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST9.590.100%03.26.13 13.001





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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: DUP-2 Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: 459815-026 Date Collected: 03.19.13 16.29

Analytical Method: Percent Moisture

Tech: BLF % Moisture:

Analyst: NIV Basis: Wet Weight

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





Basis: Dry Weight

AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: DUP-2 Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 18.81

Analyst: MLA Date Prep: 03.25.13 15.49

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
l-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
eis-1,2-Dichloroethene	156-59-2	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
eis-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
sopropylbenzene	98-82-8	BRL	0.00558	mg/kg	03.25.13 12.47	U	1
n,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 Matrix: Soil Date Received: 03.21.13 13.06

Lab Sample Id: **459815-026** Date Collected: 03.19.13 16.29

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035

Tech: MWE % Moisture: 18.81

Analyst: MLA Date Prep: 03.25.13 15.49 Basis: Dry Weight

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 Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: 459815-027 Date Collected: 03.20.13 10.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GW-9 Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: 459815-027 Date Collected: 03.20.13 10.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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	

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 Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: 459815-028 Date Collected: 03.20.13 12.06

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: EW-3 Matrix: Ground Water Date Received: 03.21.13 13.06

Lab Sample Id: **459815-028** Date Collected: 03.20.13 12.06

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

Parameter	Cas Number	umber 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	

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 Matrix: Water Date Received: 03.21.13 13.06

Lab Sample Id: 459815-029 Date Collected: 03.20.13 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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





AMEC E&I, Inc., Atlanta, GA

139 Brampton Road

Sample Id: Trip Blank Matrix: Water Date Received: 03.21.13 13.06

Lab Sample Id: 459815-029 Date Collected: 03.20.13 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: MLA Date Prep: 03.26.13 08.30

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	

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	





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

ParameterCas NumberResultRLUnitsAnalysis DateFlagDilPercent MoistureTMOIST9.750.100%03.26.13 13.001



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantiation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

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

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 - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

Phone Fax 4143 Greenbriar Dr. Stafford, TX 77477 (281) 240-4280 (281) 240-4200 9701 Harry Hines Blvd , Dallas, TX 75220 (214) 902 0300 (214) 351-9139 5332 Blackberry Drive, San Antonio TX 78238 (210) 509-3334 (210) 509-3335 2505 North Falkenburg Rd, Tampa, FL 33619 (813) 620-2000 (813) 620-2033 12600 West I-20 East, Odessa, TX 79765 (432) 563-1800 (432) 563-1713 6017 Financial Drive, Norcross, GA 30071 (770) 449-8800 (770) 449-5477 3725 E. Atlanta Ave, Phoenix, AZ 85040 (602) 437-0330

Page 36 of 50 Final 1.002

^{*} Surrogate recovered outside laboratory control limit.



Parameter

QC Summary 459815



Analysis

Flag

SW3050B

Units

Prep Method:

RPD

AMEC E&I, Inc.

139 Brampton Road

LCSD

LCSD

Limits

%RPD

Analytical Method: Metals, Total by SW846 6010C

Seq Number: 910078 Matrix: Solid Date Prep: 03/25/2013

LCS

MB Sample Id: LCS Sample Id: 635552-1-BKS LCSD Sample Id: 635552-1-BSD 635552-1-BLK LCS

Result Limit Result Amount %Rec %Rec Date Result 03/28/13 14:19 Lead < 0.279 100 105 105 103 103 80-120 2 20 mg/kg

Analytical Method: Metals, Total by SW846 6010C

Prep Method: SW3050B Seq Number: 910078 Matrix: Sludge Date Prep: 03/25/2013

MD Sample Id: 459672-001 D Parent Sample Id: 459672-001

Spike

MB

MD %RPD RPD Units Analysis Parent **Parameter** Flag Result Date Result Limit 03/28/13 14:24 Lead 52.4 49.5 20 mg/kg

Analytical Method: Metals, Total by SW846 6010C

Prep Method: SW3050B Seq Number: 910078 Matrix: Sludge Date Prep: 03/25/2013 459672-001 S MS Sample Id: MSD Sample Id: 459672-001 SD Parent Sample Id: 459672-001

MS MS %RPD RPD Units Analysis Parent Spike MSD Limits MSD **Parameter** Flag Result Amount Result %Rec Result %Rec Limit Date 03/28/13 14:26 Lead 52.4 660 754 106 764 101 80-120 20 mg/kg

Analytical Method: Percent Moisture

909917 Seq Number: Matrix: Soil

MD Sample Id: 459732-001 D Parent Sample Id: 459732-001

MD %RPD RPD Parent Units Analysis **Parameter** Flag Result Result Limit Date 03/26/13 13:00 Percent Moisture 17.1 18.1 20 %

Analytical Method: Percent Moisture

909917 Seq Number: Matrix: Soil

MD Sample Id: 459815-001 D Parent Sample Id: 459815-001

MD RPD Parent %RPD Units Analysis **Parameter** Flag Result Result Limit Date Percent Moisture 13.1 11.4 20 03/26/13 13:00 14 %



QC Summary 459815



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



QC Summary 459815



Prep Method: SW5030B

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

 Seq Number:
 909969
 Matrix:
 Water
 Date Prep:
 03/26/2013

 MB Sample Id:
 635730-1-BLK
 LCS Sample Id:
 635730-1-BKS
 LCSD Sample Id:
 635730-1-BSD

MID Sample Id: 055/50-1-	-DLK		LCS Sai	npic iu.	033730-1-	DIXO		LCS	Dampic	iu. 033	750-1-050	
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	
								-	-	9		



QC Summary 459815



Prep Method: SW5030B

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

 Seq Number:
 909969
 Matrix:
 Water
 Date Prep:
 03/26/2013

 MB Sample Id:
 635730-1-BLK
 LCS Sample Id:
 635730-1-BKS
 LCSD Sample Id:
 635730-1-BSD

LCS LCS %RPD RPD MB Spike LCSD LCSD Limits Units Analysis Flag **Parameter** Result %Rec Limit Date Result Amount Result %Rec 03/26/13 09:47 Vinyl chloride 94 50-145 < 0.190 50.0 45.6 91 47.2 3 20 ug/L

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



Seq Number:

Parent Sample Id:

Trichlorofluoromethane

< 0.530

50.0

45.2

QC Summary 459815



SW5030B

03/26/2013

459741-002 SD

Prep Method:

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

 909969
 Matrix:
 Ground Water
 Date Prep:

 459741-002
 MS Sample Id:
 459741-002 S
 MSD Sample Id:

Spike **RPD** MS MS Limits %RPD Units Analysis Parent MSD **MSD Parameter** Flag Result %Rec Limit Date Result Amount Result %Rec 1,1,1-Trichloroethane 42.6 42.0 84 59-138 20 03/26/13 19:46 < 0.160 50.0 85 ug/L ug/L 1,1,2,2-Tetrachloroethane < 0.180 50.0 49.2 98 46.9 94 63-126 5 20 03/26/13 19:46 1.1.2-Trichloro-1.2.2-Trifluoroethane 38.9 78 40.4 81 03/26/13 19:46 < 0.110 50.0 53-138 4 20 ug/L 1,1,2-Trichloroethane < 0.250 50.0 46.3 93 46.8 94 72-115 20 ug/L 03/26/13 19:46 45.1 69-132 9 03/26/13 19:46 1,1-Dichloroethane < 0.110 50.0 90 41.1 82 20 ug/L 1,1-Dichloroethene < 0.200 50.0 37.4 75 39.1 78 62-131 4 20 03/26/13 19:46 ug/L 34-131 03/26/13 19:46 42.1 1,2,4-Trichlorobenzene < 0.170 50.0 84 42.9 86 2 20 ug/L 1,2-Dibromo-3-chloropropane (DBCP) 03/26/13 19:46 < 0.190 50.0 44.2 88 45.4 91 53-121 3 20 ug/L 1,2-Dibromoethane (EDB) 50.0 48.5 97 47.1 94 66-125 3 20 03/26/13 19:46 < 0.180 ug/L 1,2-Dichlorobenzene < 0.140 50.0 45.0 90 43.8 88 58-124 3 20 ug/L 03/26/13 19:46 ug/L 03/26/13 19:46 44.0 88 42.7 85 55-141 3 20 1.2-Dichloroethane < 0.180 50.0 03/26/13 19:46 1,2-Dichloropropane < 0.150 50.0 45.5 91 45.2 90 78-121 1 20 ug/L 93 88 62-120 03/26/13 19:46 1,3-Dichlorobenzene < 0.170 50.0 46.4 44.1 5 20 ug/L ug/L 1,4-Dichlorobenzene < 0.170 50.0 44.3 89 43.0 86 64-114 3 20 03/26/13 19:46 03/26/13 19:46 1000 823 82 853 11-185 1.4-Dioxane < 8.84 85 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 98.2 98 99.9 100 55-136 20 03/26/13 19:46 2-Hexanone < 0.320 100 2 ug/L 4-Methyl-2-pentanone (MIBK) < 0.260 100 91.5 92 90.6 91 65-132 20 ug/L 03/26/13 19:46 1 ug/L 99 Acetone 99.1 99 98.5 40-140 20 03/26/13 19:46 < 0.350 100 1 89 0 20 Benzene < 0.160 50.0 44.3 89 44.3 77-118 ug/L 03/26/13 19:46 Bromodichloromethane < 0.250 46.8 94 45.9 92 68-125 2 20 03/26/13 19:46 50.0 ug/L Bromoform < 0.170 50.0 41.7 83 38.3 77 53-112 20 ug/L 03/26/13 19:46 40.5 03/26/13 19:46 Bromomethane < 0.250 50.0 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 Carbon tetrachloride < 0.330 50.0 41.0 82 39.2 78 56-138 4 20 ug/L 03/26/13 19:46 ug/L Chlorobenzene < 0.150 50.0 44 8 90 44.2 88 71-114 20 03/26/13 19:46 1 Chloroethane < 0.260 50.0 41.3 83 42.9 86 60-137 4 20 ug/L 03/26/13 19:46 Chloroform 87 86 65-131 03/26/13 19:46 < 0.160 50.0 43.5 43.1 1 20 ug/L Chloromethane < 0.250 50.0 38.8 78 37.9 76 48-151 2 20 ug/L 03/26/13 19:46 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 45.1 90 ug/L 03/26/13 19:46 cis-1,3-Dichloropropene 50.0 43.8 88 67-113 3 20 < 0.100 03/26/13 19:46 41.6 Cyclohexane < 0.150 50.0 83 43.1 86 61-141 4 20 ug/L Dibromochloromethane 41.9 84 42.9 86 53-125 20 ug/L 03/26/13 19:46 < 0.150 50.0 2 03/26/13 19:46 Dichlorodifluoromethane < 0.220 50.0 36.4 73 36.3 73 38-145 0 20 ug/L 45.8 92 45.5 91 66-127 20 03/26/13 19:46 Ethylbenzene < 0.190 50.0 1 ug/L 92 48.0 96 58-127 4 20 03/26/13 19:46 Isopropylbenzene < 0.150 50.0 46.0 ug/L 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 19:46 100 86.0 87.0 87 58-141 20 03/26/13 19:46 Methyl tert-butyl ether < 0.180 86 1 ug/L 50.0 43.6 87 86 64-128 2 20 03/26/13 19:46 Methylcyclohexane < 0.110 42.8 ug/L Methylene chloride < 0.420 50.0 41.2 82 42.6 85 63-150 3 20 ug/L 03/26/13 19:46 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 50.0 47.4 95 46.8 94 50-133 1 20 03/26/13 19:46 Styrene < 0.180 03/26/13 19:46 88 52-125 2 Tetrachloroethene 50.0 44.6 89 43.9 20 ug/L < 0.160 03/26/13 19:46 Toluene < 0.140 50.0 45.3 91 45.2 90 65-123 0 20 ug/L 82 03/26/13 19:46 trans-1,2-Dichloroethene < 0.210 50.0 44.3 89 40.9 65-135 8 20 ug/L trans-1,3-Dichloropropene ug/L 50.0 45.1 90 44.6 89 50-125 20 03/26/13 19:46 < 0.110 1 03/26/13 19:46 Trichloroethene < 0.19050.0 43.8 88 42.9 86 65-125 2 20 ug/L

90

43.8

88

51-145

3

20

ug/L

03/26/13 19:46



Seq Number:

Parameter

QC Summary 459815



Flag

Prep Method: SW5030B

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B 909969

Matrix: Ground Water Date Prep: 03/26/2013

MS Sample Id: 459741-002 S MSD Sample Id: 459741-002 SD Parent Sample Id: 459741-002 MS RPD **Parent** Spike MS MSD MSD Limits %RPD Units Analysis

Result %Rec Limit Date Result Amount Result %Rec 03/26/13 19:46 Vinyl chloride 74 52-140 < 0.190 50.0 35.0 70 37.2 20 ug/L

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



QC Summary 459815



Prep Method: SW5035

Date Prep: 03/25/2013

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B Seq Number: 909932 Matrix: Solid

LCS Sample Id: 635682-1-BKS LCSD Sample Id: 635682-1-BSD MB Sample Id: 635682-1-BLK

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	



QC Summary 459815



Prep Method: SW5035

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

 Seq Number:
 909932
 Matrix:
 Solid
 Date Prep:
 03/25/2013

 MB Sample Id:
 635682-1-BLK
 LCS Sample Id:
 635682-1-BKS
 LCSD Sample Id:
 635682-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Vinyl chloride	<2.01	50.0	53.2	106	47.1	94	70-130	12	20	ug/kg	03/25/13 06:51	
Surrogate	MB	MB	L		LCS	LCSI) LCSI	D Li	mits	Units	Analysis	

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



Parent Sample Id:

QC Summary 459815



AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

459815-019

Seq Number: 909932 Matrix: Soil

MS Sample Id: 459815-019 S

Date Prep: 03/25/2013 MSD Sample Id: 459815-019 SD

Prep Method: SW5035

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	



Seq Number:

QC Summary 459815



Prep Method: SW5035

03/25/2013

Date Prep:

AMEC E&I, Inc.

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

VOCs by SW-846 8260B 909932 Matrix: Soil

Parent Sample Id: 459815-019 MS Sample Id: 459815-019 S MSD Sample Id: 459815-019 SD

MS RPD **Parent** Spike MS MSD Limits %RPD Units Analysis MSD Flag **Parameter** Result Limit Date Result Amount %Rec Result %Rec 03/25/13 16:27 Vinyl chloride < 0.00237 0.0591 0.0550 93 0.0619 106 40-161 12 20 mg/kg

Surrogate		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

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full. Property of XENCO - Revision Date: Nov 12, 2009

288156 C.O.C. Serial #

Terms of payment are Net 30

				TOCCHO NUCLUIC IC NOTO			C				Page 7	7 of 3	* Container Type Codes	Codes
										Lab W.O		{	Vial Amber ES Vial Clear TS	Encore Sampler TerraCore Sampler
	4000160168 Atlanta: 6017 Fina	ancial Dr. Norord	Atlanta: 6017 Financial Dr. Norcross. GA 30071 770-449-8800	1-449-8800	Orlando: 5448	Hoffner Av. Ste	Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812		409-429-8022	-	18654	815	AC ZB	Air Canister Tedlar Bag Zip Lock Bag
Environment	montal Asbestos Radiochomistry Boca Raton: 323-XX MONCO.COM	1 NW 7th Ave, E netto Frontage I	Boca Raton: 3231 NW 7th Ave. Boca Raton, Fl. 33431 561-447-7373 Miami: 14100 Palmetto Frontage Rd. Miami Lakes, Fl. 33016 305-823-6	Boca Rator: 3231 NW 7th Ave, Boca Raton, Fl. 33431 561-447-7373 Miami: 14100 Palmetto Frontage Rd. Miami Lakes, Fl. 33016 305-823-8500		orth Falkenbur	fampa: 2505 North Falkenburg Rd, Tampa, FL 33619		813-620-2000	Field Bill	Billable Hrs:	***************************************	Plastic Amber PC	Plastic Clear
Company:	AME		# Od		TAT	Work Days = D	Need results by:	alts by:			_ Time:		Size(s): 20z, 40z, 80z, 160z, 320z ,	1Gal
Address:	iv		Quote #	±		Std (5-10D)	6Hrs 1D 2D	30	4D (CD) 7D 1	10D 14D	Other		Example: 4ozGC = 4oz Glass Clear 40mlVP = 40ml Vial Pre-preserved	ar e-preserved
City:			State: 64 Zip: 30524	\$052¥			ANAL	ANALYSES	REQUESTED	150			** Preservative Type	oe Codes
PM/Attn:	TIN BOUT		Phone: 404 S	ESIO LIB hoh	*	VP 66							E. HCL F. MeOH	AA.
email:	SAR			194 817 0183	Pres Type"	描出	. Section .					<u> </u>	and a	K. ZnAc&NaOH L. Asbc Acid&NaOH
Project Name	lame: 139 Bounth - Rod		Project ID: 6/21 09 0220	ozzo								• (c∀rı	Matrix Typo	e Codes Soil/Sediment/Solid
Sampler	Sampler Signature: 7 — 7	Circle One E Quarterly S	Circle One Event: Daily Weekly Quarterly Semi-Annual Annual	skiy Monthly ual N/A	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			<u></u>				ssubj	Vaste Water Water A urface Water O	92
# əldı	Sample ID	Collect Date	Collect Matrix Time Code ^	omposite or Grab ield iltered otal # of		700	hear					bloH A	-⊃മ	Urine
ns2 				<u>1</u>	# Cont	Lab Only:							REMARKS	ഗ
_	(2.37.1.2	2/14/12	1433 (3	2 KM 47										
	19.32 - 3.41	7,0,16										X	HOLD	
<u> </u>	69-33-1'		1530	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		8								
	49.33-2'		1535			<u> </u>		Ш				区	HOW	
<u> </u>	64.34-2.3		1600	3										
	68.34-3-5'		1602	3								B	HOW	
	6.35-3-3'		1.291	3.										
8	G.35-3-5'		1631	*								X .	FOCE	
6	CP. 26-2-3'	>	A Kall	→										
	GP.36-3-5"	3/19/13	1706 50	G MA 4								<u>x</u>	Hors	
	Reg, Program / Clean-up Std	STATE fc	STATE for Certs & Regs	a QA/QC Level		noi	EDDs				Coolers Te	Temp °C	Lab Use Only	YES NO N/A
CTLs T Other:	TRRP DW NPDES LPST DryCin	OK LY SA AL	FL TX GA NC SC NJ PA OK LA AL IL Other	1 2 3 4 CLP NELAC DoD-ELAP	AFCEE Other:	ADaPT S XLS Other:	8	ş T	Match Incomplete Absent Unclear	<u>-</u>	2.	3.	Non-Conformences found: Samples intact upon arrival?	-
	Relinquished by	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Affiliation	Date	Time		Received by	1	Affiliation	Date	\dagger		Keceived on Well Ice? Labeled with proper preservatives?	
ζ	A A		fring.	3/21/13	1233	3	4	1	ながあり		07	1608	Received within holding time? Custody seals intact?	
2	1000 CONTRACTOR		NACC.	3/21/13	1306	Dec. St.	9	deporas	3	12/1	3	40.1	VOCs rec'd w/o headspace? Proper containers used?	
3	The state of the s			_					***************************************				pH verified-acceptable, excl VOCs? Received on time to meet HTs?	
4	A A A A A A A A A A A A A A A A A A A							- 1				000 400 500 4000	San Antonio 240 600 3234	
18.5	FTS: Philadelphia 610-955-5649 South Ca	arolina 803-5	43-8099 B&AL	South Carolina 803-543-8099 B&A Laboratories: Corpus Christi 361-884-0371	ous Christi 36 [.]	-884-0371	Dallas 214-902-0300	r-0300	Houston 281-240-4200	-240-4200	Odessa 4	0001-000-70	dall relicing 2 10-003-0004	toro Mot 20
Execution days, and	Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco standard terms and choices previously agreement between client and Xenco temain the exclusive property of Xenco until invoices for such data are paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.	nd binding agree at 1.5% per mon	ement between clien th untif paid in full. A	it and Xenco for analyl	ical and testing s I data and reports	arvices provide generated by	d by Xenco to o	ient under A ie exclusive	enco's stanua property of Xe	d terms and no until invo	conditions um	ess previously a	greed in whiting, terms or permonal. Uil.	A Section 1

Property of XENCO - Revision Date: Nov 12, 2009

c.o.c. Serial #

N/A L. Ice J. MCAA K. ZnAc&NaOH L. Asbç Acid&NaOH Encore Sampler TerraCore Sampler ** Preservative Type Codes Soil/Sediment/Solid 2 Terms of payment are Net 30 Size(s): 20z, 40z, 80z, 160z, 320z, 1Gai 40ml, 125 ml, 250 ml, 500 ml, 11. Other Example: 40zG = 40z Glass Clear 40mlVp = 40ml Vial Pre-preserved * Container Type Codes Air Canister Tedlar Bag Zip Lock Bag Plastic Clear A Matrix Type Codes Air Oil Tissue REMARKS pH veriffed-acceptable, excl VOCs? Received on Wet Ice? Labeled with proper preservatives? South Carolina 803-543-8099 B&A Laboratories: Corpus Christi 361-884-0371 Dallas 214-902-0300 Houston 281-240-4200 Odessa 432-563-1800 San Antonio 210-509-3334 V Waste Water W V Vaste Water A P Surface Water O C Surface Water O C Product-Liquid U I Product-Solid B E Sludge Received on time to meet HTs? Received within holding time? VOCs rec'd w/o headspace? A. None E. HCL B. HNO₃ F. MeOH C. H₂SO₄ G. Na₂S₂O₃ D. NaOH H. NaHSO₂ Samples intact upon arrival? Vial Amber
Vial Clear
Vial Pre-preserved
Glass Amber
Glass Clear
Plastic Amber Non-Conformances found Proper containers used? Ground Water Custody seals intact? Lab Use Only 1500 100 Other \$ 5 8 8 8 8 8 :suoilibbA 30.81 Time Hold Sample (CALL 1238 1 R ¥ × ď Temp °C $\overline{\sim}$ က 450 8 Field Billable Hrs: Time: Other Coolers 3/24/0 Date ab W.O 14D ANALYSES REQUESTED 6Hrs 1D 2D 3D 4D (50)7D 10D Match Incomplete Absent Unclear COC & Labels Tampa: 2505 North Falkenburg Rd, Tampa, FL 33619 813-620-2000 Affiliation Orlando: 5448 Hoffner Av. Ste 408 Orlando, FL 32812 409-429-8022 BERE Cartillo Cartillo Need results by: ADaPT SEDD ERPIMS Received by EDDs 7007 Day o ر. ل X \boxtimes Z \mathbf{z} 25 \geq 3 KLS Other: CHAIN OF CUSTODY RECORD TAT Work Days = D GOM Ŝ Std (5-10D) × w **=** Lab Only 1 1201 QA/QC Level & Certification (2 ⊻ į.,b. 1 2 3 4 CLP AFCEE GAPP NELAC DoD-ELAP Other: Time 123 106 # Cont Cont Type * Pres Type" erenistnos Miami: 14100 Palmetto Frontage Rd. Miami Lakes, FL 33016 305-823-8500 d ب -37 Total # of Boca Raton: 3231 NW 7th Ave, Boca Raton, FL 33431 561-447-7373 3/2/1 3/21/0 **%** Date Filtered 世 Circie One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual NIA 404 817 DIS 2810 US hoh 6/21 09 0220 Field Atlanta: 6017 Financial Dr. Norcross, GA 30071 770-449-8800 Zip: \$3324 or Grab ৬ S S erisodmo STATE for Certs & Regs Quote # Matrix Code ^ Z Y FL TX GA NC SC NJ PA OK LA AL IL Other: 3 Ş # Od Affiliation 3 3 MARC Par Ei State: CA Collect 138 1550 Time 3 1.31 7 1113 145 147 1.70 Phone: Hax: 3/16/13 stablis 3/20/13 3/18/13 Collect Date 318113 Quarterly DryCin Relinquished by Reg. Program / Clean-up Std Bringh. LPST FTS: Philadelphia 610-955-5649 £, TRIP BUTINE Sample ID NPDES Latron Carolles Ver Boyli 356 Player 69-37-2 6-8-38 -1 68-38.2. 0 GP-37-1 xenco.com 30 AME 女 でいる アライ 69.32 Š 2.400 Atherta 100 Sampler Signature: TRRP Project Name: Company: Address: PM/Attn: α 9 9 0 CTLs 3 4 S email. က # əldms2

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. days, and all past due amounts shall accrue interest at 1.5% per month untit paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco untit invoices for such data are paid in full.

288158

C.O.C. Serial #



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: AMEC E&I, Inc.

Work Order #: 459815

Date/ Time Received: 03/21/2013 01:06:00 PM

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used: #61

Acceptable Temperature Range: 0 - 6 degC

Sample R	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	r? 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/ recei	ived? 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 Cus	stody? 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	4 inch bubble)? Yes	
#21 <2 for all samples preserved with HNO3,HCL, H25		
#22 >10 for all samples preserved with NaAsO2+NaO	H, ZnAc+NaOH? N/A	

Analyst:	PH Device/Lot#:	
Checklist completed	by: Dijana Piljak Dijana Piljak	Date: <u>03/25/2013</u>
Checklist reviewed	by: Dijana Piljak Dijana Piljak	Date: 03/25/2013

Analytical Report 479399

for

AMEC Environment & Infrastructure, Inc.

Project Manager: Tyler Boyles

139 Brampton Road

6121090220

20-FEB-14

Collected By: Client





6017 Financial Dr., Norcross, GA 30071 Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122): Texas (T104704215-14-16-TX), Arizona (AZ0765), Florida (E871002), Louisiana (03054) New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135) Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





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 RoadProject 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

ben D. Buchanan

Project Manager

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

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



Sample Cross Reference 479399



AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EW-6	S	02-11-14 10:30		479399-001
EW-4	W	02-12-14 12:55		479399-002
EW-5	W	02-12-14 09:33		479399-003
EW-6	W	02-12-14 10:28		479399-004
EW-7	W	02-12-14 11:46		479399-005
GW-4	W	02-13-14 09:28		479399-006
GW-5	W	02-13-14 10:30		479399-007
GW-7	W	02-13-14 13:35		479399-008
GW-10	W	02-13-14 12:15		479399-009
HA-NS-01-1'	S	02-13-14 15:20	1 ft	479399-010
HA-NS-02-1'	S	02-13-14 15:07	1 ft	479399-013
Trip Blank	W	02-13-14 00:00		479399-016
HA-NS-01-2'	S	02-13-14 15:24	2 ft	Not Analyzed
HA-NS-01-3'	S	02-13-14 15:30	3 ft	Not Analyzed
HA-NS-02-2'	S	02-13-14 15:10	2 ft	Not Analyzed
HA-NS-02-3'	S	02-13-14 15:13	3 ft	Not Analyzed



CASE NARRATIVE



Client Name: AMEC Environment & Infrastructure, Inc.

Project Name: 139 Brampton Road

 Project ID:
 6121090220
 Report Date:
 20-FEB-14

 Work Order Number(s):
 479399
 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.





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	U	J nits	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	BRL	0.833	m	ng/kg	02.19.14 13.49	U	1





AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: EW-4 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-002 Date Collected: 02.12.14 12.55

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

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





AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: EW-4 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-002 Date Collected: 02.12.14 12.55

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-003 Date Collected: 02.12.14 09.33

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

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





AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: EW-5 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-003 Date Collected: 02.12.14 09.33

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Parameter	Cas Number	r 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 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-004 Date Collected: 02.12.14 10.28

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

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





AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: EW-6 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-004 Date Collected: 02.12.14 10.28

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-005 Date Collected: 02.12.14 11.46

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

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





AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: EW-7 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-005 Date Collected: 02.12.14 11.46

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-006 Date Collected: 02.13.14 09.28

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

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





AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GW-4 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-006 Date Collected: 02.13.14 09.28

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Parameter	Cas Number	r 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 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-007 Date Collected: 02.13.14 10.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

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





AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GW-5 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-007 Date Collected: 02.13.14 10.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Parameter	Cas Numbe	r 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

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 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-009 Date Collected: 02.13.14 12.15

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

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





AMEC Environment & Infrastructure, Inc., Atlanta, GA

139 Brampton Road

Sample Id: GW-10 Matrix: Ground Water Date Received:02.14.14 14.20

Lab Sample Id: 479399-009 Date Collected: 02.13.14 12.15

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: JOL % Moisture:

Analyst: JOL Date Prep: 02.18.14 09.16

Parameter	Cas Numbe	r 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		





Dry Weight

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:

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





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

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

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





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

Parameter	Cas Numbe	r 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

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 - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

	Phone	Fax
4143 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd, Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	



QC Summary 479399



AMEC Environment & Infrastructure, Inc.

139 Brampton Road

Analytical Method: Metals, Total by SW846 6010C Prep Method: SW3050B

Seq Number: 934418 Matrix: Solid Date Prep: 02.18.14

MB Sample Id: 651157-1-BLK LCS Sample Id: 651157-1-BKS LCSD Sample Id: 651157-1-BSD

LCS %RPD MB Spike LCS Limits **RPD** LCSD LCSD Units Analysis Flag **Parameter** Result Limit Date Result Amount %Rec %Rec Result 20 02.19.14 14:02 Lead < 0.279 100 94.4 94 93.5 94 75-125 mg/kg

Analytical Method: Metals, Total by SW846 6010C Prep Method: SW3050B

Seq Number: 934418 Matrix: Soil Date Prep: 02.18.14

Parent Sample Id: 479399-013 MD Sample Id: 479399-013 D

Parent MD %RPD RPD Units Analysis Flag **Parameter** Result Result Limit Date Lead 13.5 12.7 6 20 02.19.14 14:08 mg/kg

Analytical Method: Metals, Total by SW846 6010C Prep Method: SW3050B

 Seq Number:
 934418
 Matrix:
 Soil
 Date Prep:
 02.18.14

 Parent Sample Id:
 479399-013
 MS Sample Id:
 479399-013 S
 MSD Sample Id:
 479399-013 SD

RPD MS Parent Spike MS **MSD MSD** Limits %RPD Units Analysis Flag **Parameter** Result Limit Date Result Amount %Rec Result %Rec 02.19.14 14:10 Lead 13.5 117 124 94 121 90 75-125 2 20 mg/kg

Analytical Method: Percent Moisture

Seq Number: 934210 Matrix: Soil

Parent Sample Id: 479435-001 MD Sample Id: 479435-001 D

MD %RPD **RPD** Parent Units Analysis Flag **Parameter** Result Limit Result Date 02.17.14 16:15 Percent Moisture 20.8 3 20 21.4 %

Analytical Method: Percent Moisture

Seq Number: 934210 Matrix: Soil

Parent Sample Id: 479435-011 MD Sample Id: 479435-011 D

Parent MD %RPD **RPD** Units Analysis Flag Parameter Result Result Limit Date Percent Moisture 13.4 13.0 3 20 % 02.17.14 16:15

Analytical Method: Percent Moisture

Seq Number: 934210 Matrix: Soil

Parent Sample Id: 479435-021 MD Sample Id: 479435-021 D

Parent MD %RPD **RPD** Units Analysis Flag **Parameter** Result Result Limit Date 12.4 12.4 0 20 02.17.14 16:15 Percent Moisture %





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-BSD LCSD Sample Id: 934339-1-BSD

%RPD LCS RPD MB Spike LCS LCSD Limits Units Analysis LCSD Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec

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 MD %RPD RPD Units Analysis Flag
Result Result Limit Date

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 8260BPrep Method:SW 5030BSeq Number:934338Matrix:WaterDate Prep:02.18.14

MB Sample Id: 651257-1-BLK LCS Sample Id: 651257-1-BSD LCSD Sample Id: 651257-1-BSD

MB Sample Id: 651257-1	-BLK		LCS Sar	nple Id:	651257-1	-BKS		LCS	D Sample	e Id: 651	257-1-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	Н
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	Н
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	< 0.110	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 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 ug/L	02.18.14 10:25	
,1 0	.5.175	50.0	11.0	0.	50.0	, 0	20113	-0	_0	~5/ L		





AMEC Environment & Infrastructure, Inc.

139 Brampton Road

Analytical Method:Xylenes by SW-846 8260BPrep Method:SW5030BSeq Number:934338Matrix:WaterDate Prep:02.18.14MB Sample Id:651257-1-BLKLCS Sample Id:651257-1-BKSLCSD Sample Id:651257-1-BSD

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	102		106		105		53-159	%	02.18.14 10:25
4-Bromofluorobenzene	105		103		104		30-186	%	02.18.14 10:25
Toluene-D8	110		109		107		70-130	%	02.18.14 10:25





AMEC Environment & Infrastructure, Inc.

139 Brampton Road

Analytical Method: Xylenes by SW-846 8260B Prep Method: SW5030B

 Seq Number:
 934338
 Matrix:
 Ground Water
 Date Prep:
 02.18.14

 Parent Sample Id:
 479399-002
 MS Sample Id:
 479399-002 S
 MSD Sample Id:
 479399-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	< 0.160	50.0	44.1	88	43.8	88	59-138	1	20	ug/L	02.18.14 20:52	
1,1,2,2-Tetrachloroethane	< 0.180	50.0	62.3	125	60.6	121	63-126	3	20	ug/L	02.18.14 20:52	
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 0.110	50.0	40.9	82	40.3	81	53-138	1	20	ug/L	02.18.14 20:52	
1,1,2-Trichloroethane	< 0.250	50.0	56.9	114	55.2	110	72-115	3	20	ug/L	02.18.14 20:52	
1,1-Dichloroethane	< 0.110	50.0	45.6	91	45.1	90	69-132	1	20	ug/L	02.18.14 20:52	
1,1-Dichloroethene	< 0.200	50.0	39.8	80	46.5	93	62-131	16	20	ug/L	02.18.14 20:52	
1,2,4-Trichlorobenzene	< 0.170	50.0	52.4	105	52.7	105	34-131	1	20	ug/L	02.18.14 20:52	
1,2-Dibromo-3-Chloropropane	< 0.190	50.0	60.4	121	58.2	116	53-121	4	20	ug/L	02.18.14 20:52	
1,2-Dibromoethane	< 0.180	50.0	57.2	114	55.5	111	66-125	3	20	ug/L	02.18.14 20:52	
1,2-Dichlorobenzene	< 0.140	50.0	52.6	105	52.5	105	58-124	0	20	ug/L	02.18.14 20:52	
1,2-Dichloroethane	< 0.180	50.0	47.5	95	46.2	92	55-141	3	20	ug/L	02.18.14 20:52	
1,2-Dichloropropane	< 0.150	50.0	47.5	95	47.4	95	78-121	0	20	ug/L	02.18.14 20:52	
1,3-Dichlorobenzene	< 0.170	50.0	51.6	103	50.6	101	62-120	2	20	ug/L	02.18.14 20:52	
1,4-Dichlorobenzene	< 0.170	50.0	51.4	103	50.7	101	64-114	1	20	ug/L	02.18.14 20:52	
1,4-Dioxane (P-Dioxane)	< 8.84	1000	2620	262	2820	282	11-185	7	20	ug/L	02.18.14 20:52	X
Methyl ethyl ketone	< 0.280	100	123	123	120	120	50-152	2	20	ug/L	02.18.14 20:52	
2-Hexanone	< 0.320	100	138	138	133	133	55-136	4	20	ug/L	02.18.14 20:52	X
4-Methyl-2-Pentanone	< 0.260	100	111	111	107	107	65-132	4	20	ug/L	02.18.14 20:52	
Acetone	< 0.350	100	105	105	103	103	40-140	2	20	ug/L	02.18.14 20:52	
Benzene	< 0.160	50.0	45.8	92	45.6	91	77-118	0	20	ug/L	02.18.14 20:52	
Bromodichloromethane	< 0.250	50.0	47.3	95	47.0	94	68-125	1	20	ug/L	02.18.14 20:52	
Bromoform	< 0.170	50.0	60.6	121	60.1	120	53-112	1	20	ug/L	02.18.14 20:52	X
Methyl bromide	< 0.250	50.0	35.5	71	33.1	66	63-137	7	20	ug/L	02.18.14 20:52	
Carbon Disulfide	< 0.260	50.0	40.0	80	40.8	82	26-147	2	20	ug/L	02.18.14 20:52	
Carbon Tetrachloride	< 0.330	50.0	43.2	86	42.4	85	56-138	2	20	ug/L	02.18.14 20:52	
Chlorobenzene	< 0.150	50.0	51.7	103	50.2	100	71-114	3	20	ug/L	02.18.14 20:52	
Chloroethane	< 0.260	50.0	37.4	75	36.6	73	60-137	2	20	ug/L	02.18.14 20:52	
Chloroform	< 0.160	50.0	45.9	92	45.3	91	65-131	1	20	ug/L	02.18.14 20:52	
Methyl Chloride	< 0.250	50.0	32.1	64	32.2	64	48-151	0	20	ug/L	02.18.14 20:52	
cis-1,2-Dichloroethylene	< 0.210	50.0	46.4	93	45.9	92	22-185	1	20	ug/L	02.18.14 20:52	
cis-1,3-Dichloropropene	< 0.100	50.0	48.3	97	47.5	95	67-113	2	20	ug/L ug/L	02.18.14 20:52	
Cyclohexane	< 0.150	50.0	31.9	64	30.7	61	61-141	4	20	ug/L ug/L	02.18.14 20:52	
Dibromochloromethane	< 0.150	50.0	54.2	108	53.9	108	53-125	1	20	ug/L 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 ug/L	02.18.14 20:52	
Isopropylbenzene	< 0.150	50.0	49.5	99	48.9	98	58-127	1	20	ug/L ug/L	02.18.14 20:52	
m,p-Xylenes	< 0.510	100	110	110	101	101	65-126	9	20	ug/L ug/L	02.18.14 20:52	
Methyl Acetate	< 0.260	50.0	48.2	96	47.1		65-135	2	20	ug/L ug/L	02.18.14 20:52	
MTBE	< 0.180	100	101	101	98.6	99	58-141	2	20	ug/L ug/L	02.18.14 20:52	
Methylcyclohexane	< 0.110	50.0	35.7	71	35.3	71	64-128	1	20	ug/L 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 ug/L	02.18.14 20:52	
o-Xylene	< 0.420	50.0	53.5	107	50.7	101	64-123	5	20	ug/L ug/L	02.18.14 20:52	
Styrene	< 0.180	50.0	52.2	107	50.7	101	50-133	3	20	ug/L ug/L	02.18.14 20:52	
Tetrachloroethylene	< 0.160	50.0	48.9	98	47.9	96	52-125	2	20	ug/L 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	





Prep Method: SW5030B

AMEC Environment & Infrastructure, Inc.

139 Brampton Road

Analytical Method: Xylenes by SW-846 8260B

 Seq Number:
 934338
 Matrix:
 Ground Water
 Date Prep:
 02.18.14

 Parent Sample Id:
 479399-002
 MS Sample Id:
 479399-002 S
 MSD Sample Id:
 479399-002 SD

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	105		105		53-159	%	02.18.14 20:52
4-Bromofluorobenzene	103		104		30-186	%	02.18.14 20:52
Toluene-D8	109		108		70-130	%	02.18.14 20:52

XENCO LABORATORIES CHAIN OF CUSTODY

of 9 Page

Fax # (770) 449-5477 Phone # (770) 449-8800

6017 Financial Drive, Norcross, GA 30071

מוצם - עצם מעם	Ŋ				
Company Name: 4.	AMEC	-		Receiver's Initials/Temp:	N-1 3.7°C 120,200
Address: 396 Pl	Plastin AR			Custody Seal(s): / 🔘 N	Lab Work Order # 7+7'549
Results Sent to: 74	THE Som			P.O.# (if required):	
Email address: +1/4.	+yle both, o lance con	<u>Liebalerrorrorrorrorrorrorrorrorrorrorrorrorro</u>		Field Comments / Lab Precautions:	ıtions:
Contact Phone #: 40	404 817 0153	Cell#: 404 663	9037		
(3)		Fal			Analysis Requested
Project Number (ID):	S		Container Type:	ype: 6C VC VL &C	
Regulatory Program:			Chemical Preservation Code: NA	ode: NR	
Sampler(s): (signature)	Je J	Sampler(s): (p)	Sampler(s): (printed)	Aller .	
ie No.	Samule	, and the state of	oricod	T	
🛅 Sample ID #		Date / Time	(See Com End	17 X/ Cs	
1 EW.6	•	2/11/14 1030	8 1 3	×	
2 EW. 4	\	2/12/14 1255	Gw X 2	*	
3 EW-5		Hilly 933	EW X 2	×	
4 EW.6	•	Hodry 1028	SW X 2	×	
5 EW-7	1	3411 Mall	5 x 2	×	
h-M2 9		2/13/14 928	S X M	*	
2-M-2	1	2115/by 1030	7 × 2	×	
2-M-9 8	-	2/15/14 1335	N X	×	
01-41-9 6	\	2417/4 1215	GW x 2	×	
10 HA-MS-01-	***************************************	Hally 1520	1 (12) 1	×	
1) Relinguished By:	WANTE CONTRACTOR OF THE CONTRACTOR OF T	Date / Time	2) Received By:	O I y Ly 14:2	Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By:		Date / Time	4) Received By:	Date / Time	Turnaround Time (business days) TAT Starts when samples are rec'd by 2PM
5) Relinquished By:		Date / Time	6) Received By:	Date / Time	10 Days;3 Days
					2 Days; 1 Day; Same Day
					ì

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) 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 Chemical Preservation Codes: 1 = HCL / 2 = HNO₃ / 3 = H₂SO₄ / 4 = NaOH + NaAsO₂ / 5 = NaOH + ZnAc / 6 = Na₂S₂O₃ / 7 = NaHSO₄ & MeOH / 8 = DI Water & MeOH

X U U

XENCO LABORATORIES CHAIN OF CUSTODY

Page 2 of 32 6017 Financial Drive, Norcross, GA 30071

Phone # (770) 449-8800 Fax # (770) 449-5477

Fed Ex / UPS / Courier / Lab Pickup / Hand / Other IAT Starts when samples are rec'd by 2PM _10 Days; __5-7 Days; __3 Days Turnaround Time (business days) 6686th Delivered by: (Circle One) Lab Work Order # Analysis Requested 2 Days; Field Comments / Lab Precautions: はなるなら なるであり回 シタをどろう ~ 20° Date / Time Date / Time Date / Time Receiver's Initials/Temp: P.O.# (if required) Custody Seal(s): まる まり 会生 Z Chemical Preservation Code: | NA Container Type: Containers No. of 4) Received By: 6) Received By: 2) Received By: Sampler(s): (printed) Grab Composite 9035 (Wolad aak) Matrix 404 663 Date / Time Date / Time Date / Time 1524 1530 015/ (1) 1507 Date / Time Collection Cell#: 2/13/19 7/11/16 12/13/17 2/13/14 11/K)/R Red Email address: tyle, bayly & Amer 100 Depth (Ft) Project Name (Site): 139 (34 pmphs. Project Number (ID): 6/2/ 09 0220 Sample ž d ₹ 1 Esio Cig hoh 396 Plasky Ave **下於 88**卷 Sampler(s): (signature)— AMEC Sample ID# KA- 145-02-2 44.N5.02.3 1-60-511-84 HA-115-01-HA- NS-01-Regulatory Program: 1) Relinquished By: Relinquished By: 5) Relinquished By: Company Name: Contact Phone #: Results Sent to: Address: 2 S ထ ∞ တ Line No. ~

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) 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 Chemical Preservation Codes: 1 = HCL / 2 = HNO₃ / 3 = H₂SO₄ / 4 = NaOH + NaAsO₂ / 5 = NaOH + ZnAc / 6 = Na₂S₂O₃ / 7 = NaHSO₄ & MeOH / 8 = DI Water & MeOH

Sample No. --CUSTODY SEAL

_Time Collected __

Person Collecting Sample ---

Date Collected —

Page 34 of 35

Final 1.000



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: AMEC Environment & Infrastructure, Inc.

Date/ Time Received: 02/14/2014 02:20:00 PM

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Work Order #: 479399

Analyst:

Temperature Measuring device used: #61

Sa	ample 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 contained	c/ 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 C	Custody? Yes	
#9 Any missing/extra samples?	No	
#10 Chain of Custody signed when relinquishe	d/ received? Yes	
#11 Chain of Custody agrees with sample labe	el(s)? Yes	
#12 Container label(s) legible and intact?	Yes	
#13 Sample matrix/ properties agree with Chair	n 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 tes	t(s)? Yes	
#18 All samples received within hold time?	Yes	
#19 Subcontract of sample(s)?	Yes	
#20 VOC samples have zero headspace (less	than 1/4 inch bubble)? Yes	
#21 <2 for all samples preserved with HNO3,H	CL, H2SO4? N/A	
#22 >10 for all samples preserved with NaAsO	2+NaOH, ZnAc+NaOH? N/A	

Must be completed for after-hours deliver	ry of samples prior t	o placing in the refrigerator
---	-----------------------	-------------------------------

PH Device/Lot#:

Checklist completed by:	Dank C. Jollon David C. Fuller	Date: 02/17/2014
Checklist reviewed by:	Elen D. Buhan, Jr.	Date: 02/17/2014

Eben Buchanan



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-107724-1

Client Project/Site: Rheem - Brampton Rd.

For:

AMEC Environment & Infrastructure, Inc. 2677 Buford Highway Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:

12/2/2014 3:00:53 PM Sheila Hoffman, Project Manager II (912)354-7858 e.3004

sheila.hoffman@testamericainc.com

Designee for

Lisa Harvey, Project Manager II (912)354-7858 e.3221

lisa.harvey@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

4

3

4

5

6

7

9

10

11

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

4

5

6

0

9

10

11

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.

Reporting Limit or Requested Limit (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Relative Percent Difference, a measure of the relative difference between two points

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

RL

RPD

TEF

TEQ

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

TestAmerica Savannah

Sample Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

3

4

5

0

10

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: A-BM-1

TestAmerica Job ID: 680-107724-1

Lab Sample ID: 680-107724-1

Matrix: Solid

Date Collected: 12/01/14 11:35 Date Received: 12/01/14 14:39 Percent Solids: 86.7

Method: 6010C - Metals (ICP)								
Analyte	Result Qual	ifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140	1.0	0.56	mg/Kg	#	12/01/14 15:22	12/02/14 11:10	1

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: A-SW-1

TestAmerica Job ID: 680-107724-1

Lab Sample ID: 680-107724-2

Date Collected: 12/01/14 11:38 Matrix: Solid Date Received: 12/01/14 14:39 Percent Solids: 82.8

Method: 6010C - Metals (ICP)							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Lead	78	1.2	0.62 mg/Kg	-	12/01/14 15:22	12/02/14 11:33	1

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Lab Sample ID: 680-107724-3

Client Sample ID: A-SW-2 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 RLMDL Unit D Prepared Analyzed Dil Fac ₩ Lead 180 1.1 0.57 mg/Kg 12/01/14 15:22 12/02/14 11:37

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Lab Sample ID: 680-107724-4

Matrix: Solid

Percent Solids: 87.6

Client Sample ID: A-SW-3 Date Collected: 12/01/14 11:42

Method: 6010C - Metals (ICP)

Date Received: 12/01/14 14:39

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Lead	57	1.0	0.55 mg/Kg	<u> </u>	12/01/14 15:22	12/02/14 11:42	1

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: A-SW-4

TestAmerica Job ID: 680-107724-1

Lab Sample ID: 680-107724-5

Matrix: Solid

Percent Solids: 88.3

Date Collected: 12/01/14 11:44 Date Received: 12/01/14 14:39

Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac ₩ Lead 13 1.1 0.60 mg/Kg 12/01/14 15:22 12/02/14 11:56

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Method: 6010C - Metals (ICP)

Matrix: Solid

Analyte

Lead

Analysis Batch: 361282

Lab Sample ID: MB 680-361141/1-A

Lab Sample ID: LCS 680-361141/2-A

Lab Sample ID: 680-107724-1 MS

TestAmerica Job ID: 680-107724-1

Client Sample ID: Method Blank Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prep Batch: 361141

Client Sample ID: A-BM-1

мв мв Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 0.95 0.50 mg/Kg 12/01/14 15:22 12/02/14 11:01 0.50 U

Matrix: Solid Prep Type: Total/NA Analysis Batch: 361282 **Prep Batch: 361141** Spike LCS LCS Analyte Added Result Qualifier Unit D %Rec Limits Lead 45.5 45.4 mg/Kg 100 80 - 120

Matrix: Solid Prep Type: Total/NA Analysis Batch: 361282 **Prep Batch: 361141** Spike MS MS Sample Sample %Rec. Result Qualifier Added Result Qualifier Unit D %Rec Limits Lead 140 52.4 216 F1 Ü 145 75 _ 125 mg/Kg

Lab Sample ID: 680-107724-1 MSD Client Sample ID: A-BM-1 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 361282 **Prep Batch: 361141** RPD Sample Sample Spike MSD MSD %Rec. Analyte Result Qualifier Added Result Qualifier Limits Limit Unit %Rec 140 52.4 174 F1 F2 65 Lead mg/Kg 75 - 125 22 20

QC Association Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Metals

Prep Batch: 361141

Client Sample ID	Prep Type	Matrix	Method	Prep Batch
A-BM-1	Total/NA	Solid	3050B	
A-BM-1	Total/NA	Solid	3050B	
A-BM-1	Total/NA	Solid	3050B	
A-SW-1	Total/NA	Solid	3050B	
A-SW-2	Total/NA	Solid	3050B	
A-SW-3	Total/NA	Solid	3050B	
A-SW-4	Total/NA	Solid	3050B	
Lab Control Sample	Total/NA	Solid	3050B	
Method Blank	Total/NA	Solid	3050B	
	A-BM-1 A-BM-1 A-SW-1 A-SW-2 A-SW-3 A-SW-4 Lab Control Sample	A-BM-1 A-BM-1 Total/NA A-BM-1 Total/NA A-SW-1 Total/NA A-SW-2 Total/NA A-SW-3 Total/NA A-SW-4 Lab Control Sample Total/NA	A-BM-1 Total/NA Solid A-BM-1 Total/NA Solid A-BM-1 Total/NA Solid A-SW-1 Total/NA Solid A-SW-2 Total/NA Solid A-SW-3 Total/NA Solid A-SW-4 Total/NA Solid Lab Control Sample Total/NA Solid	A-BM-1 Total/NA Solid 3050B A-BM-1 Total/NA Solid 3050B A-BM-1 Total/NA Solid 3050B A-SW-1 Total/NA Solid 3050B A-SW-2 Total/NA Solid 3050B A-SW-3 Total/NA Solid 3050B A-SW-4 Total/NA Solid 3050B Lab Control Sample 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	

Ω

9

1 N

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.10 g	100 mL	361282	12/02/14 11:10	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361149	12/01/14 16:13	MDK	TAL SAV

Lab Sample ID: 680-107724-2 Client Sample ID: A-SW-1

Date Collected: 12/01/14 11:38 **Matrix: Solid** Date Received: 12/01/14 14:39 Percent Solids: 82.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.04 g	100 mL	361282	12/02/14 11:33	ВСВ	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361149	12/01/14 16:13	MDK	TAL SAV

Lab Sample ID: 680-107724-3 Client Sample ID: A-SW-2

Date Collected: 12/01/14 11:39 Matrix: Solid Date Received: 12/01/14 14:39 Percent Solids: 87.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.06 g	100 mL	361282	12/02/14 11:37	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361149	12/01/14 16:13	MDK	TAL SAV

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.09 g	100 mL	361282	12/02/14 11:42	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361149	12/01/14 16:13	MDK	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-1

Lab Sample ID: 680-107724-5

Matrix: Solid

Percent Solids: 88.3

Client Sample ID: A-SW-4	Lab Sample
Date Collected: 12/01/14 11:44	
Date Received: 12/01/14 14:39	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.00 g	100 mL	361282	12/02/14 11:56	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361149	12/01/14 16:13	MDK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

DATE 22725 3000 RECEIVED BY: (SIGNATURE) ۵. خ LABORATORY REMARKS TIME SAVANNAH LOG NO. (-Sto - 107724) DATE LABORATORY USE ONLY CUSTODY SEAL NO. RECEIVED BY: (SIGNATURE) CUSTODY INTACT DATE

STEEL STORES STORES WITH THE STORES OF STORES STORES STORES STORES STORES STORES STORES						The second section of the second section secti	accessive concentration is a superior contract of the contract	TAMEN PERSONAL PROPERTY OF THE PERSONAL PROPER	A PROPERTY OF THE PROPERTY OF	allingyandangovannyalinganananananananananananananananananana
	ANALYSIS	ANALYSIS RECUEST AND CHAIN OF CUSTODY RECORD	OF CUSTODY R			TestAme	TestAmerica Savannah		Website: www	Website: www.testamericainc.com
						5102 LaR Savannah	5102 LaRoche Avenue Savannah, GA 31404		Phone: (912) 354-7858 Fax: (912) 352-0165	354-7858 2-0165
					V	> Alternate	Afternate Laboratory Name/Location	ocation		·
THE LEADER IN ENVIRONMENTAL TESTING	IRONMENTAL	TESTING							riione: Fax:	
PROJECT REFERENCE Rheem - Brampton Rd.	Z	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	, X a		REOUIRE	REOUIRED ANALYSIS		PAGE OF
TAL (LAB) PROJECT MANAGER	H.	P.O. NUMBER	CONTRACT NO.	31	(,	7 ⁵ 2				STANDARD REPORT DELIVERY
CLIENT (SITE) PM	¥	CLIENT PHONE	CLIENT FAX	NDICY	LNBAT	77				DATE DUE
CLIENT NAME	ر مرد	CLIENT E-MAIL PAUL GAZZOGI	301000000000000000000000000000000000000	(pa)	ר' פכ) G				EXPEDITED REPORT
N W W		Chuck Pering AMCC. C	CC. CO. 72			76				GE)
CLIENT ADDRESS		CLIENT ADDRESS		/uai		7				DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable)	HIS WORK (if appli	icable)	ORITE (O	OB SEM	3NEON8					NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
SAMPLE) II O	}				-	0/10 45 4 1 0
DATE TIME		SAMPLE IDENTIFICATION		2V	JI∀		NUMBER OF CONTAINE	I Allve,		HEIMARKS
N N	4 1 2	···		7				680		Add Hover (email?
ge 1	1 : ms - H	***************************************		<u>ئ</u>	7	13		-107		Jast - 70226 @ AMELICA

Serial Number 87557

Ž 1

15 ·5-

18 W. S シャング

> 35.3 1:44

(2/1/17 11:33

1881

Constitution of the second

TAL8240-680 (1008)

TIME

DATE

RELINOUISHED BY: (SIGNATURE)

TIME

DATE

RELINQUISHED BY: (SIGNATURE)

1433 TIME

Z

RELINQUISHED BY: (SIGNATURE)

RECEIVED BY: (SIGNATURE)

TO SIGNATURE TO BE LABORATORY BY

TIME

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

oreator. Conner, Reaton		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

4

5

7

ŏ

10

4 4



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-107724-2

Client Project/Site: Rheem - Brampton Rd.

For:

AMEC Environment & Infrastructure, Inc. 2677 Buford Highway Atlanta, Georgia 30324

Attn: Chuck Ferry

Subar Hosey

Authorized for release by: 12/3/2014 4:17:39 PM

Lisa Harvey, Project Manager II (912)354-7858 e.3221

lisa.harvey@testamericainc.com

..... LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

TestAmerica Job ID: 680-107724-2

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

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

TestAmerica Savannah 12/3/2014

Case Narrative

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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.

4

3

4

5

6

Q

10

11

Method Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

TestAmerica Savannah

Δ

5

6

0

9

10

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.

Indicates the analyte was analyzed for but not detected.

These commonly used abbreviations may or may not be present in this report.

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 VC	DA COMPANIENTE DE LA COMPANIENTE DEL COMPANIENTE DE LA COMPANIENTE

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
Metals	
Qualifier	Qualifier Description

Glossary

Abbreviation

U

¤	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)

TestAmerica Savannah

Page 5 of 30

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.

Client Sample ID

Borrow Pit

Project/Site: Rheem - Brampton Rd.

Lab Sample ID

680-107724-6

TestAmerica Job ID: 680-107724-2

Matrix	Collected	Received
Solid	12/01/14 13:18	12/01/14 14:39

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: Borrow Pit

Date Collected: 12/01/14 13:18

TestAmerica Job ID: 680-107724-2

Lab Sample ID: 680-107724-6

Matrix: Solid Percent Solids: 94.4

Pate Received: 12/01/14 14:39								Percent Soli	ds: 94.4
Method: 8260B - Volatile Organ	ic 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	
Carbon disulfide	0.0014	U	0.0064	0.0014	mg/Kg	\$	12/01/14 15:28	12/01/14 17:47	
Carbon tetrachloride	0.0011	U	0.0064	0.0011	mg/Kg	₩	12/01/14 15:28	12/01/14 17:47	
Chlorobenzene	0.0012	U	0.0064	0.0012	mg/Kg	₩	12/01/14 15:28	12/01/14 17:47	
Chloroethane	0.0034	U	0.0064	0.0034	mg/Kg	₩	12/01/14 15:28	12/01/14 17:47	
Chloroform	0.0014	U	0.0064	0.0014	mg/Kg	₩	12/01/14 15:28	12/01/14 17:47	
Chloromethane	0.0013	U	0.0064	0.0013	mg/Kg	₩	12/01/14 15:28	12/01/14 17:47	
cis-1,2-Dichloroethene	0.0018	U	0.0064	0.0018	mg/Kg	₩	12/01/14 15:28	12/01/14 17:47	
cis-1,3-Dichloropropene	0.0011	U	0.0064	0.0011	mg/Kg	₩	12/01/14 15:28	12/01/14 17:47	
Cyclohexane	0.0017	U	0.0064	0.0017	mg/Kg	₩	12/01/14 15:28	12/01/14 17:47	
Dibromochloromethane	0.0022	U	0.0064	0.0022	mg/Kg	₽	12/01/14 15:28	12/01/14 17:47	
1,2-Dibromo-3-Chloropropane	0.0056	U	0.013	0.0056	mg/Kg	☼	12/01/14 15:28	12/01/14 17:47	
1,2-Dibromoethane	0.0019	U	0.0064	0.0019	mg/Kg	≎	12/01/14 15:28	12/01/14 17:47	
1.2-Dichlorobenzene	0.0017	· · · · · · · · · · · · · · · · · · ·	0.0064	0.0017	ma/Ka		12/01/14 15:28	12/01/14 17:47	

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	φ.	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	φ.	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							

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107724-2

Lab Sample ID: 680-107724-6

Matrix: Solid

Percent Solids: 94.4

Client Sample ID: Borrow	Pit
Date Collected: 12/01/14 13:18	

Date Received: 12/01/14 14:39

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

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		0.35		mg/Kg		12/01/14 15:54	12/03/14 12:07	1

TestAmerica Savannah

3

5

6

8

10

11

TestAmerica Job ID: 680-107724-2

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

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

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 Qual	lifier 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

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	U	0.0018	0.00015	mg/Kg	₩	12/01/14 15:54	12/02/14 16:19	1
beta-BHC	0.00035 U	U	0.0018	0.00035	mg/Kg	₩	12/01/14 15:54	12/02/14 16:19	1
Chlordane (technical)	0.0031 l	U	0.018	0.0031	mg/Kg	\$	12/01/14 15:54	12/02/14 16:19	1
4,4'-DDD	0.00019 U	U	0.0018	0.00019	mg/Kg	₽	12/01/14 15:54	12/02/14 16:19	1
4,4'-DDE	0.00019 U	U	0.0018	0.00019	mg/Kg	₩	12/01/14 15:54	12/02/14 16:19	1
4,4'-DDT	0.00023 U	U	0.0018	0.00023	mg/Kg	₽	12/01/14 15:54	12/02/14 16:19	1
delta-BHC	0.00020 U	U	0.0018	0.00020	mg/Kg	₩	12/01/14 15:54	12/02/14 16:19	1
Dieldrin	0.00018 U	U	0.0018	0.00018	mg/Kg	₽	12/01/14 15:54	12/02/14 16:19	1
Endosulfan I	0.00018 U	U	0.0018	0.00018	mg/Kg	₽	12/01/14 15:54	12/02/14 16:19	1
Endosulfan II	0.00016 U	U	0.0018	0.00016	mg/Kg	₩	12/01/14 15:54	12/02/14 16:19	1
Endosulfan sulfate	0.00022 l	U	0.0018	0.00022	mg/Kg	₽	12/01/14 15:54	12/02/14 16:19	1
Endrin	0.00023 U	U	0.0018	0.00023	mg/Kg	₩	12/01/14 15:54	12/02/14 16:19	1
Endrin aldehyde	0.00023 U	U	0.0018	0.00023	mg/Kg	₩	12/01/14 15:54	12/02/14 16:19	1
Endrin ketone	0.00021 U	U	0.0018	0.00021	mg/Kg	₽	12/01/14 15:54	12/02/14 16:19	1
gamma-BHC (Lindane)	0.00015 U	U	0.0018	0.00015	mg/Kg	\$	12/01/14 15:54	12/02/14 16:19	1
Heptachlor	0.00020 l	U	0.0018	0.00020	mg/Kg	₽	12/01/14 15:54	12/02/14 16:19	1

TestAmerica Savannah

Page 9 of 30

3

5

8

9

4 4

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd. **Client Sample ID: Borrow Pit**

Silver

TestAmerica Job ID: 680-107724-2

Lab Sample ID: 680-107724-6

Matrix: Solid

Date Collected: 12/01/14 13:18 Date Received: 12/01/14 14:39 Percent Solids: 94.4

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	φ.	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)									
		0 116	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	KL	WIDE			•		
Analyte Arsenic	0.53		1.8	0.53	mg/Kg	<u></u>	12/01/14 15:22	12/02/14 12:00	1
Arsenic							12/01/14 15:22 12/01/14 15:22	12/02/14 12:00 12/02/14 12:00	1
Arsenic Barium	0.53	U	1.8	0.53 0.27	mg/Kg mg/Kg				1 1 1
Arsenic Barium Cadmium	0.53 4.3	U	1.8	0.53 0.27 0.089	mg/Kg mg/Kg	₽	12/01/14 15:22	12/02/14 12:00	1 1 1
	0.53 4.3 0.089	U	1.8 0.89 0.45	0.53 0.27 0.089	mg/Kg mg/Kg mg/Kg	\$	12/01/14 15:22 12/01/14 15:22	12/02/14 12:00 12/02/14 12:00	1 1 1 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	<u> </u>	12/01/14 15:23	12/02/14 10:50	1

0.89

12/01/14 15:22

12/02/14 12:00

0.085 mg/Kg

0.085 U

QC Sample Results

RL

MDL Unit

D

Prepared

Client: AMEC Environment & Infrastructure, Inc.

Method: 8260B - Volatile Organic Compounds (GC/MS)

Result Qualifier

0.00082 U

0.00062 U

0.00085 U

0.00087 U

0.00058 U

0.0013 U

0.0013 U

0.0012 U

0.0013 U

0.0015 U

0.0011 U

Project/Site: Rheem - Brampton Rd.

Lab Sample ID: MB 680-361094/7

Analysis Batch: 361094

Matrix: Solid

Analyte

Toluene

trans-1,2-Dichloroethene trans-1,3-Dichloropropene

1,2,4-Trichlorobenzene

1,1,1-Trichloroethane

1,1,2-Trichloroethane

Trichlorofluoromethane

1,1,2-Trichloro-1,2,2-trifluoroethane

Trichloroethene

Vinyl chloride

Xylenes, Total

TestAmerica Job ID: 680-107724-2

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyzed

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
- .							

TestAmerica Savannah

12/3/2014

12/01/14 16:21

12/01/14 16:21

12/01/14 16:21

12/01/14 16:21

12/01/14 16:21

12/01/14 16:21

12/01/14 16:21

12/01/14 16:21

12/01/14 16:21

12/01/14 16:21

12/01/14 16:21

Page 11 of 30

0.0049

0.0049

0.0049

0.0049

0.0049

0.0049

0.0049

0.0049

0.0049

0.0049

0.0098

0.00082 mg/Kg

0.00062 mg/Kg

0.00085 mg/Kg

0.00087 mg/Kg

0.00058 mg/Kg

0.0013 mg/Kg

0.0013 mg/Kg

0.0012 mg/Kg

0.0013 mg/Kg

0.0015 mg/Kg

0.0011 mg/Kg

Dil Fac

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)

MR MR

Lab Sample ID: MB 680-361094/7

Matrix: Solid

Analysis Batch: 361094

Client Sample ID: Method Blank

Prep Type: Total/NA

	III D	III D					
Surrogate	%Recovery	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

Spike Added LCS LCS

Result Qualifier

Unit

Lab Sample ID: LCS 680-361094/3

Matrix: Solid

Tetrachloroethene

Toluene

Analyte

Analysis Batch: 361094

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Limits

%Rec

%Rec.

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 0.0486 0.0481 Bromomethane 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 100 10 - 176 mg/Kg Chloroform 0.0486 0.0478 mg/Kg 98 80 - 121 Chloromethane 0.0486 0.0504 104 mg/Kg 48 - 146 cis-1,2-Dichloroethene 0.0486 0.0496 102 80 - 120 mg/Kg cis-1,3-Dichloropropene 0.0486 0.0495 102 74 - 125 mg/Kg 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 92 72 - 129 mg/Kg 75 - 128 1,2-Dichlorobenzene 0.0486 0.0508 mg/Kg 104 1,3-Dichlorobenzene 0.0486 0.0508 104 76 - 128 mg/Kg 0.0486 0.0505 1,4-Dichlorobenzene mg/Kg 104 76 - 128Dichlorodifluoromethane 0.0486 0.0485 72 - 134 mg/Kg 100 1,1-Dichloroethane 0.0486 0.0492 mg/Kg 101 80 - 120 1,2-Dichloroethane 0.0486 0.0469 mg/Kg 96 61 - 140 0.0486 1,1-Dichloroethene 0.0498 102 64 - 138 mg/Kg 1,2-Dichloropropane 0.0486 0.0457 94 73 - 121 mg/Kg 0.0486 0.0517 106 Ethylbenzene 78 _ 121 mg/Kg 2-Hexanone 0.243 0.219 90 60 - 126 mg/Kg 0.0486 0.0538 111 79 - 124 Isopropylbenzene mg/Kg Methyl acetate 0.243 0.229 mg/Kg 94 43 - 135 Methylcyclohexane 0.0486 0.0509 mg/Kg 105 77 - 118 0.0486 0.0467 80 - 120 Methylene Chloride mg/Kg 96 4-Methyl-2-pentanone 0.243 0.225 mg/Kg 93 59 - 127 Methyl tert-butyl ether 0.0486 0.0504 104 80 - 121 mg/Kg Styrene 0.0486 0.0495 mg/Kg 102 78 - 123 1.1.2.2-Tetrachloroethane 0.0486 0.0446 mg/Kg 92 70 - 123

0.0486

0.0486

TestAmerica Savannah

Page 12 of 30

0.0472

0.0471

mg/Kg

mg/Kg

97

97

77 - 130

73 - 122

12/3/2014

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

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

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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-trifluoroetha	0.0486	0.0503		mg/Kg		103	62 _ 141	
ne								
Vinyl chloride	0.0486	0.0488		mg/Kg		100	65 _ 133	
Xylenes, Total	0.0973	0.105		mg/Kg		108	79 - 121	

LCS LCS

Surrogate	%Recovery	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

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
 In the second of the second of									

TestAmerica Savannah

Page 13 of 30

12/3/2014

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

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

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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-trifluoroetha	0.0491	0.0485		mg/Kg		99	62 - 141	4	40
ne									
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

LCSD LCSD

Surrogate	%Recovery	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

	MB	MB							
Analyte	Result	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

Page 14 of 30

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)

MB MB

Lab Sample ID: MB 680-361143/2-A

Matrix: Solid

3-Nitroaniline

4-Nitroaniline

Nitrobenzene

2-Nitrophenol

4-Nitrophenol

N-Nitrosodi-n-propylamine

Analysis Batch: 361381

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 361143

Analyte	Result	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		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		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		mg/Kg		12/01/14 15:54	12/03/14 10:28	1
3 & 4 Methylphenol	0.043	U	0.33		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		1.7		mg/Kg		12/01/14 15:54	12/03/14 10:28	1

TestAmerica Savannah

12/03/14 10:28

12/03/14 10:28

12/03/14 10:28

12/03/14 10:28

12/03/14 10:28

12/03/14 10:28

12/01/14 15:54

12/01/14 15:54

12/01/14 15:54

12/01/14 15:54

12/01/14 15:54

12/01/14 15:54

1.7

1.7

0.33

0.33

1.7

0.33

0.046 mg/Kg

0.049 mg/Kg

0.026 mg/Kg

0.041 mg/Kg

0.33 mg/Kg

0.032 mg/Kg

0.046 U

0.049 U

0.026 U

0.041 U

0.33 U

0.032 U

2

6

0

9

1 1

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

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

	IVID	INID							
Analyte	Result	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

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared Analy	zed Dil Fac
2-Fluorobiphenyl	84		41 - 116	12/01/14 15:54 12/03/14	10:28
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

7 maryolo Zatom co roc.	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier (Jnit	D	%Rec	Limits
Acenaphthene	3.33	2.37	r	ng/Kg		71	47 - 130
Acenaphthylene	3.33	2.75	r	ng/Kg		83	45 - 130
Acetophenone	3.33	2.45	r	ng/Kg		74	44 - 130
Anthracene	3.33	2.88	r	ng/Kg		87	50 - 130
Atrazine	3.33	2.72	r	ng/Kg		82	47 - 130
Benzaldehyde	3.33	0.770	r	ng/Kg		23	10 - 130
Benzo[a]anthracene	3.33	2.84	r	ng/Kg		86	50 - 130
Benzo[a]pyrene	3.33	2.98	r	ng/Kg		90	47 - 131
Benzo[b]fluoranthene	3.33	3.00	r	ng/Kg		90	48 - 130
Benzo[g,h,i]perylene	3.33	3.09	r	ng/Kg		93	42 - 130
Benzo[k]fluoranthene	3.33	3.00	r	ng/Kg		90	48 - 108
1,1'-Biphenyl	3.33	2.70	r	ng/Kg		81	48 - 130
Bis(2-chloroethoxy)methane	3.33	2.57	r	ng/Kg		77	47 - 130
Bis(2-chloroethyl)ether	3.33	2.71	r	ng/Kg		82	37 _ 130
bis (2-chloroisopropyl) ether	3.33	2.23	r	ng/Kg		67	38 - 130
Bis(2-ethylhexyl) phthalate	3.33	2.82	r	ng/Kg		85	48 - 130
4-Bromophenyl phenyl ether	3.33	3.15	r	ng/Kg		95	53 - 130
Butyl benzyl phthalate	3.33	2.79	r	ng/Kg		84	53 - 134
Caprolactam	3.33	2.49	r	ng/Kg		75	44 - 130
Carbazole	3.33	2.86	r	ng/Kg		86	51 ₋ 130
4-Chloroaniline	3.33	2.29	r	ng/Kg		69	10 - 130
4-Chloro-3-methylphenol	3.33	2.85	r	ng/Kg		86	51 - 130
2-Chloronaphthalene	3.33	2.77	r	ng/Kg		83	48 - 130
2-Chlorophenol	3.33	2.48	r	ng/Kg		75	47 - 130
4-Chlorophenyl phenyl ether	3.33	2.89	r	ng/Kg		87	49 - 130
Chrysene	3.33	2.95	r	ng/Kg		89	47 - 130
Dibenz(a,h)anthracene	3.33	3.09	r	ng/Kg		93	44 - 130

TestAmerica Savannah

Page 16 of 30

12/3/2014

Spike

LCS LCS

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

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	Added		Qualifier	Unit	D	%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	
•								

LCS LCS

Surrogate	%Recovery	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

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-107724-6 MS

Matrix: Solid

Client Sample ID: Borrow Pit
Prep Type: Total/NA
Prep Batch: 361143

Analysis Batch: 361381	-									atch: 36114
		Sample	Spike		MS		_	a. –	%Rec.	
Analyte		Qualifier	Added		Qualifier	Unit	— D	%Rec	Limits	
Acenaphthene	0.043		3.51	2.63		mg/Kg		75	58 - 130	
Acenaphthylene	0.038		3.51	3.02		mg/Kg	*	86	58 - 130	
Acetophenone	0.030		3.51	2.73		mg/Kg	☆	78	42 - 130	
Anthracene	0.026		3.51	3.12		mg/Kg	≎	89	60 - 130	
Atrazine	0.024		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		3.51	3.06		mg/Kg	· · · · · · · · · · · · · · · · · · ·	87	62 _ 132	
4-Bromophenyl phenyl ether	0.038		3.51	3.41		mg/Kg	₩	97	65 ₋ 130	
Butyl benzyl phthalate	0.027		3.51	3.05		mg/Kg	₩	87	65 - 134	
Caprolactam	0.070		3.51	2.96		mg/Kg	 \$	84	52 - 130	
Carbazole	0.032		3.51	3.11		mg/Kg	₽	88	60 - 130	
4-Chloroaniline	0.052		3.51	0.870	F1	mg/Kg	₽	25	36 - 130	
	0.037		3.51	2.93				83	52 - 130	
4-Chloro-3-methylphenol						mg/Kg	₽	85	52 - 130 55 ₋ 130	
2-Chloronaphthalene	0.037		3.51	2.98		mg/Kg	φ.			
2-Chlorophenol	0.042		3.51	2.66		mg/Kg		76	51 - 130	
4-Chlorophenyl phenyl ether	0.046		3.51	3.20		mg/Kg		91	61 - 130	
Chrysene	0.022		3.51	3.19		mg/Kg	<u>~</u>	91	62 - 130	
Dibenz(a,h)anthracene	0.041		3.51	3.31		mg/Kg		94	56 - 130	
Dibenzofuran	0.035		3.51	3.13		mg/Kg	*	89	56 - 130	
3,3'-Dichlorobenzidine	0.030		3.51	1.14	F1	mg/Kg	*	33	45 _ 130	
2,4-Dichlorophenol	0.037		3.51	3.07		mg/Kg	<u>.</u> .	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		3.51	2.90		mg/Kg		83	47 - 130	
Hexachlorocyclopentadiene	0.043		3.51	3.11		mg/Kg	₩	89	35 - 130	
Hexachloroethane	0.030		3.51	2.56		mg/Kg	₽	73	44 - 130	
Indeno[1,2,3-cd]pyrene	0.030		3.51	3.36		mg/Kg		95	52 ₋ 130	
Isophorone	0.035		3.51	2.77		mg/Kg	₽	79	48 - 130	
190h1101011E	0.035	5	3.31	2.11		my/Ny	~	19	40 - 130	

TestAmerica Savannah

12/3/2014

Page 18 of 30

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

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**

-	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	JF1	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

MS MS

Surrogate	%Recovery	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

,	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	Ü	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

Page 19 of 30

12/3/2014

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-107724-6 MSD

Matrix: Solid

Client Sample ID: Borrow Pit Prep Type: Total/NA

Analysis Batch: 361381										Batch: 3	
Analyte	•	Sample Qualifier	Spike Added	MSD	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	0.027	U	3.52	2.33	Qualifier	mg/Kg	— 	66	65 ₋ 134	26	50
Caprolactam	0.070		3.52	2.27		mg/Kg		64	52 - 130	26	50
Carbazole	0.070		3.52	2.33		mg/Kg	₽	66	60 - 130	29	50
4-Chloroaniline	0.052		3.52	0.689	J F1			20	36 - 130	23	50
				2.29	JFI	mg/Kg		65		24	50
4-Chloro-3-methylphenol	0.037		3.52			mg/Kg	~ ⇔		52 ₋ 130		
2-Chloronaphthalene	0.037		3.52	2.35		mg/Kg	~ \$	67	55 - 130	24	50
2-Chlorophenol	0.042		3.52	2.13		mg/Kg		60	51 - 130	22	50
4-Chlorophenyl phenyl ether	0.046		3.52	2.49		mg/Kg	₩	71	61 - 130	25	50
Chrysene	0.022		3.52	2.47		mg/Kg	*	70	62 - 130	26	50
Dibenz(a,h)anthracene	0.041		3.52	2.51		mg/Kg		71	56 - 130	27	50
Dibenzofuran	0.035		3.52	2.39		mg/Kg	\$	68	56 - 130	27	50
3,3'-Dichlorobenzidine	0.030		3.52	0.896	F1	mg/Kg	₩.	25	45 - 130	24	50
2,4-Dichlorophenol	0.037		3.52	2.41		mg/Kg	<u>.</u> .	68	53 _ 130	24	50
Diethyl phthalate	0.039		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	Φ.	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		3.52	2.34		mg/Kg		66	52 - 130	28	50
3-Nitroaniline	0.049		3.52	1.15	JF1	mg/Kg	₽	33	42 - 130	13	50
4-Nitroaniline	0.052		3.52	1.86		mg/Kg	₽	53	49 - 130	29	50
Nitrobenzene	0.027		3.52	2.13		mg/Kg		60	43 - 130	22	50
2-Nitrophenol	0.043		3.52	2.45		mg/Kg	₽	70	45 - 130	24	50
4-Nitrophenol	0.35		7.05	4.74		mg/Kg	₽	67	30 - 130	24	50
N-Nitrosodi-n-propylamine	0.034		3.52	1.98		mg/Kg		56	48 - 130	23	50
N-Nitrosodiphenylamine	0.034		3.52	2.26		mg/Kg	₽	64	62 ₋ 130	30	50
Pentachlorophenol	0.35		7.05	2.82		mg/Kg	₽	40	38 - 131	39	50
Phenanthrene	0.028		3.52	2.33					61 - 130	29	50
						mg/Kg	~ ⇔	66 57	46 - 130		
Phenol	0.036		3.52	1.99		mg/Kg		57 60		21	50
Pyrene	0.028		3.52	2.41		mg/Kg	X	68	59 - 130	24	50
2,4,5-Trichlorophenol	0.037	U	3.52	2.45		mg/Kg	₽	69	60 - 130	25	50

TestAmerica Savannah

12/3/2014

Page 20 of 30

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

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

	MSD	IVISI
gate	%Recovery	Qua

Surrogate	%Recovery	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

Analysis Batch: 361275								Prep Batch:	361059
		МВ							
Analyte		Qualifier	RL _		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
	MB	MB							

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 54 - 133 12/01/14 12:16 12/02/14 15:36 DCB Decachlorobiphenyl 100 Tetrachloro-m-xylene 92 46 - 130 12/01/14 12:16 12/02/14 15:36

TestAmerica Savannah

12/3/2014

Page 21 of 30

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas **Chromatography (Continued)**

Lab Sample ID: LCS 680-361059/10-A **Client Sample ID: Lab Control Sample Matrix: Solid**

Analysis Batch: 361275

Prep Type: Total/NA **Prep Batch: 361059**

	Spike	LCS I	LCS				%Rec.	
Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits	
Aldrin	0.00667	0.00649	i	mg/Kg		97	44 - 130	
alpha-BHC	0.00667	0.00643	1	mg/Kg		96	42 - 130	
beta-BHC	0.00667	0.00663	1	mg/Kg		99	48 - 131	
4,4'-DDD	0.00667	0.00687		mg/Kg		103	46 - 135	
4,4'-DDE	0.00667	0.00687	1	mg/Kg		103	45 - 130	
4,4'-DDT	0.00667	0.00732	1	mg/Kg		110	45 - 144	
delta-BHC	0.00667	0.00680		mg/Kg		102	49 - 130	
Dieldrin	0.00667	0.00652	1	mg/Kg		98	47 _ 130	
Endosulfan I	0.00667	0.00628	ı	mg/Kg		94	40 - 130	
Endosulfan II	0.00667	0.00654		mg/Kg		98	45 - 130	
Endosulfan sulfate	0.00667	0.00674	ı	mg/Kg		101	50 - 142	
Endrin	0.00667	0.00742	1	mg/Kg		111	46 - 155	
Endrin aldehyde	0.00667	0.00770		mg/Kg		115	41 - 135	
Endrin ketone	0.00667	0.00619	ı	mg/Kg		93	43 - 153	
gamma-BHC (Lindane)	0.00667	0.00663	1	mg/Kg		99	45 - 130	
Heptachlor	0.00667	0.00706		mg/Kg		106	46 - 130	
Heptachlor epoxide	0.00667	0.00658	ı	mg/Kg		99	48 - 130	
Methoxychlor	0.00667	0.00756	1	mg/Kg		113	43 - 166	

LCS LCS

Surrogate	%Recovery Qualifie	r 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 %Rec.

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
PCB-1016	 	0.667	0.636		mg/Kg		95	43 - 130	
PCB-1260		0.667	0.657		mg/Kg		99	45 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits DCB Decachlorobiphenyl 54 - 133 99 88 Tetrachloro-m-xylene 46 - 130

Lab Sample ID: 680-107724-6 MS **Client Sample ID: Borrow Pit**

Matrix: Solid

Analysis Batch: 361275

Prep Type: Total/NA **Prep Batch: 361059**

		Sample	Sample	Spike	MS	MS				%Rec.	
Analy	te	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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-l	BHC	0.00035	U	0.00703	0.00728		mg/Kg	₩	104	48 - 131	
4,4'-D	DD	0.00019	U	0.00703	0.00738		mg/Kg	₩	105	46 - 135	
4,4'-D	DE	0.00019	U	0.00703	0.00755		mg/Kg	₩	107	45 - 130	
4,4'-D	DT	0.00023	U	0.00703	0.00805		mg/Kg	₩	115	45 - 144	

TestAmerica Savannah

Page 22 of 30

12/3/2014

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

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

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
delta-BHC	0.00020	U	0.00703	0.00736		mg/Kg	<u></u>	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	
	MC	MC								

MS MS

Sample Sample

0.00023 U

0.00023 U

0.00021 U

0.00015 U

0.00020 U

0.00017 U

0.00030 U

97

Surrogate	%Recovery (Qualifier	Limits
DCB Decachlorobiphenyl	94		54 - 133
Tetrachloro-m-xylene	89		46 - 130

Lab Sample ID: 680-107724-6 MSD

Matrix: Solid

Endrin

Endrin aldehyde

gamma-BHC (Lindane)

Heptachlor epoxide

Tetrachloro-m-xylene

Endrin ketone

Heptachlor

Methoxychlor

Analysis Batch: 361275

Client Sample ID: Borrow Pit Prep Type: Total/NA

%Rec.

46 - 155

41 - 135

43 _ 153

45 - 130

46 - 130

48 - 130

43 - 166

115

112

96

106

114

102

118

Ö

₽

77

. .

₩

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Prep Batch: 361059

RPD

50

50

50

50

50

50

50

RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Limit $\overline{\Box}$ Aldrin 0.00016 U 103 0.00705 0.00725 mg/Kg 44 _ 130 5 50 Ü alpha-BHC 0.00015 U 0.00705 0.00728 103 42 - 130 50 mg/Kg ₽ 106 beta-BHC 0.00035 U 0.00705 0.00751 48 - 131 50 mg/Kg 3 Ä 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 0.00705 ₩ 4,4'-DDT 0.00023 U 0.00829 mg/Kg 118 45 - 144 3 50 delta-BHC 0.00020 U 0.00705 0.00771 ₩ 109 49 - 130 50 mg/Kg ₩ Dieldrin 0.00018 U 0.00705 0.00717 mg/Kg 102 47 - 130 50 Ü Endosulfan I 0.00018 U 0.00705 0.00670 mg/Kg 95 40 - 130 50 \$ 0.00705 Endosulfan II 0.00016 U 101 45 - 130 50 0.00711 mg/Kg 77 102 Endosulfan sulfate 0.00022 U 0.00705 0.00719 mg/Kg 50 - 142 50

0.00809

0.00791

0.00675

0.00746

0.00802

0.00722

0.00831

MSD MSD

Spike

0.00705

0.00705

0.00705

0.00705

0.00705

0.00705

0.00705

46 - 130

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	99		54 - 133

Page 23 of 30

TestAmerica Savannah

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-361141/1-A

Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA **Prep Batch: 361141** Analysis Batch: 361282

	IVID	IVID							
Analyte	Result	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 **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 361282							Prep Ba	tch: 361141
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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 Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA

Analysis Batch: 361277

MB MB Result Qualifier Dil Fac Analyte RL MDL Unit Prepared Analyzed

Mercury 0.0072 U 0.018 0.0072 mg/Kg 12/01/14 15:23 12/02/14 10:23

Lab Sample ID: LCS 680-361142/14-A Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA

Analysis Batch: 361277

Spike LCS LCS %Rec.

Analyte Added Result Qualifier Unit %Rec Limits Mercury 0.227 0.232 mg/Kg 102 80 - 120

Prep Batch: 361142

Prep Batch: 361142

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

Page 25 of 30

QC Association Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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	S 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 680-361142/1	3-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	

TestAmerica Savannah

2

6

8

9

10

11

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: Borrow Pit

Date Collected: 12/01/14 13:18

Date Received: 12/01/14 14:39

TestAmerica Job ID: 680-107724-2

Lab Sample ID: 680-107724-6

Matrix: Solid

Percent Solids: 94.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrum	ent 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
	Instrum	ent 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
	Instrum	ent 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
	Instrum	ent 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
	Instrum	ent ID: LEEMAN2								
Total/NA	Analysis	Moisture		1			361149	12/01/14 16:13	MDK	TAL SAV
	Instrum	ent ID: NOEQUIP								

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

12/3/2014

3

5

b

a

10

11

ga ga kemadah emendes semanan anasa s		**************************************	4		1	.	and Philippins of Assessed		Œ							 niyasekerinskereke	***************************************			***************************************	W. (1865) p. 1964					(1008)
nc.com			LO	(EPORT	<u> </u>	REPORT	/	E 70 Mary	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	REMARKS								1		-		TIME	TIME			TALB240-680 (1008)
Website: www.testamericainc.com Phone: (912) 354-7858 Fax: (910) 352-0165	2010-3		PAGE	STANDARD REPORT DELIVERY	DATE DUE	EXPEDITED REPORT	(SURCHARGE)	DATE DUE	NUMBER OF (DATE	DATE			
Website: www.testamer Phone: (912) 354-7858 Eay: (912) 359-0165	ax. (315) 33	Phone: Fax:								TED												RELINQUISHED BY: (SIGNATURE)	f. (SIGNATURE)	PATRIC CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONT	Z Z	
	ne/Location		REQUIRED ANALYSIS	W)E	<i>50 Q</i>	5772	. ,			NUMBER OF CONTAINERS SUBMITTED	2											RELINQUISHE	RECEIVED BY: (SIGNATURE)	THE CONTROL OF THE CO	LABORATORY REMARKS 4.8/45°	
TestAmerica Savannah 5102 LaRoche Avenue Savannah GA 31404	aboratory Nar			70/0	290 951			12d 12d		NUMBER OF	1								:			TIME	TIME			
· N	Atternate Laboratory Name/Location				0) z 898	3.5	⁵ つ(_	7											DATE	DATE	ONLY	SAVANNAH LOG NO. kflo-loff-19	
ECORD)	MATRIX TYPE				O	TER) IISOLII	AW) SUG AW) SUG MES HO	AIR SOLID AQUEC	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7			-							ATURE)		LABORATORY USE ONLY	CUSTODY SEAL NO.	
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD			PROJECT LOCATION (STATE)	CONTRACT NO.	CLIENT FAX	STATE CO		ħ	No.													RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)		CUSTODY INTACT YES NO O	NAMES NA VERNANZA ZA NAMES NA VERNANZA
T AND CHA			.0. 2.25 2.25	EB	CLIENT PHONE	IAIL CAUCK.	Paul GAZZO @ AMEC. Com			SAMPLE IDENTIFICATION												TIME /42%	TIME		TIME 74743	
SS AEGUES (J	FAL TESTING	PROJECT NO.	P.O. NUMBER	CLIENT PH	CLIENT E-N	Davi.		applicable)	SAN	4.0	1										DATE 12111W	ا	THE THE PARTY OF T	7 7 7 7	The state of the s
ANALY	D	VIRONMENT	1	EB.					THIS WORK (IF			\$ 50 M										JRE)		-very liver was the state of th	BEBY:	
		THE LEADER IN ENVIRONMENTAL TESTING	PROJECT REFERENCE	TAL (LAB) PROJECT MANAGER	CLIENT (SITE) PM	CLIENT NAME	ファマア	CLIENT ADDRESS	COMPANY CONTRACTING THIS WORK (if applicable)	SAMPLE DATE TIME	13											RETNOUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	A STATE OF THE STA	PLOS RECEIVED FOR LABORATORY BY	
	-	<u> </u>	PRO.	TAL	CLIE	CLE		CLE	COM			40	28 c	of 30)			<u>, , , , , , , , , , , , , , , , , , , </u>					RECE	12/	3/2014	5

Serial Number 90967

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

oreator. Conner, Reaton		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

2

4

5

9

10

11

Certification Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

6

4

5

7

9

10

11



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: 680-107730-1

Client Project/Site: Rheem - Brampton Rd.

Revision: 1

For:

AMEC Foster Wheeler E & I, Inc. 2677 Buford Highway Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by: 3/17/2015 4:47:48 PM

Lisa Harvey, Project Manager II (912)354-7858 e.3221

lisa.harvey@testamericainc.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

2

4

__

9

10

11

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

3

Δ

5

6

6

9

10

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

ND PQL

QC RER

RL

RPD

TEF TEQ

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								

Not detected at the reporting limit (or MDL or EDL if shown)

Relative Percent Difference, a measure of the relative difference between two points

Reporting Limit or Requested Limit (Radiochemistry)

Practical Quantitation Limit

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Quality Control

Relative error ratio

Sample Summary

Matrix

Solid

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

Client Sample ID

B-BM-1

B-SW-1

B-SW-2

B-SW-3

B-SW-4

C-SW-1

C-SW-10

C-SW-6

C-SW-7

C-SW-8

C-SW-9

C-SW-2

C-SW-3

C-SW-4

C-SW-5

C-BM-1

C-BM-2

C-BM-3

C-BM-4

Lab Sample ID

680-107730-1

680-107730-2

680-107730-3

680-107730-4

680-107730-5

680-107730-6

680-107730-7

680-107730-8

680-107730-9

680-107730-10

680-107730-11

680-107730-12

680-107730-13

680-107730-14

680-107730-15

680-107730-16

680-107730-17

680-107730-18

680-107730-19

TestAmerica Job ID: 680-107730-1

Collected	Received
12/01/14 14:09	12/02/14 07:38
12/01/14 14:11	12/02/14 07:38
12/01/14 14:14	12/02/14 07:38
12/01/14 14:16	12/02/14 07:38
12/01/14 14:19	12/02/14 07:38
12/01/14 16:30	12/02/14 07:38
12/01/14 16:55	12/02/14 07:38
12/01/14 17:05	12/02/14 07:38
12/01/14 17:07	12/02/14 07:38
12/01/14 17:10	12/02/14 07:38
12/01/14 17:12	12/02/14 07:38
12/01/14 17:13	12/02/14 07:38
12/01/14 17:14	12/02/14 07:3
12/01/14 17:15	12/02/14 07:3
12/01/14 17:17	12/02/14 07:3

12/01/14 17:19

12/01/14 17:22

12/01/14 17:25

12/01/14 17:27

12/02/14 07:38

12/02/14 07:38

12/02/14 07:38

12/02/14 07:38

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

Client Sample ID: B-BM-1

TestAmerica Job ID: 680-107730-1

Lab Sample ID: 680-107730-1

Matrix: Solid

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 Qualif	fier 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

9

10

11

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

Client Sample ID: B-SW-1

Date Collected: 12/01/14 14:11

Lead

TestAmerica Job ID: 680-107730-1

Lab Sample ID: 680-107730-2

₩

12/02/14 08:41

0.57 mg/Kg

Matrix: Solid

12/02/14 19:14

Percent Solids: 88.8

Date Received: 12/02/14 07:38 Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac

1.1

10

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

TestAmerica Job ID: 680-107730-1

Percent Solids: 91.0

Client Sample ID: B-SW-2	Lab Sample ID: 680-107730-3
Date Collected: 12/01/14 14:14	Matrix: Solid
Data Bassiyad: 12/02/14 07:29	Porcent Solids: 94.0

Date Received: 12/02/14 07:38

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8		0.96	0.51	mg/Kg	<u> </u>	12/02/14 08:41	12/02/14 19:18	1

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: B-SW-3 Lab Sample ID: 680-107730-4

Date Collected: 12/01/14 14:16 Matrix: Solid

Date Received: 12/02/14 07:38 Percent Solids: 89.9

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

Λ

5

9

4 4

11

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

Client Sample ID: B-SW-4

TestAmerica Job ID: 680-107730-1

Lab Sample ID: 680-107730-5

Matrix: Solid

Percent Solids: 88.0

Date Collected: 12/01/14 14:19 Date Received: 12/02/14 07:38

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		1.1	0.58	mg/Kg	<u></u>	12/02/14 08:41	12/02/14 19:37	1

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-1 Lab Sample ID: 680-107730-6

Date Collected: 12/01/14 16:30 Matrix: Solid Date Received: 12/02/14 07:38

Percent Solids: 88.8

Method: 6010C - Metals (ICP)										
Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Lead	830		1.0	0.53	mg/Kg		E .	12/02/14 08:41	12/02/14 19:41	1

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

Client Sample ID: C-SW-10

Date Collected: 12/01/14 16:55

Analyte

TestAmerica Job ID: 680-107730-1

Lab Sample ID: 680-107730-7

Matrix: Solid

Analyzed

Percent Solids: 83.1

Date Received: 12/02/14 07:38 Method: 6010C - Metals (ICP)

RL

MDL Unit

D

Prepared

₩ Lead 260 1.2 0.63 mg/Kg 12/02/14 08:41 12/02/14 19:46

Result Qualifier

Dil Fac

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

Client Sample ID: C-SW-7

TestAmerica Job ID: 680-107730-1

Lab Sample ID: 680-107730-9

Matrix: Solid

Date Collected: 12/01/14 17:07 Date Received: 12/02/14 07:38 Percent Solids: 94.3

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		0.94	0.50	mg/Kg	₽	12/02/14 08:41	12/02/14 19:55	1

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-8 Lab Sample ID: 680-107730-10

Date Collected: 12/01/14 17:10 Matrix: Solid

Date Received: 12/02/14 07:38 Percent Solids: 86.2

Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac ₩ Lead 93 1.1 0.56 mg/Kg 12/02/14 08:41 12/02/14 20:00

6

7

9

10

11

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-9 Lab Sample ID: 680-107730-11

Date Collected: 12/01/14 17:12 Matrix: Solid

Date Received: 12/02/14 07:38 Percent Solids: 83.5

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

3

F

6

0

9

10

11

TestAmerica Savannah

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-2 Lab Sample ID: 680-107730-12 Date Collected: 12/01/14 17:13

Matrix: Solid

Date Received: 12/02/14 07:38 Percent Solids: 88.7

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

TestAmerica Savannah

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

Lab Sample ID: 680-107730-13 Matrix: Solid

Date Received: 12/02/14 07:38 Percent Solids: 91.5

Method: 6010C - Metals (ICP)

 Analyte
 Result Lead
 Qualifier
 RL 0.94
 MDL 0.50
 Unit mg/Kg
 D mg/Kg
 Prepared 12/02/14 08:41
 Analyzed 12/02/14 20:13
 Dil Fac 12/02/14 08:41

6

6

Ω

9

4 4

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-SW-4 Lab Sample ID: 680-107730-14

Date Collected: 12/01/14 17:15 Matrix: Solid

Date Received: 12/02/14 07:38 Percent Solids: 93.7

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

Л

5

6

Я

9

11

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

Client Sample ID: C-SW-5

Date Collected: 12/01/14 17:17

Date Received: 12/02/14 07:38

Lead

TestAmerica Job ID: 680-107730-1

Lab Sample ID: 680-107730-15

12/02/14 08:41

₩

0.53 mg/Kg

Matrix: Solid

12/02/14 20:32

Percent Solids: 85.5

Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac

0.99

190

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-BM-1 Lab Sample ID: 680-107730-16 Date Collected: 12/01/14 17:19

Matrix: Solid

Date Received: 12/02/14 07:38 Percent Solids: 84.7

Method: 6010C - Metals (ICP)								
Analyte	Result Qualifi	ier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	250	1.0	0.54	mg/Kg	₩	12/02/14 08:41	12/02/14 20:36	1

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-BM-2 Lab Sample ID: 680-107730-17

Date Collected: 12/01/14 17:22 Matrix: Solid Date Received: 12/02/14 07:38

Percent Solids: 93.6

Method: 6010C - Metals (ICP)							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Lead	120	1.1	0.56 mg/Kg	-	12/02/14 08:41	12/02/14 20:41	1

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-BM-3 Lab Sample ID: 680-107730-18

Date Collected: 12/01/14 17:25

Matrix: Solid
Percent Solids 24 27:29

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
l ead	20		1.0	0.53	ma/Ka		12/02/14 08:41	12/02/14 20:46	1

4

5

6

0

9

10

11

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

3

4

5

9

4 4

11

QC Sample Results

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: Method Blank

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-361205/1-A

Lab Sample ID: LCS 680-361205/2-A

Matrix: Solid

Analysis Batch: 361389

Prep Type: Total/NA

Prep Batch: 361205

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte 0.94 0.50 mg/Kg 12/02/14 08:41 12/02/14 18:42 Lead 0.50 U

> **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

> > 75 _ 125

Matrix: Solid

Analysis Batch: 361389

Prep Batch: 361205 Spike LCS LCS Added Result Qualifier Unit D %Rec Limits 49.0 49.3 mg/Kg 101 80 - 120

mg/Kg

Ü

101

Lab Sample ID: 680-107730-1 MS Client Sample ID: B-BM-1 Prep Type: Total/NA

59.6

Matrix: Solid

Analyte

Lead

Lead

Analysis Batch: 361389

Prep Batch: 361205 Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Unit D %Rec Limits

54.9

мв мв

3.9

Lab Sample ID: 680-107730-1 MSD Client Sample ID: B-BM-1 **Matrix: Solid** Prep Type: Total/NA Prep Batch: 361205

Analysis Batch: 361389

RPD Sample Sample Spike MSD MSD %Rec. Analyte Result Qualifier Added Result Qualifier %Rec Limits Limit Unit 3.9 54.9 58.7 100 20 Lead mg/Kg 75 - 125

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 Batc
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

Page 26 of 36

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	

4

5

_

8

9

10

11

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

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

Percent Solids: 87.6

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrum	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrum	ent ID: NOEQUIP								

Lab Sample ID: 680-107730-2 Client Sample ID: B-SW-1

Date Collected: 12/01/14 14:11 **Matrix: Solid** Date Received: 12/02/14 07:38 Percent Solids: 88.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrum	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrum	ent ID: NOEQUIP								

Client Sample ID: B-SW-2 Lab Sample ID: 680-107730-3 Date Collected: 12/01/14 14:14 **Matrix: Solid**

Date Received: 12/02/14 07:38 Percent Solids: 91.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.14 g	100 mL	361389	12/02/14 19:18	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Client Sample ID: B-SW-3 Lab Sample ID: 680-107730-4 Date Collected: 12/01/14 14:16 **Matrix: Solid**

Date Received: 12/02/14 07:38 Percent Solids: 89.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.01 g	100 mL	361389	12/02/14 19:23	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

TestAmerica Savannah

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

Lab Sample ID: 680-107730-5

Matrix: Solid

Percent Solids: 88.0

Client Sample ID: B-SW-4

Date Collected: 12/01/14 14:19

Date Received: 12/02/14 07:38

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.03 g	100 mL	361389	12/02/14 19:37	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Client Sample ID: C-SW-1

Date Collected: 12/01/14 16:30

Lab Sample ID: 680-107730-6

Matrix: Solid

Date Received: 12/02/14 07:38 Percent Solids: 88.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.12 g	100 mL	361389	12/02/14 19:41	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Client Sample ID: C-SW-10 Lab Sample ID: 680-107730-7

Date Collected: 12/01/14 16:55

Date Received: 12/02/14 07:38

Matrix: Solid
Percent Solids: 83.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.01 g	100 mL	361389	12/02/14 19:46	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Client Sample ID: C-SW-6 Lab Sample ID: 680-107730-8

Date Collected: 12/01/14 17:05

Date Received: 12/02/14 07:38

Matrix: Solid
Percent Solids: 80.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.05 g	100 mL	361389	12/02/14 19:50	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

TestAmerica Savannah

5

7

q

10

111

. . .

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

Lab Sample ID: 680-107730-9

Matrix: Solid

Percent Solids: 94.3

Client Sample ID: C-SW-7 Date Collected: 12/01/14 17:07 Date Received: 12/02/14 07:38

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.13 g	100 mL	361389	12/02/14 19:55	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Lab Sample ID: 680-107730-10

Client Sample ID: C-SW-8 Date Collected: 12/01/14 17:10 **Matrix: Solid**

Date Received: 12/02/14 07:38 Percent Solids: 86.2

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.10 g	100 mL	361389	12/02/14 20:00	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Client Sample ID: C-SW-9 Lab Sample ID: 680-107730-11

Date Collected: 12/01/14 17:12 **Matrix: Solid** Date Received: 12/02/14 07:38 Percent Solids: 83.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrume	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			361211	12/02/14 09:20	MDK	TAL SAV
	Instrume	ent ID: NOEQUIP								

Client Sample ID: C-SW-2 Lab Sample ID: 680-107730-12

Date Collected: 12/01/14 17:13 **Matrix: Solid** Date Received: 12/02/14 07:38 Percent Solids: 88.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.06 g	100 mL	361389	12/02/14 20:09	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

TestAmerica Savannah

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

Client Sample ID: C-SW-4

Lab Sample ID: 680-107730-13

Matrix: Solid

Percent Solids: 91.5

Client Sample ID: C-SW-3 Date Collected: 12/01/14 17:14 Date Received: 12/02/14 07:38

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.16 g	100 mL	361389	12/02/14 20:13	ВСВ	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Lab Sample ID: 680-107730-14

Date Collected: 12/01/14 17:15 Matrix: Solid Date Received: 12/02/14 07:38 Percent Solids: 93.7

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.00 g	100 mL	361389	12/02/14 20:18	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.18 g	100 mL	361389	12/02/14 20:32	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Client Sample ID: C-BM-1 Lab Sample ID: 680-107730-16

Date Collected: 12/01/14 17:19 **Matrix: Solid** Date Received: 12/02/14 07:38 Percent Solids: 84.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.15 g	100 mL	361389	12/02/14 20:36	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

TestAmerica Savannah

3/17/2015

Lab Chronicle

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

TestAmerica Job ID: 680-107730-1

Client Sample ID: C-BM-2

Lab Sample ID: 680-107730-17

Matrix: Solid

Date Collected: 12/01/14 17:22 Date Received: 12/02/14 07:38

Client Sample ID: C-BM-3

Percent Solids: 93.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.01 g	100 mL	361389	12/02/14 20:41	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Lab Sample ID: 680-107730-18

Matrix: Solid

Date Collected: 12/01/14 17:25 Date Received: 12/02/14 07:38 Percent Solids: 91.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.10 g	100 mL	361389	12/02/14 20:46	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.07 g	100 mL	361389	12/02/14 20:50	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361211	12/02/14 09:20	MDK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

•					ľ
				é	
				À	

	to a constant				,	
	· ·	•				
	OCCUPATION OF				Ę	
	ı					
2000						
					8	
			Ī			
	W-100 W-100					
			ı			
	Nava Anna			,	1	

Website: www.testamericainc.com Phone: (912) 354-7858	Fax: (912) 352-0165			PAGE OF	STANDARD REPORT DELIVERY	DATE DUE	EXPEDITED REPORT DELIVERY (SURCHARGE) 2 4 M. S.	4	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	REMARKS	Additional email.	Paul GAILTO & AMECICA											RE) DATE TIME	DATE TIME				TAL8240-680 (1008)
to the state of th		Alternate Laboratory Name/Location Phone:	Fax:	REQUIRED ANALYSIS						NUMBER OF CONTAINERS SUBMITTED											1		TIME RELINQUISHED BY: (SIGNATURE)	TIME RECEIVED BY: (SIGNATURE)	NA ELO MATRIA DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DEL COMPANIA DEL COMPANIA DE LA COMPANIA	LABORATORY REMARKS	101/30 14:0	The state of the s
TestAmerica Savannah 5102 LaRoche Avenue	Savannah, GA 31404	Alternate Labora		RIX 3E	(···;		<i>bs f-</i> 0 <i>(</i> 010' si	רוסחוו		ЯІА ЭАИОИ	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7						7	7	7)	-	DATE	DATE	LABORATORY USE ONLY	Y SAVANNAH (L & D -		H/20/21
RECORD				MATRIX TYPE	31	INDICA	(G),avu:	(H3T) DSITE (O AW) BUC MBS AO	BUDA	9)	<i></i>	is.	l.	. A.	. J	j.	7	7	7	\ \``_	BNATURE)	HE)	LABORATC	CUSTODY SEAL NO.		
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD				PROJECT LOCATION (STATE) <	CONTRACT NO.	CLIENT FAX	CLIENTE-MAIL Paul, GAZZO GI C. J. WW. J. CO.	\$0:5H	The second secon	NO													RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)		CUSTODY INTACT	NO ON	20/2720744200444004400400000000000000000
E CE				27.0		130	Paul G	4		SAMPLE IDENTIFICATION													TIME	TIME	TANAN	TIME	₹ \$?	CONTRACTOR OF THE PROPERTY OF
LYSIS REQUEST			THE LEADER IN ENVIRONMENTAL TESTING	PROJECT NO.	P.O. NUMBER	CLIENT PHONE	CHOUSE, FOREY & AME. CON	**************************************	COMPANY CONTRACTING THIS WORK (if applicable)	SAMPLE	- 8 M - L			5 w 5	8- 5w -4	C-5w-1	0/-35-	3-35-5	1.56.7	× E - S	Š	3	TE					Name of the last o
ANA			NVIRONME	John R.L.	4GER				G THIS WORK	<u></u>	Ö	æ	d)	©			U		2	Ů O	7	Ú	(TURE)		ALIAN KATALAN KATAN KATA	ORIV BY:	o meninana	The state of the s
	4		DER IN E	JECT REFERENCE	OJECT MAN	SNT (SITE) PM	NAME 	RESS	ONTRACTIN	SAMPLE	140%	10 mm	h 1 h 1	1416	1419	1630	1635	1705	1201	0121			D BY: (SIGNA	(: (SIGNATURE)	- IANAMANANANANANANANANANANANANANANANANANA	FOR LABORATORY BY:	S	
SWEETING HE STATE OF THE STATE	1		THE LEA	PROJECT REFERENCE	TAL (LAB) PROJECT MANAGER	CLIENT (SITE) PM	CLIENT NAME	CLIENT ADDRESS	COMPANY C	SA	Pag	ge 3	3 of	36	12/11/2	12/1/4	12/1/14	12/11/27	12/1/14	121114	71114	12/1/14	RELIMQUISHED BY. 49IGNATURE)	RECEIVED BY: (SIGNATURE)	3/17	RECEIVED FO	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	THE REAL PROPERTY AND THE PROPERTY OF THE PROP

Serial Number 90959

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

Creator: Conner, Keaton		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica Savannah

4

6

9

11

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

2

4

5

Ω

9

10

1



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-107741-1

Client Project/Site: Rheem - Brampton Rd.

For:

AMEC Environment & Infrastructure, Inc. 2677 Buford Highway Atlanta, Georgia 30324

Attn: Chuck Ferry

Subal Horay

Authorized for release by: 12/3/2014 2:47:43 PM

Lisa Harvey, Project Manager II (912)354-7858 e.3221

lisa.harvey@testamericainc.com

..... LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

6

4

5

6

9

10

TestAmerica Savannah 12/3/2014

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

4

6

9

10

11

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.

Not detected at the reporting limit (or MDL or EDL if shown)

Relative Percent Difference, a measure of the relative difference between two points

Reporting Limit or Requested Limit (Radiochemistry)

Practical Quantitation Limit

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Quality Control

Relative error ratio

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

ND PQL

QC RER

RL

RPD

TEF

TEQ

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

TestAmerica Savannah

Sample Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

3

4

5

10

11

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

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

Client Sample ID: E-SW-1

Date Collected: 12/02/14 10:16

Date Received: 12/02/14 11:14

TestAmerica Job ID: 680-107741-1

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

5

6

8

9

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107741-1

Client Sample ID: E-SW-2 Lab Sample ID: 680-107741-3

Date Collected: 12/02/14 10:19 Matrix: Solid

Date Received: 12/02/14 11:14 Percent Solids: 82.6

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1100		1.1	0.59	mg/Kg	<u> </u>	12/02/14 12:00	12/02/14 21:41	1

5

6

0

9

11

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: E-SW-3

Date Collected: 12/02/14 10:21

Date Received: 12/02/14 11:14

TestAmerica Job ID: 680-107741-1

Lab Sample ID: 680-107741-4

Matrix: Solid

Percent Solids: 83.2

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	910		1.1	0.58	mg/Kg		12/02/14 12:00	12/02/14 21:45	1

4

6

_

9

10

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

Client Sample ID: E-SW-4

Date Collected: 12/02/14 10:24

Date Received: 12/02/14 11:14

TestAmerica Job ID: 680-107741-1

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

5

6

8

46

11

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Method: 6010C - Metals (ICP)

Lead

TestAmerica Job ID: 680-107741-1

₩

101

75 - 125

mg/Kg

Lab Sample ID: MB 680-361247/1-A Matrix: Solid											Client		e: Total/NA
Analysis Batch: 361389	MR	МВ										Prep Bat	ch: 361247
Analyte		Qualifier		RL		MDL	Unit		D	Р	repared	Analyzed	Dil Fac
Lead	0.52			0.98		0.52	mg/Kg				2/14 12:0		
Lab Sample ID: LCS 680-361247/2-A									CI	ient	Sample	e ID: Lab Cont	rol Sample
Matrix: Solid											•		e: Total/NA
Analysis Batch: 361389												Prep Bat	ch: 361247
			Spike		LCS	LCS						%Rec.	
Analyte			Added		Result	Qual	lifier	Unit		D	%Rec	Limits	
Lead			47.6		48.1			mg/Kg		_	101	80 - 120	
Lab Sample ID: 680-107741-1 MS												Client Sample	ID: E-BM-1
Matrix: Solid												Prep Type	e: Total/NA
Analysis Batch: 361389												Prep Bat	ch: 361247
San	nple San	nple	Spike		MS	MS						%Rec.	
Analyte Re	sult Qua	lifier	Added		Result	Qual	lifier	Unit		D	%Rec	Limits	

Lab Sample ID: 680-107741-1 MSI Matrix: Solid Analysis Batch: 361389)							(•	ple ID: E Type: Tot Batch: 3	tal/NA
	•	Sample	Spike		MSD	l lmi4		0/ D oo	%Rec.		RPD
Analyte Lead	5.7	Qualifier	Added 52.8	60.8	Qualifier	- Unit mg/Kg	— ¤	%Rec 104	75 ₋ 125	— RPD 3	Limit 20

59.1

52.8

5.7

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	

TestAmerica Savannah

2

6

R

9

10

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.09 g	100 mL	361389	12/02/14 21:04	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361245	12/02/14 11:52	MDK	TAL SAV

Lab Sample ID: 680-107741-2 Client Sample ID: E-SW-1

Date Collected: 12/02/14 10:16 **Matrix: Solid** Date Received: 12/02/14 11:14 Percent Solids: 83.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.00 g	100 mL	361389	12/02/14 21:36	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361245	12/02/14 11:52	MDK	TAL SAV

Lab Sample ID: 680-107741-3 Client Sample ID: E-SW-2

Date Collected: 12/02/14 10:19 **Matrix: Solid** Date Received: 12/02/14 11:14 Percent Solids: 82.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.09 g	100 mL	361389	12/02/14 21:41	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361245	12/02/14 11:52	MDK	TAL SAV

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.09 g	100 mL	361389	12/02/14 21:45	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361245	12/02/14 11:52	MDK	TAL SAV

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: E-SW-4

Date Collected: 12/02/14 10:24

Date Received: 12/02/14 11:14

TestAmerica Job ID: 680-107741-1

Lab Sample ID: 680-107741-5

Matrix: Solid

Percent Solids: 79.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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
	Instrume	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			361245	12/02/14 11:52	MDK	TAL SAV
	Instrume	ent ID: NOEQUIP								

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

9

10

11

														Com									 						_
шс				OF				M H	440. Two	DATE DUE Per Dave Foller	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	4RKS	/ Emajl:	@ Amer.									TIME		TIME				
Website: www.testamericainc.com	354-7858 :-0165			PAGE)	STANDARD REPOR	DATE DUE	EXPEDITED REPC	SURCHARGE) 246. Tog	DATE DUE	NUMBER OF COO	REMARKS	Add thong	Pas1,6022									DATE		DATE				
Website: www.	Phone: (912) 354-7858 Fax: (912) 352-0165		Phone: Fax:	ANALYSIS								NERS SUBMITTED				68	D-107	741	Chain	of Cu	stod		RELINGUISHED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		EMARKS	4.2/13.9 c	
a Savannah	he Avenue 3A 31404	Alternate Laboratory Name/Location		REQUIRED ANALYSIS			· ·					NUMBER OF CONTAINERS SUBMITTED									-		TIME		TIME		LABORATORY REMARKS		
TestAmerica Savannah	5102 LaRoche Avenue Savannah, GA 31404	Alternate Lal			Ý		7 - 5						7	7	7	7	7						DATE		DATE	SE ONLY	SAVANNAH LOG NO.	45E01-084	
RECORD		<u> </u>		MATRIX	+	31\		(G)	·BARi	ISOLIC TER)	OSITE (O	SOLID SOLID FIR	7	7	7	7	7)					SIGNATURE)		URE)	LABORATORY USE ONLY	CUSTODY SFAI NO	; ; ; i	
ANALYSIS REQUEST AND CHAIN OF CUSTODY				PROJECT LOCATION	CONTENCT NO	CONTRACT NO.	CLIENT PHONE CLIENT FAX	2210 61 6 9 Mel) 4	AMEC. Com	3.0501	1	NO											RELINQUISHED BY: (S		RECEIVED BY: (SIGNATL		CUSTODY INTACT		
ST AND CHA				NO.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	JEH.	100 476/	MAIL Paul G	Chuck. Ferry @ Amec. Co	AS MALLAN		SAMPLE IDENTIFICATION				*							TIME	11:14	TIME		TIME		\
LYSIS REQUE	という	ر ا ا	NTAL TESTING	PROJECT NO.	- 1	P.O. NUME	CLIENT P	CLIENT E-	Chuc	High want AL	(if applicable)	SA	Bm-1	1-005	E-5 w - 2	E-800-3	-Sw.4					:	DATE	12/2/13	DATE	 	DATE	2/0/2	
ANAL	TectAmeric		THE LEADER IN ENVIRONMENTAL TESTING	PROJECT REFERENCE	KAPEN - O. C. PROVI	AL (LAB) PHOJECT MANAGEH	CLIENT (SITE) PM	CLIENT NAME	AMEC	CLIENT ADDRESS	122	SAMPLE DATE TIME	12/2/14 1026 E-	-3 dioi 41/2/11	4414 1019 E-S		12/2/14 1024 E.						RELINGUISHED BY: (SIGNATURE)		R E ČEIVED BY (SIGNATURE)		RECEIVED FOR LABORATORY BY:	m. Mark	

Serial Number 90960

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

ordator. Comor, reaton	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td>	N/A
The cooler's custody seal, if present, is intact.	True
Sample custody seals, if present, are intact.	True
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	False
Cooler Temperature is acceptable.	N/A
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	N/A
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time.	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	N/A
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A
Multiphasic samples are not present.	True
Samples do not require splitting or compositing.	True
Residual Chlorine Checked.	N/A

TestAmerica Savannah

4

5

8

9

11

Certification Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

4

Ę

6

8

4.6



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 relea

Authorized for release by: 12/3/2014 2:51:34 PM

Lisa Harvey, Project Manager II (912)354-7858 e.3221

lisa.harvey@testamericainc.com

..... LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

4

6

7

ŏ

1 N

11

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

4

6

0

0

10

11

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.

Practical Quantitation Limit

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Quality Control

Relative error ratio

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

PQL

QC RER

RL

RPD

TEF

TEQ

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)

Sample Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

3

4

-

6

8

9

10

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: D-BM-1

Date Collected: 12/02/14 14:24

Lead

TestAmerica Job ID: 680-107761-1

Lab Sample ID: 680-107761-1

₩

0.65 mg/Kg

Matrix: Solid

Percent Solids: 79.3

Date Received: 12/02/14 15:07 Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL Unit D Prepared

1.2

110

Analyzed Dil Fac 12/02/14 15:25 12/03/14 11:05

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: D-SW-1

TestAmerica Job ID: 680-107761-1

Lab Sample ID: 680-107761-2

Matrix: Solid

Date Collected: 12/02/14 14:26 Date Received: 12/02/14 15:07 Percent Solids: 81.2

Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL 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

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: D-SW-2

Date Collected: 12/02/14 14:28

TestAmerica Job ID: 680-107761-1

Lab Sample ID: 680-107761-3

Matrix: Solid

Percent Solids: 85.6

Date Received: 12/02/14 15:07

Method: 6010C - Metals (ICP)								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.0	0.99	0.52	mg/Kg	*	12/02/14 15:25	12/03/14 11:14	1

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Client Sample ID: D-SW-3 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 Qu	ualifier 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

Л

_

9

44

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: D-SW-4

TestAmerica Job ID: 680-107761-1

Lab Sample ID: 680-107761-5

Date Collected: 12/02/14 14:33	Matrix: Solid
Date Received: 12/02/14 15:07	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.

Method: 6010C - Metals (ICP)

Matrix: Solid

Analyte

Lead

Analysis Batch: 361461

Lab Sample ID: MB 680-361309/1-A

TestAmerica Job ID: 680-107761-1

Client Sample ID: Method Blank

12/03/14 10:33

12/02/14 15:25

Prep Type: Total/NA

Prep Batch: 361309

мв мв Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

0.53 mg/Kg

Lab Sample ID: LCS 680-361309/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 361461 **Prep Batch: 361309**

1.0

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Lead 46.7 48.7 mg/Kg 104 80 - 120

0.53 U

Lab Sample ID: 680-107761-5 MS Client Sample ID: D-SW-4 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 361461 **Prep Batch: 361309**

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Unit D %Rec Limits Ö Lead 14 52.0 61.1 90 75 _ 125 mg/Kg

Lab Sample ID: 680-107761-5 MSD Client Sample ID: D-SW-4 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 361461 **Prep Batch: 361309** RPD Sample Sample Spike MSD MSD %Rec.

Analyte Result Qualifier Added Result Qualifier Limits Limit Unit %Rec 14 52.4 60.2 88 20 Lead mg/Kg 75 - 125

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107761-1

Metals

Prep Batch: 361309

Client Sample ID	Prep Type	Matrix	Method	Prep Batch
D-BM-1	Total/NA	Solid	3050B	
D-SW-1	Total/NA	Solid	3050B	
D-SW-2	Total/NA	Solid	3050B	
D-SW-3	Total/NA	Solid	3050B	
D-SW-4	Total/NA	Solid	3050B	
D-SW-4	Total/NA	Solid	3050B	
D-SW-4	Total/NA	Solid	3050B	
Lab Control Sample	Total/NA	Solid	3050B	
Method Blank	Total/NA	Solid	3050B	
	D-BM-1 D-SW-1 D-SW-2 D-SW-3 D-SW-4 D-SW-4 D-SW-4 Lab Control Sample	D-BM-1 Total/NA D-SW-1 Total/NA D-SW-2 Total/NA D-SW-3 Total/NA D-SW-4 Total/NA D-SW-4 Total/NA D-SW-4 Total/NA D-SW-4 Total/NA D-SW-4 Total/NA Total/NA Total/NA	D-BM-1 Total/NA Solid D-SW-1 Total/NA Solid D-SW-2 Total/NA Solid D-SW-3 Total/NA Solid D-SW-4 Total/NA Solid	D-BM-1 Total/NA Solid 3050B D-SW-1 Total/NA Solid 3050B D-SW-2 Total/NA Solid 3050B D-SW-3 Total/NA Solid 3050B D-SW-4 Total/NA Solid 3050B D-SW-4 Total/NA Solid 3050B D-SW-4 Total/NA Solid 3050B Lab Control Sample 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	

0

Ω

9

10

11

TestAmerica Savannah

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.03 g	100 mL	361461	12/03/14 11:05	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture		1			361343	12/02/14 16:55	MDK	TAL SAV

Lab Sample ID: 680-107761-2 Client Sample ID: D-SW-1

Date Collected: 12/02/14 14:26 Date Received: 12/02/14 15:07

Matrix: Solid Percent Solids: 81.2

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Lab Analyst Total/NA Prep 3050B 1.12 g 100 mL 361309 12/02/14 15:25 CRW TAL SAV Total/NA 12/03/14 11:09 TAL SAV 6010C 1.12 g 100 mL 361461 **BCB** Analysis 1 Instrument ID: ICPE Total/NA Analysis MDK TAL SAV Moisture 361343 12/02/14 16:55 Instrument ID: NOEQUIP

Client Sample ID: D-SW-2 Lab Sample ID: 680-107761-3

Date Collected: 12/02/14 14:28 Date Received: 12/02/14 15:07

Matrix: Solid Percent Solids: 85.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.18 g	100 mL	361461	12/03/14 11:14	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361343	12/02/14 16:55	MDK	TAL SAV

Lab Sample ID: 680-107761-4 Client Sample ID: D-SW-3

Date Collected: 12/02/14 14:31 Date Received: 12/02/14 15:07

Matrix: Solid Percent Solids: 82.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.04 g	100 mL	361461	12/03/14 11:28	BCB	TAL SAV
Total/NA	Analysis	Moisture		1			361343	12/02/14 16:55	MDK	TAL SAV
	Instrum	ent ID: NOEQUIP								

TestAmerica Savannah

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: D-SW-4

Date Collected: 12/02/14 14:33 Date Received: 12/02/14 15:07

TestAmerica Job ID: 680-107761-1

Lab Sample ID: 680-107761-5

Percent Solids: 82.9

Matrix: Solid	
D (0.11.1 00.0	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.14 g	100 mL	361461	12/03/14 10:42	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361343	12/02/14 16:55	MDK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

∞	
0	
÷	
Ċ	
$\stackrel{\smile}{}$	
<u>v</u>	
N	
n	
~	
7	
٠.	
_	

TAL8240-680 (1008)							•			
		22.4/22.1°C		LOG NO. 68-107761	SEAL NO.	YFS ()	15,51	W/ax/15	S (SIGNATURE)	S(SIGNATURE)
		Cycles	OVICANATIO VICOTA CODA I	JSE ONLY	LABORATORY USE ONLY		Lvai)	TABOBATOBY BV.	2/3/
TIME	DATE	RECEIVED BY: (SIGNATURE)	TIME	DATE		RECEIVED BY: (SIGNATURE)	TIME	DATE	SIGNATURE)	RECEIVED BY: (SIGNATURE)
TIME	DATE	RELINQUISHED BY: (SIGNATURE)	TIME	DATE	4TURE)	RELINQUISHED BY: (SIGNATURE)	TIME	DATE /2/14	BY: (SJG#MTURE)	RELINQUISHED BY: (S)GAMTURE)
										•
		stody		7	1			7-50-4	1433 D-	12/2/14
		of Cu		7	\ \ \ \ \ \	7		5m-3	1431 D-	4/2/2/14
				/	/			5w-2	1428 D-	9 12/2/14
6 & AMC. COM	Paul- 4A120 @			>	ر ر			5m-1	1426 D-	<i>h/2/2)</i> e
Cmail-	Additional	-1077		7	7			- BM-1	1424 D.	41/2/71 Pa
REMARKS	REM	680	NUMBER OF CON	ANON	AQUE BIA		SAMPLE IDENTIFICATION	SAMP	SAMPLE	SAM
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	NUMBER OF COC PER SHIPMENT:	NN BE		ONEONS	OOSITE (C		Jan Jos	(if applicable)	UTRACTING THIS WORK	COMPANY CON
X Y MOVE	DATE DUE				TER)	T	10 20238	Jour A Hack	CLIENT ADDRESS CLIENT ADDRESS CLIENT ADDRESS	CLIENT ADDRE
ORT OF STATE	EXPEDITED REPORT DELIVERY (SURCHARGE)			9 /0 /0	(1.63×	CLIENT E-MAIL Pavi, 9,4200 61 @gmai Chuck & Porry @ Amre, 00	CLIENTE-MA	AME	CLIENT NAME
	DATE DUE						NE	CLIENT PHONE 4048134761	M 6 4720	CLIENT (SITE) PM Par / 6,4220
	STANDARD REPORT DELIVERY	50				CONTRACT NO.	٤		TAL (LAB) PROJECT MANAGER	TAL (LAB) PROJ
₽ ~	PAGE	REQUIRED ANALYSIS	REQUIRE		MATRIX	PROJECT LOCATION (STATE)	PROJECT NO. 6/2/090220		=Brampter Rd.	PROJECT REFERENCE
		Phone: Fax:						TAL TESTING	THE LEADER IN ENVIRONMENTAL TESTING	THE LEAD
			Alternate Laboratory Name/Location	Alternate Lab	L <u>.</u>					3
E	tamericainc.c -7858 65	Website; Www.testamericainc.com Phone; (912) 354-7858 Fax: (912) 352-0165	a Savannan ne Avenue iA 31404					ر الا	TectAmeric	
g	tomoricaino	Model of the state	Sayannah	Tost America Savanah		ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD	L AND CHAIN	YSIS REQUES	ANAL	

Serial Number 90965

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

Creator: Conner, Keaton		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

3

4

6

0

9

11

111

Certification Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

Ι,

5

7

0

10

11



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-107789-1

Client Project/Site: Rheem - Brampton Rd.

For:

AMEC Environment & Infrastructure, Inc. 2677 Buford Highway Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:

12/4/2014 2:18:01 PM

Lisa Harvey, Project Manager II (912)354-7858 e.3221

lisa.harvey@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

4

3

4

7

9

10

11

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

E

6

<u> 1</u>0

11

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.

Quality Control

Relative error ratio

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

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

QC

RER

RPD

TEF

TEQ

RL

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

TestAmerica Savannah

Sample Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

Λ

_

8

9

10

11

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-1

Date Collected: 12/03/14 12:24

Date Received: 12/03/14 13:55

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-1

Matrix: Solid

Percent Solids: 85.8

Method: 6010C - Metals (ICP)								
Analyte	Result Qualif	fier 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

G

Q

9

4 4

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-2 Lab Sample ID: 680-107789-2

Date Collected: 12/03/14 12:26 Matrix: Solid

Date Received: 12/03/14 13:55 Percent Solids: 80.1

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

4

5

6

Я

9

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-3

Date Collected: 12/03/14 12:31

Lead

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-3

12/03/14 14:53 12/04/14 11:20

₩

0.61 mg/Kg

Matrix: Solid

Date Received: 12/03/14 13:55								Percent Solids	s: 84.8
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

1.1

130

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

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-5

Date Collected: 12/03/14 12:36

Date Received: 12/03/14 13:55

Lead

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-5

12/03/14 14:53

Matrix: Solid

12/04/14 11:38

Percent Solids: 78.4

_									
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

1.3

0.66 mg/Kg

870

6

6

9

4 4

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-6

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-6

Matrix: Solid

Percent Solids: 83.9

Date Collected: 12/03/14 12:39 Date Received: 12/03/14 13:55

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		1.1	0.61	mg/Kg	-	12/03/14 14:53	12/04/14 11:47	1

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-7

Date Collected: 12/03/14 12:44

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-7

Matrix: Solid

Percent Solids: 84.5

Date Received: 12/03/14 13:55 Method: 6010C - Metals (ICP)

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac ₩ Lead 140 1.0 0.54 mg/Kg 12/03/14 14:53 12/04/14 11:52

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-8

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-8

Matrix: Solid

·	•
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: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-9

Date Collected: 12/03/14 12:49

Lead

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-9

₩

12/03/14 14:53

0.59 mg/Kg

Matrix: Solid

12/04/14 12:01

Date Received: 12/03/14 13:55						Percent Sol	lids: 83.4
Method: 6010C - Metals (ICP)							
Analyto	Posult Qualifier	DI	MDI Unit	n	Dronarod	Analyzod	Dil Fac

36

1.1

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-SW-10

Lab Sample ID: 680-107789-10

Date Collected: 12/03/14 12:51

Date Received: 12/03/14 13:55

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

5

ט

8

10

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-11

Date Collected: 12/03/14 12:55

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-11

Matrix: Solid

Date Received: 12/03/14 13:55	Percent Solids: 84.0
Method: 6010C - Metals (ICP)	

Analyzed Dil Fac

Analyte Result Qualifier RLMDL Unit Prepared ₩ Lead 310 1.2 0.61 mg/Kg 12/03/14 14:53 12/04/14 12:10

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-12

Date Collected: 12/03/14 12:57

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-12

Matrix: Solid

Percent Solids: 85.5

Date Received: 12/03/14 13:55

Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac ₩ Lead 18 1.0 0.55 mg/Kg 12/03/14 14:53 12/04/14 12:15

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-BM-1

Date Collected: 12/03/14 13:01

Date Received: 12/03/14 13:55

TestAmerica Job ID: 680-107789-1

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

6

8

9

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-BM-2

Date Collected: 12/03/14 13:04

Lead

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-14

12/03/14 14:53

Matrix: Solid

12/04/14 12:24

Date Received: 12/03/14 13:55								Percent Solids	s: 90.2
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

1.0

0.55 mg/Kg

7.7

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-BM-3

Date Collected: 12/03/14 13:07

Method: 6010C - Metals (ICP)

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-15

Matrix: Solid

Percent Solids: 90.5

Date Received: 12/03/14 13:55

Analyte Result Qualifier RLMDL Unit D Analyzed Dil Fac Prepared ₩ Lead 8.6 0.99 0.52 mg/Kg 12/03/14 14:53 12/04/14 12:38

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-4 Lab Sample ID: 680-107789-16

Date Collected: 12/03/14 13:10 Matrix: Solid

Date Received: 12/03/14 13:55
Percent Solids: 87.2

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

4

5

O

8

3

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-BM-5

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-17

Matrix: Solid

Percent Solids: 85.2

Date Collected: 12/03/14 13:13 Date Received: 12/03/14 13:55

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

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

Client Sample ID: F-BM-6

Lab Sample ID: 680-107789-18

Date Collected: 12/03/14 13:16 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	12		1.1	0.56	mg/Kg	\	12/03/14 14:53	12/04/14 12:51	1

3

4

9

1 4

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

мв мв

Matrix: Solid

Analysis Batch: 361650

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 361481

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte 0.89 0.47 mg/Kg 12/03/14 14:53 12/04/14 10:43 Lead 0.47 U

Lab Sample ID: LCS 680-361481/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 361650

Prep Batch: 361481

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Lead 48.5 49.0 mg/Kg 101 80 - 120

Lab Sample ID: 680-107789-1 MS Client Sample ID: F-SW-1 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 361650

Prep Batch: 361481 Sample Sample Spike MS MS %Rec.

Result Qualifier Added Result Qualifier Unit D %Rec Limits Lead 23 53.4 97.1 F1 Ü 139 75 _ 125 mg/Kg

Lab Sample ID: 680-107789-1 MSD Client Sample ID: F-SW-1 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 361650 **Prep Batch: 361481**

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

Limit 23 53.0 84.0 116 Lead mg/Kg 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 Batcl
680-107789-1	F-SW-1	Total/NA	Solid	3050B	
680-107789-1 MS	F-SW-1	Total/NA	Solid	3050B	
680-107789-1 MSD	F-SW-1	Total/NA	Solid	3050B	
680-107789-2	F-SW-2	Total/NA	Solid	3050B	
680-107789-3	F-SW-3	Total/NA	Solid	3050B	
680-107789-4	F-SW-4	Total/NA	Solid	3050B	
680-107789-5	F-SW-5	Total/NA	Solid	3050B	
680-107789-6	F-SW-6	Total/NA	Solid	3050B	
680-107789-7	F-SW-7	Total/NA	Solid	3050B	
680-107789-8	F-SW-8	Total/NA	Solid	3050B	
680-107789-9	F-SW-9	Total/NA	Solid	3050B	
680-107789-10	F-SW-10	Total/NA	Solid	3050B	
680-107789-11	F-SW-11	Total/NA	Solid	3050B	
680-107789-12	F-SW-12	Total/NA	Solid	3050B	
680-107789-13	F-BM-1	Total/NA	Solid	3050B	
680-107789-14	F-BM-2	Total/NA	Solid	3050B	
680-107789-15	F-BM-3	Total/NA	Solid	3050B	
680-107789-16	F-BM-4	Total/NA	Solid	3050B	
680-107789-17	F-BM-5	Total/NA	Solid	3050B	
680-107789-18	F-BM-6	Total/NA	Solid	3050B	
LCS 680-361481/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-361481/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 361650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-107789-1	F-SW-1	Total/NA	Solid	6010C	361481
680-107789-1 MS	F-SW-1	Total/NA	Solid	6010C	361481
680-107789-1 MSD	F-SW-1	Total/NA	Solid	6010C	361481
680-107789-2	F-SW-2	Total/NA	Solid	6010C	361481
680-107789-3	F-SW-3	Total/NA	Solid	6010C	361481
680-107789-4	F-SW-4	Total/NA	Solid	6010C	361481
680-107789-5	F-SW-5	Total/NA	Solid	6010C	361481
680-107789-6	F-SW-6	Total/NA	Solid	6010C	361481
680-107789-7	F-SW-7	Total/NA	Solid	6010C	361481
680-107789-8	F-SW-8	Total/NA	Solid	6010C	361481
680-107789-9	F-SW-9	Total/NA	Solid	6010C	361481
680-107789-10	F-SW-10	Total/NA	Solid	6010C	361481
680-107789-11	F-SW-11	Total/NA	Solid	6010C	361481
680-107789-12	F-SW-12	Total/NA	Solid	6010C	361481
680-107789-13	F-BM-1	Total/NA	Solid	6010C	361481
680-107789-14	F-BM-2	Total/NA	Solid	6010C	361481
680-107789-15	F-BM-3	Total/NA	Solid	6010C	361481
680-107789-16	F-BM-4	Total/NA	Solid	6010C	361481
680-107789-17	F-BM-5	Total/NA	Solid	6010C	361481
680-107789-18	F-BM-6	Total/NA	Solid	6010C	361481
LCS 680-361481/2-A	Lab Control Sample	Total/NA	Solid	6010C	361481
MB 680-361481/1-A	Method Blank	Total/NA	Solid	6010C	361481

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-107789-1

General Chemistry

Analysis Batch: 361474

Prep Bate	Method	Matrix	Prep Type	Client Sample ID	Lab Sample ID
	Moisture	Solid	Total/NA	F-SW-1	680-107789-1
	Moisture	Solid	Total/NA	F-SW-2	680-107789-2
	Moisture	Solid	Total/NA	F-SW-3	680-107789-3
	Moisture	Solid	Total/NA	F-SW-4	680-107789-4
	Moisture	Solid	Total/NA	F-SW-5	680-107789-5
	Moisture	Solid	Total/NA	F-SW-6	680-107789-6
	Moisture	Solid	Total/NA	F-SW-7	680-107789-7
	Moisture	Solid	Total/NA	F-SW-8	680-107789-8
	Moisture	Solid	Total/NA	F-SW-9	680-107789-9
	Moisture	Solid	Total/NA	F-SW-10	680-107789-10
	Moisture	Solid	Total/NA	F-SW-11	680-107789-11
	Moisture	Solid	Total/NA	F-SW-12	680-107789-12
	Moisture	Solid	Total/NA	F-BM-1	680-107789-13
	Moisture	Solid	Total/NA	F-BM-2	680-107789-14
	Moisture	Solid	Total/NA	F-BM-3	680-107789-15
	Moisture	Solid	Total/NA	F-BM-4	680-107789-16
	Moisture	Solid	Total/NA	F-BM-5	680-107789-17
	Moisture	Solid	Total/NA	F-BM-6	680-107789-18

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-SW-1

Lab Sample ID: 680-107789-1

Matrix: Solid

Percent Solids: 84.8

Date Collected	I: 12/03/14 12:	24							1	Matrix: Solid
Date Received	: 12/03/14 13:	55							Percent	Solids: 85.8
Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrume	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	instrume	ent ID: NOEQUIP								

Client Sample ID: F-SW-2 Lab Sample ID: 680-107789-2

Date Collected: 12/03/14 12:26

Matrix: Solid Date Received: 12/03/14 13:55 Percent Solids: 80.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.03 g	100 mL	361650	12/04/14 11:15	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

Client Sample ID: F-SW-3 Lab Sample ID: 680-107789-3

Date Collected: 12/03/14 12:31 Date Received: 12/03/14 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.03 g	100 mL	361650	12/04/14 11:20	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.06 g	100 mL	361650	12/04/14 11:24	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

TestAmerica Savannah

2

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Lab Sample ID: 680-107789-5

Matrix: Solid

Percent Solids: 78.4

Client Sample ID: F-SW-5
Date Collected: 12/03/14 12:36
Date Received: 12/03/14 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.02 g	100 mL	361650	12/04/14 11:38	ВСВ	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

Lab Sample ID: 680-107789-6

Matrix: Solid

Percent Solids: 83.9

Date Collected: 12/03/14 12:39
Date Received: 12/03/14 13:55

Client Sample ID: F-SW-6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.04 g	100 mL	361650	12/04/14 11:47	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

Client Sample ID: F-SW-7 Lab Sample ID: 680-107789-7

Matrix: Solid
Percent Solids: 84.5

Date Collected: 12/03/14 12:44

Date Received: 12/03/14 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.16 g	100 mL	361650	12/04/14 11:52	BCB	TAL SAV
Total/NA	Analysis	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

Client Sample ID: F-SW-8 Lab Sample ID: 680-107789-8

Date Collected: 12/03/14 12:46 Date Received: 12/03/14 13:55 Matrix: Solid
Percent Solids: 83.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.02 g	100 mL	361650	12/04/14 11:56	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

TestAmerica Savannah

2

4

J

7

9

10

4 6

40==00

Project/Site: Rheem - Brampton Rd.

Client: AMEC Environment & Infrastructure, Inc.

Client Sample ID: F-SW-9

Lab Sample ID: 680-107789-9

Matrix: Solid

Percent Solids: 83.4

Date Collected	: 12/03/14 12	:49						
Date Received	: 12/03/14 13:	:55						
	Batch	Batch		Dil	Initial	Final	Batch	Prepare
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyz

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.07 g	100 mL	361650	12/04/14 12:01	ВСВ	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

Client Sample ID: F-SW-10 Lab Sample ID: 680-107789-10

Date Collected: 12/03/14 12:51 Matrix: Solid Date Received: 12/03/14 13:55 Percent Solids: 78.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.17 g	100 mL	361650	12/04/14 12:06	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

Lab Sample ID: 680-107789-11 Client Sample ID: F-SW-11

Date Collected: 12/03/14 12:55 **Matrix: Solid** Date Received: 12/03/14 13:55 Percent Solids: 84.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrum	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV
	Instrum	ent ID: NOEQUIP								

Client Sample ID: F-SW-12 Lab Sample ID: 680-107789-12

Date Collected: 12/03/14 12:57 **Matrix: Solid** Date Received: 12/03/14 13:55 Percent Solids: 85.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.12 g	100 mL	361650	12/04/14 12:15	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

4

 $\label{lem:client:amec} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

Lab Sample ID: 680-107789-13

Matrix: Solid

Percent Solids: 90.9

Client Sample	ID: F-BM-1
Date Collected: 1	12/03/14 13:01

Date Received: 12/03/14 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.08 g	100 mL	361650	12/04/14 12:19	ВСВ	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

Lab Sample ID: 680-107789-14

Client Sample ID: F-BM-2
Date Collected: 12/03/14 13:04
Date Received: 12/03/14 13:55

Matrix: Solid Percent Solids: 90.2

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.07 g	100 mL	361650	12/04/14 12:24	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture		1			361474	12/03/14 14:18	MDK	TAL SAV

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.12 g	100 mL	361650	12/04/14 12:38	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.14 g	100 mL	361650	12/04/14 12:42	ВСВ	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: F-BM-5

Client Sample ID: F-BM-6

TestAmerica Job ID: 680-107789-1

Lab Sample ID: 680-107789-17

Date Collected: 12/03/14 13:13 Matrix: Solid Date Received: 12/03/14 13:55 Percent Solids: 85.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.19 g	100 mL	361650	12/04/14 12:47	ВСВ	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

Lab Sample ID: 680-107789-18

Percent Solids: 83.8

Date Collected: 12/03/14 13:16 Matrix: Solid Date Received: 12/03/14 13:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.12 g	100 mL	361650	12/04/14 12:51	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361474	12/03/14 14:18	MDK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

(` <u>`</u>	ANALYSIS	ANALYSIS REQUEST AND CHAIN OF CUST	AND CHAI	N OF CUSTODY !	TODY RECORD	Ø	TestAmerica Savannah 5102 LaRoche Avenue	annah enue	Website Phone:	Website: www.testamericainc.com Phone: (912) 354-7858	nericainc.con 58	
<u>Σ</u>		(1) (1)					.,	savannan, GA 31404	404	Fax: (9	12) 352-0165		
							0	Alternate Laboratory Name/Location	ory Name/Locat	tion Phone:			
THE LEAD	THE LEADER IN ENVIRONMENTAL TESTING	ONMENTAL	TESTING							Fax:			
Rheem - bram	PROJECT REFERENCE Rheem - Bramban Rd	rd.	PROJECT NO. 6/2/09/20	0220	PROJECT LOCATION (STATE)	MATRIX TYPE	E XX		REQUIRED ANALYSIS	ANALYSIS	PAGE		OF
TAL (LAB) PROJECT MANAGER	IECT MÅNAGER		P.O. NUMBER		CONTRACT NO.	31		-12			STANDARI	STANDARD REPORT DELIVERY	0
CLIENT (SITE) PM	AT (SITE) PM		CLIENT PHONI	4761	CLIENT FAX	INDICA		רפס				DATE DUE	
CLIENT NAME			CLIENT E-MAIL	Pauligas	were Smaine	(g) (g)		ر -			EXPE	EXPEDITED REPORT	
AMEC	J		Chuck. A	erry C.Am	ec. icem	B B B B B B B B B B B B B B B B B B B	O) (I	0/0			(SURC	CHARGE) 24	RCHARGE) Z4 hoves
CLIENT ADDRESS	SS Proposed It	ichi sai	A Hear L. 60 30324	4 30326	à	OR (C) OR (C)	רוסח	19)				ATE DUE	. Due Falle
COMPANY CON	COMPANY CONTRACTING THIS	WORK (if a	if applicable)		pplicable)	OSITE (C SUS (WF OR SEM	ONEON				NUME PER S	SER OF COOLE SHIPMENT:	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
SAM	SAMPLE		SAMPL	E IDENTIFICATIC	N	SOLID AQUE COMP	AIA	NON	ABER OF CONTAI	NUMBER OF CONTAINERS SUBMITTED		REMARKS	KS
12/3/14	1224	F-5W-	1-1			2	~				Ada	Additions E-mail.	-meil:
4/2/7/ g	1226	F- 5W	2-ms			7					Pag.	Aul. 54270 @	AMEC. CC.
012/3/14	1231	F- 500	Sw-3			ر ح	7			68			
412/3/14	1234	F- 5W	Sw-4			ر د ر	2			0-107			
143114	1236	F-5W-5	.5			3	us .			⁷⁷⁸⁹ (` .
11/2/21	1239	F5w-6	- (ه			5	7			Chain			
12/3/14	1244	F-5w-7	+-			7	,		,	of Cu			
12/3/14	1246	F- 5th	5w-B			.s	7			ıstody			
12/3/14	1249	F- 50	5w-9			ゞ	7					÷	
12/3/14	1521	F- 5h	5-10			4	7						
12/3/14	1255	F- SW	Sw-11			9	7				·		
12/3/14	1257	F- 5w	5m-12			1 3	7						
RELINGUISHED	BY: (SIGNATURE)	-	DATE (2/3/14	TIME /355	RELINQUISHED BY: (SIGNATURE)	aNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	(j)	DATE	TIME
RECEIVED BY: (SIGNATURE)	SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	7E)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
2/2						LABORATORY	ORY USE ONLY	ıLY					
RECEIVED FOR LABORATORY BY:	LABORATORY E	3 Y :	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.		SAVANNAH LOG NO.	LABORATORY REMARKS	REMARKS			
7	7		12/3/14	1355	NO.			680-107789	Noia	ia 16.6/16.3° c			

Serial Number 90961

1 2 3 4 5 6 7 8 9 10 11	
456	1
456	
456	
456	
5	
5 6 7 8 9 10 11	
6 7 8 9 10 11	5
7 8 9 10 11	
89101112	
9101112	8
101112	9
	10

·	ANALY SID RECOED!	AND CHAIL	ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD	ECORD	TestAmerica Savannah	Savannah	Website	Website: www testamericainc com	moo o
TectAmeric	Doring					e Avenue 4 31404	Phone: Fax: (91	Phone: (912) 354-7858 Fax: (912) 352-0165	
				ı	Alternate Lab	Alternate Laboratory Name/Location			
THE LEADER IN ENVIRONMENTAL TESTING	ONMENTAL TESTING						Phone: Fax:		
PROJECT REFERENCE Rheem - Brampen	Ad 612109 0220	90220	PROJECT LOCATION (STATE)	MATRIX TYPE		REQUIRE	REQUIRED ANALYSIS	PAGE	OF 7
TAL (LAB) PROJECT MANAGER		, m	CONTRACT NO.	31				STANDARD REPORT DELIVERY	EPORT (
CLIENT (SITE) PM	CLIENT PHON	NE * 76/	CLIENT FAX	INDICĄ				DATE DUE	
m A	Chuck,	III Pauligani	CLIENT E-MAIL PAUL GERTO BI RESMAIL COME OF MAIL LONGE OF THE CAME OF THE COME	SAAB (G)	<i>סןס (כּ'</i> ב (סור' s			EXPEDITED REPORT DELIVERY (SURCHARGE)	EPORT CO
CLIENT ADDRESS	Must March	4020) OR (TER) IISOLIC	, , ,			DATE DUE	
COMPANY CONTRACTING THIS	S WORK (if applicable)	12000		O) BTISO AW) SUC MBS RO				NUMBER OF (NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
SAMPLE DATE TIME	SAMPI	LE IDENTIFICATIO	Z	COMP	DANON	NUMBER OF CONT	NUMBER OF CONTAINERS SUBMITTED		REMARKS
12/3/14 1301	F- Bm-1			2	7			Additiona	Additional Email!
12/3/14 1304	F-BM-2			7	7			Paul. Gaz	Paul Kazzo P. Amec. Com
143/14 1307	F- Bm-3			2	7				
12/3/14 (310	F- Bm-4			7	>				
12/3/14 (313	F- Bm-5			? ?	7				
12/3/14 1316	F- BM-6			\ \	\				-
		***	:S6,		-				
RELINQUISHED BY: (SIGNATURE)	DATE 12/3/14	TIME	RELINQUISHED BY: (SIGNATURE)	(ATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	E) DATE	TIME
RÉCEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED.BY: (SIGNATURE)	(3	рате	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
				LABORATORY USE ONLY	USE ONLY				
RECEIVED FOR LABORATORY BY: (SIGNATURE)	M: DATE 12/1/1	TIME (135)	CUSTODY INTACT YES O	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS	/ REMARKS		
	-	202)						TAL8240-680 (1008)

Serial Number 90962

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

Creator: Conner, Reaton		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

6

8

11

Certification Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

4

5

6

8

9



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-107859-1

Client Project/Site: Rheem - Brampton Rd.

For:

AMEC Environment & Infrastructure, Inc. 2677 Buford Highway Atlanta, Georgia 30324

Attn: Chuck Ferry

Show Horey

Authorized for release by: 12/5/2014 2:06:03 PM

Lisa Harvey, Project Manager II (912)354-7858 e.3221

lisa.harvey@testamericainc.com

..... LINKS

Review your project results through
Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

4

8

9

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

-

Л

6

_

10

11

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.

Practical Quantitation Limit

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Quality Control

Relative error ratio

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

PQL

QC

RL

RER

RPD

TEF

TEQ

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)

TestAmerica Savannah

Sample Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

3

4

5

7

8

10

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: E-SW-2A

Date Collected: 12/03/14 15:33

TestAmerica Job ID: 680-107859-1

Lab Sample ID: 680-107859-1

Matrix: Solid

Percent Solids: 84.9

Date Received: 12/04/14 13:10

Method: 6010C - Metals (ICP)							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Lead	39	1.1	0.57 mg/Kg	₩	12/04/14 13:42	12/05/14 03:58	1

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: SP-1

Date Collected: 12/04/14 09:25

TestAmerica Job ID: 680-107859-1

Lab Sample ID: 680-107859-2

Matrix: Solid

Date Received: 12/04/14 13:10 Percent Solids: 79.1

Method: 6010C - Metals (ICP)								
Analyte	Result Qualif	ier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11	1.1	0.58	mg/Kg		12/04/14 13:42	12/05/14 04:03	1

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: SP-2

Date Collected: 12/04/14 09:31

Date Received: 12/04/14 13:10

TestAmerica Job ID: 680-107859-1

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	<u></u>	12/04/14 13:42	12/05/14 04:08	1

5

6

8

9

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: SP-3

TestAmerica Job ID: 680-107859-1

Lab Sample ID: 680-107859-4

Matrix: Solid

Date Collected: 12/04/14 09:36 Date Received: 12/04/14 13:10 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.

Method: 6010C - Metals (ICP)

Lead

Lab Sample ID: MB 680-361666/1-A

TestAmerica Job ID: 680-107859-1

Client Sample ID: Method Blank

'													- '	_	
Matrix: Solid													Prep Ty	/pe: To	tal/NA
Analysis Batch: 361848													Prep B	atch: 3	61666
		MB	MB												
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	Р	repared	Analyze	ed	Dil Fac
Lead		0.48	U		0.91		0.48	mg/Kg		_	12/0	4/14 13:42	12/05/14 0	3:17	1
Lab Sample ID: LCS 680-361666/2	·A									С	lient	Sample	ID: Lab Co	ntrol S	ample
Matrix: Solid													Prep Ty	pe: To	tal/NA
Analysis Batch: 361848													Prep B	atch: 3	61666
				Spike		LCS	LCS						%Rec.		
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Lead				45.0		45.4			mg/Kg		_	101	80 - 120		
Lab Sample ID: 680-107859-4 MS													Client Sar	nple ID	: SP-3
Matrix: Solid													Prep Ty		
Analysis Batch: 361848														atch: 3	
	Sample	Sam	ple	Spike		MS	MS						%Rec.		
Analyte	Result	Qua	lifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Lead	3.8			45.4		56.3	-		mg/Kg		₩	116	75 - 125		
Lab Sample ID: 680-107859-4 MSD	1												Client Sar	nple ID	: SP-3
Matrix: Solid													Prep Ty	pe: To	tal/NA
Analysis Batch: 361848													Prep B	atch: 3	61666
-	Sample	Sam	ple	Spike		MSD	MSD)					%Rec.		RPD
Analyte	Result	Qua	lifier	Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit

45.4

55.0

mg/Kg

113

75 - 125

3.8

QC Association Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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	

TestAmerica Savannah

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrum	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			361661	12/04/14 13:32	MDK	TAL SAV
	Instrum	ent ID: NOEQUIP								

Client Sample ID: SP-1 Lab Sample ID: 680-107859-2

Date Collected: 12/04/14 09:25

Date Received: 12/04/14 13:10

Matrix: Solid
Percent Solids: 79.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.15 g	100 mL	361848	12/05/14 04:03	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			361661	12/04/14 13:32	MDK	TAL SAV

Client Sample ID: SP-2 Lab Sample ID: 680-107859-3

Date Collected: 12/04/14 09:31 Date Received: 12/04/14 13:10 Matrix: Solid Percent Solids: 80.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrume	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			361661	12/04/14 13:32	MDK	TAL SAV
	Instrume	ent ID: NOEQUIP								

Client Sample ID: SP-3

Lab Sample ID: 680-107859-4

Date Collected: 12/04/14 09:36

Matrix: Solid

Date Received: 12/04/14 13:10 Percent Solids: 98.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrume	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			361661	12/04/14 13:32	MDK	TAL SAV
	Instrume	ent ID: NOEQUIP								

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

8
9

1	0
1	1

t An	ANALYSIS REQUEST AND CHAIN OF CUSTODY		RECORD	TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404	a Savannah ne Avenue AA 31404	Website: v Phone: (9 Fax: (912)	Website: www.testamericainc.com Phone: (912) 354-7858 Fax: (912) 352-0165	
DER IN ENVIE	THE LEADER IN ENVIRONMENTAL TESTING			Alternate La	Alternate Laboratory Name/Location	cation Phone: Fax:		
FERENCE PRA	PROJECT REFERENCE PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE		REQUIRE	REQUIRED ANALYSIS	PAGE OF	
JECT MANAGER	P.O. NUMBER						STANDARD REPORT DELIVERY	
CLIENT (SITE) PM	111111111111111111111111111111111111111		AJIGNI				DATE DUE	
CLIENT NAME AMEC	PANTEMANDO 61 & GMAIL. (Or CHOCK, FORM & AME . CON	-	(G)	29/0 S (110) 0			EXPEDITED REPORT DELIVERY (SURCHARGE)	
CLIENT ADDRESS	Rice His		(RET				DATE DUE 34 HC	S
NTRACTING THE	=	<i>J</i> <u>J1100</u>	AW) SUG				NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	AITTED
SAMPLE TIME	SAMPLE IDENTIFICATION		AQUEC	DANON	NUMBER OF CON	NUMBER OF CONTAINERS SUBMITTED	REMARKS	
1533	E-SW-2A	~	7	7			PANI GAZZO A	AMÉC. CON
0925	SP-1		19	7,				
0931	20.5		7					
0936	54-3		2	2				
						680-107859 Chain of Custody	of Custody	
D BY: (SIGNATURE)	DATE 11.V	RELINQUISHED BY: (SIGNATURE)	TURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE TIME	
1				L	Ļ			
BY: (SIGNATURE)	DATE	RECEIVED BY: (SIGNATURE)		DAIE	HWI I	RECEIVED BY: (SIGNATURE)	DAIE	·····
			LABORATORY USE ONLY					
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE TIME - 13'10	CUSTODY INTACT YES O	CUSTODY SEAL NO.	SAVANNAH GA LOG NO.	139 LABORATORY REMARKS	1 Tes: 226 (CF-3)23	ø	
	m d 15 75 1			<u> </u>			TAL8240-680 (1008)	RO (1008)

Serial Number 90964

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

oreator. Danida, Offinsty 3		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

3

4

7

9

10

11

Certification Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

5

0

8

4.6



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-108073-1

Client Project/Site: Rheem - Brampton Rd.

For:

AMEC Environment & Infrastructure, Inc. 2677 Buford Highway Atlanta, Georgia 30324

Attn: Chuck Ferry

Authorized for release by:

12/11/2014 12:05:05 PM

Lisa Harvey, Project Manager II (912)354-7858 e.3221

lisa.harvey@testamericainc.com

..... LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

<u>METALS (ICP)</u>

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.

4

16

4

7

_

10

11

d e

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

4

_

6

0

9

- 10

Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.

Practical Quantitation Limit

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Quality Control

Relative error ratio

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

PQL

QC

RER

RPD TEF

TEQ

RL

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)

TestAmerica Savannah

Sample Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

3

4

5

6

8

9

44

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

Client Sample ID: S-B-4

TestAmerica Job ID: 680-108073-1

Lab Sample ID: 680-108073-1

ab Sample ID. 660-106073-1

 Date Collected: 12/10/14 09:30
 Matrix: Solid

 Date Received: 12/10/14 13:45
 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	<u> </u>	12/10/14 14:25	12/11/14 01:52	1

6

Q

9

1 U

11

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Client Sample ID: S-B-5

Lab Sample ID: 680-108073-2

Date Collected: 12/10/14 09:40

Date Received: 12/10/14 13:45

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

__

Λ

4

6

8

3

11

 ${\bf Client: AMEC\ Environment\ \&\ Infrastructure,\ Inc.}$

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Client Sample ID: S-B-6

Lab Sample ID: 680-108073-3

Date Collected: 12/10/14 09:43 Matrix: Solid

Date Received: 12/10/14 13:45 Percent Solids: 82.1

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

4

__

6

9

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: S-B-7

Lead

Date Collected: 12/10/14 09:51

TestAmerica Job ID: 680-108073-1

Lab Sample ID: 680-108073-4

₩

12/10/14 14:25

0.53 mg/Kg

Matrix: Solid

12/11/14 02:01

Percent Solids: 90.2

Date Received: 12/10/14 13:45 Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac

1.0

16

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: S-B-8

TestAmerica Job ID: 680-108073-1

Lab Sample ID: 680-108073-5

Matrix: Solid

Percent Solids: 91.2

Date Collected: 12/10/14 10:05 Date Received: 12/10/14 13:45

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.

Method: 6010C - Metals (ICP)

Matrix: Solid

Analyte

Lead

Lead

Analysis Batch: 362719

Lab Sample ID: MB 680-362587/1-A

TestAmerica Job ID: 680-108073-1

Client Sample ID: Method Blank

Ö

mg/Kg

75

75 _ 125

Prep Type: Total/NA

Prep Batch: 362587

мв мв Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed 0.53 U 1.0 0.53 mg/Kg 12/10/14 14:25 12/11/14 01:20

Lab Sample ID: LCS 680-362587/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 362719 **Prep Batch: 362587**

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Lead 48.5 46.9 mg/Kg 97 80 - 120

Lab Sample ID: 680-108073-2 MS Client Sample ID: S-B-5 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 362719 **Prep Batch: 362587** Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Unit D %Rec Limits

48.1

23

Lab Sample ID: 680-108073-2 MSD Client Sample ID: S-B-5 Prep Type: Total/NA **Matrix: Solid** Analysis Batch: 362719 **Prep Batch: 362587** Spike MSD MSD RPD Sample Sample %Rec.

59.1

Analyte Result Qualifier Added Result Qualifier %Rec Limits Limit Unit 23 48.1 53.3 F1 63 Lead mg/Kg 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

Client Sample ID	Prep Type	Matrix	Method	Prep Batch
S-B-4	Total/NA	Solid	3050B	
S-B-5	Total/NA	Solid	3050B	
S-B-5	Total/NA	Solid	3050B	
S-B-5	Total/NA	Solid	3050B	
S-B-6	Total/NA	Solid	3050B	
S-B-7	Total/NA	Solid	3050B	
S-B-8	Total/NA	Solid	3050B	
Lab Control Sample	Total/NA	Solid	3050B	
Method Blank	Total/NA	Solid	3050B	
	S-B-5 S-B-5 S-B-6 S-B-7 S-B-8 Lab Control Sample	S-B-5 Total/NA S-B-5 Total/NA S-B-6 Total/NA S-B-7 Total/NA S-B-8 Total/NA Lab Control Sample Total/NA	S-B-5 Total/NA Solid S-B-5 Total/NA Solid S-B-5 Total/NA Solid S-B-6 Total/NA Solid S-B-7 Total/NA Solid S-B-8 Total/NA Solid Lab Control Sample Total/NA Solid	S-B-5 Total/NA Solid 3050B S-B-5 Total/NA Solid 3050B S-B-5 Total/NA Solid 3050B S-B-6 Total/NA Solid 3050B S-B-7 Total/NA Solid 3050B S-B-8 Total/NA Solid 3050B Lab Control Sample 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 Sam	ole ID Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-1080	73-1 S-B-4	Total/NA	Solid	Moisture	
680-1080	73-2 S-B-5	Total/NA	Solid	Moisture	
680-1080	73-3 S-B-6	Total/NA	Solid	Moisture	
680-1080	73-4 S-B-7	Total/NA	Solid	Moisture	
680-1080	73-5 S-B-8	Total/NA	Solid	Moisture	

8

9

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Lab Sample ID: 680-108073-1

Matrix: Solid

Percent Solids: 93.9

Client Sample ID: S-B-4 Date Collected: 12/10/14 09:30 Date Received: 12/10/14 13:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.07 g	100 mL	362719	12/11/14 01:52	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			362580	12/10/14 14:02	HML	TAL SAV

Lab Sample ID: 680-108073-2 Client Sample ID: S-B-5

Date Collected: 12/10/14 09:40

Matrix: Solid Date Received: 12/10/14 13:45 Percent Solids: 93.7

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.11 g	100 mL	362719	12/11/14 01:29	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			362580	12/10/14 14:02	HML	TAL SAV

Client Sample ID: S-B-6 Lab Sample ID: 680-108073-3

Date Collected: 12/10/14 09:43 Date Received: 12/10/14 13:45

Matrix: Solid Percent Solids: 82.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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
	Instrume	ent ID: ICPE								
Total/NA	Analysis	Moisture		1			362580	12/10/14 14:02	HML	TAL SAV
	Instrume	ent ID: NOEQUIP								

Client Sample ID: S-B-7 Lab Sample ID: 680-108073-4 Date Collected: 12/10/14 09:51 **Matrix: Solid**

Date Received: 12/10/14 13:45 Percent Solids: 90.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.11 g	100 mL	362719	12/11/14 02:01	ВСВ	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			362580	12/10/14 14:02	HML	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108073-1

Lab Sample ID: 680-108073-5

Client Sample ID: S-B-8 Date Collected: 12/10/14 10:05 Matrix: Solid Date Received: 12/10/14 13:45 Percent Solids: 91.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.17 g	100 mL	362719	12/11/14 02:15	ВСВ	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			362580	12/10/14 14:02	HML	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

		·······		Γ] g	
		TIME	TIME			TAL8240-680 (1008)	
		DATE	DATE				
		RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)		/ HEMARKS		1
		TIME	TIME		LABORATORY REMARKS		
		DATE	DATE	Υ-	SAVANNAH LOG NO. 680-[03073		
		JRE)	i	LABORATORY USE ONLY	CUSTODY SAVA SEAL NO. LOG		
		RELINQUISHED BY: (SIGNATURE)	PRECEIVED BY: (SIGNATURE)	LA	CUSTODY INTACT YES NO O		
		DATE TIME DATE DATE TIME	1/2		12/10/14 1345		
		DATE (P)	DATÉ DA/O	•	DATE 122 IO		
		UISHED BY: (SIGNATURE)	MATUBE)		ABGRATORY BY:		
	10	REVINGUISHED BY	RECEIVED BY: 19		RECEIVED FOR LINBCRATORY BY: (SIGNATURE)		

:	ANALY	ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD	I OF CUSTODY R	ECORD	TestAmerica Savannah	ivannah	Website: wv	Website: www.testamericainc.com	_
TOCT	TestAmeric	ביבו			5102 LaRoche Avenue Savannah, GA 31404	venue 1404	Phone: (912) 354-78 Fax: (912) 352-0165	Phone: (912) 354-7858 Fax: (912) 352-0165	
3		<u> </u>			Alternate Laboratory Name/Location	tory Name/Loc			
THE LEADER	THE LEADER IN ENVIRONMENTAL TESTING	TAL TESTING					Fax:		
PROJECT REFERENCE	ince 270	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE		REQUIRE	REQUIRED ANALYSIS	PAGE	OF
TAL (LAB) PROJECT MANAGER	T MANAGER	P.O. NUMBER	CONTRACT NO.	31				STANDARD REPORT DELIVERY	C
CLIENT (SITE) PM	AM ZC DOSTW HIZER	CLIENT PHONE	CLIENT FAX	INDICA				DATE DUE	
CLIENT NAME PWECT	13	CLIENT E-MAIL		(Đ) BARê	0 0 6 0 (310) a			EXPEDITED REPORT DELIVERY (SURCHARGE)	_&
CLIENT ADDRESS	on Phi. O.A.	LHen 120		(RET	•			DATE DUE [2	11/11
COMPANY CONTR	COMPANY CONTRACTING THIS WORK (If applicable) AMEC 2677 By FORD Huy A	t applicable) HE 1944 64 35324	32Y	D) STISOG AW) SUO MSS AO (GNEONS			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	RS SUBMITTED
SAMPLE	TIME	SAMPLE IDENTIFICATION	7	AQŪE		MBER OF CONT	NUMBER OF CONTAINERS SUBMITTED	REMARKS	KS
/4c1/2/	090 5	5-8-4		スス	タ				
41/2/	-5 Ohbo	Bis		×	l.		680		
1	0943 5-	3 . 6		x U	×		-1080		
py101/21	-8-8 17.80	3-7		ゃ	×)73 C		i
10/01/2)	\$605 S-B-	B-8		k E	Ŀ		hain d		
							of Cus		
							stody		
REMINDUISMED BY	(SIGNATURE)	DATE TIME	RELINQUISHED BY: (SIGNATURE) ${\cal A}$	ATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: 19	(ATURE)	1/2	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
2/				LABORATORY USE ONLY	JSE ONLY				
RECEIVED FOR TABGRATORY BY: (SIGNATURE)	BORATORY BY:	DATE TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS	REMARKS		
4	- - -)		-				TAL 8240-680 (4008)

Serial Number 90963

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

ordatori domini, reatori	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td>	N/A
The cooler's custody seal, if present, is intact.	True
Sample custody seals, if present, are intact.	True
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	False
Cooler Temperature is acceptable.	N/A
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	True
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time.	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	N/A
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A
Multiphasic samples are not present.	True
Samples do not require splitting or compositing.	True
Residual Chlorine Checked.	N/A

TestAmerica Savannah

Л

6

ا

9

. .

11

Certification Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

10

11



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 relea

Authorized for release by: 12/12/2014 1:58:29 PM

Lisa Harvey, Project Manager II (912)354-7858 e.3221

lisa.harvey@testamericainc.com

..... LINKS

Review your project results through
Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

Δ

E

6

7

ŏ

10

11

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.

Practical Quantitation Limit

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Quality Control

Relative error ratio

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

ND PQL

QC RER

RL

RPD

TEF

TEQ

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)					

Sample Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

3

4

6

8

9

10

11

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: S-B-9

Date Collected: 12/11/14 09:10

Date Received: 12/11/14 10:40

Lead

TestAmerica Job ID: 680-108122-1

Lab Sample ID: 680-108122-1

12/11/14 12:11 12/11/14 19:20

Matrix: Solid

Percent Solids: 84.6

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

0.56 mg/Kg

7.1

5

6

0

9

4 4

4.0

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: S-B-10

Date Collected: 12/11/14 09:13

Date Received: 12/11/14 10:40

TestAmerica Job ID: 680-108122-1

Lab Sample ID: 680-108122-2

Matrix: Solid

Percent Solids: 89.0

Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL 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

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: S-B-11

TestAmerica Job ID: 680-108122-1

Lab Sample ID: 680-108122-3

Percent Solids: 93.1

Date Collected: 12/11/14 09:18 Matrix: Solid Date Received: 12/11/14 10:40

Method: 6010C - Metals (ICP) Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac ₩ Lead 12 0.97 0.51 mg/Kg 12/11/14 12:11 12/11/14 18:57

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

TestAmerica Job ID: 680-108122-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Limits

80 - 120

%Rec.

Prep Type: Total/NA **Prep Batch: 362796**

Prep Type: Total/NA **Prep Batch: 362796**

Client Sample ID: S-B-11

Prep Type: Total/NA

Prep Batch: 362796

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-362796/1-A

Matrix: Solid

Analysis Batch: 363003

MR	MR	

Sample Sample

Result Qualifier

12

RL MDL Unit Result Qualifier D Prepared Analyzed Dil Fac Analyte 0.90 0.48 mg/Kg 12/11/14 12:11 12/11/14 18:48 Lead 0.48 U

Spike

Added

47.9

Lab Sample ID: LCS 680-362796/2-A

Matrix. Solid	
Analysis Batch: 363003	

Analyte

Lead			
_	0		

Lab Sample ID: 680-108122-3 MS **Matrix: Solid**

Analysis Batch: 363003

Analyte	
Lead	

Lab Sample ID: 680-108122-3 MSD

Matrix: Solid

Analysis Batch: 363003

7 maryone Baterin Cocce			
	Sample	Sample	
Analyto	Pocult	Qualifier	

Spike Added 12 47.9 Lead

LCS LCS Spike Added Result Qualifier Unit 45.0 mg/Kg

44.2

MS MS Result Qualifier 67.8

MSD MSD

64.9

Result Qualifier

Unit mg/Kg

Unit

mg/Kg

Ö

D

D %Rec Limits 117

%Rec

111

%Rec

98

75 _ 125 Client Sample ID: S-B-11

Prep Type: Total/NA **Prep Batch: 362796**

%Rec. RPD

Limits Limit 75 - 125 20

TestAmerica Savannah

QC Association Summary

 ${\bf Client: AMEC\ Environment\ \&\ Infrastructure,\ Inc.}$

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	

9

4

5

7

8

40

Client: AMEC Environment & Infrastructure, Inc.

Project/Site: Rheem - Brampton Rd.

Client Sample ID: S-B-9

Lab Sample ID: 680-108122-1

Date Collected: 12/11/14 09:10 **Matrix: Solid** Date Received: 12/11/14 10:40 Percent Solids: 84.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrum	6010C ent ID: ICPE		1	1.11 g	100 mL	363003	12/11/14 19:20	BCB	TAL SAV
Total/NA	Analysis Instrum	Moisture ent ID: NOEQUIP		1			362785	12/11/14 10:58	HML	TAL SAV

Lab Sample ID: 680-108122-2 Client Sample ID: S-B-10

Date Collected: 12/11/14 09:13

Matrix: Solid Date Received: 12/11/14 10:40 Percent Solids: 89.0

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Lab Analyst Total/NA Prep 3050B 1.07 g 100 mL 362796 12/11/14 12:11 CRW TAL SAV Total/NA 363003 12/11/14 19:25 TAL SAV 6010C 1.07 g 100 mL **BCB** Analysis 1 Instrument ID: ICPE Total/NA Analysis HML TAL SAV Moisture 362785 12/11/14 10:58 Instrument ID: NOEQUIP

Client Sample ID: S-B-11 Lab Sample ID: 680-108122-3

Date Collected: 12/11/14 09:18 Date Received: 12/11/14 10:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Instrume	6010C ent ID: ICPE		1	1.11 g	100 mL	363003	12/11/14 18:57	BCB	TAL SAV
Total/NA	Analysis Instrume	Moisture ent ID: NOEQUIP		1			362785	12/11/14 10:58	HML	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Matrix: Solid

Percent Solids: 93.1

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

oreator. Conner, Reaton		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

6

9

10

11

Certification Summary

 $\label{limit} \textbf{Client: AMEC Environment \& Infrastructure, Inc.}$

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

3

A

5

7

9

10

11

Analytical Report 513418

for **AMEC Foster Wheeler**

Project Manager: Chuck Ferry
139 Brampton Road
6121090220
01-SEP-15

Collected By: Client





6017 Financial Dr., Norcross, GA 30071 Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122): Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054) Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135) Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





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.

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



CASE NARRATIVE



Client Name: AMEC Foster Wheeler Project Name: 139 Brampton Road

 Project ID:
 6121090220
 Report Date:
 01-SEP-15

 Work Order Number(s):
 513418
 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

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

ParameterCas NumberResultUnitsAnalysis DateFlagDilMethane74-82-80.00323mg/L08.19.15 10.071

Analytical Method : TOC by SM 5310C

Seq Number 974857

Prep Method: SM5310P

% Moisture:

Date Prep: 08.17.15 10.23

ParameterCas NumberResultUnitsAnalysis DateFlagDilTotal Organic Carbon7440-44-01.31mg/L08.17.15 16.061

Sample Id: EW-2 Matrix: Ground Water

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

% Moisture:

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 Prep Method: SW5030B

Seq Number 974870 Date Prep: 08.18.15 10.57

ParameterCas NumberResultUnitsAnalysis DateFlagDilAcetone67-64-15.04ug/L08.18.15 17.461





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

% Moisture:

Sample Id: EW-4 Matrix: Ground Water

Lab Sample Id : 513418-004 Date Collected : 08.11.15 14.50
Date Received : 08.14.15 11.15

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5030B

Seq Number 974691 Date Prep: 08.17.15 08.05

Parameter Cas Number Units **Analysis Date** Flag Result Dil 75-71-8 3.04 08.17.15 14.06 1 Dichlorodifluoromethane ug/L Trichlorofluoromethane 75-69-4 ug/L 08.17.15 14.06 3.36 1

Sample Id: EW-5 Matrix: Ground Water % Moisture:

Lab Sample Id: 513418-005 Date Collected: 08.12.15 16.00

Date Received: 08.14.15 11.15

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5030B

Seq Number 974691 Date Prep: 08.17.15 08.05

ParameterCas NumberResultUnitsAnalysis DateFlagDilAcetone67-64-16.22ug/L08.17.15 14.291

Sample Id: EW-6 Matrix: Ground Water % Moisture:

Lab Sample Id: 513418-006 Date Collected: 08.12.15 15.10

Date Received: 08.14.15 11.15

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5030B

Seq Number 974691 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 Matrix: Ground Water % Moisture:

Lab Sample Id : 513418-007 Date Collected : 08.12.15 14.30 Date Received : 08.14.15 11.15

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5030B

Seq Number 974691 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

% Moisture:

Sample Id: W-5 Matrix: Ground Water

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

ParameterCas NumberResultUnitsAnalysis DateFlagDilFerrous IronIRON II0.160mg/L08.14.15 11.001

Analytical Method: Hydrocarbon Gases by Mod. RSK 175

Seq Number 974849

ParameterCas NumberResultUnitsAnalysis DateFlagDilMethane74-82-80.0286mg/L08.19.15 10.091

Analytical Method : TOC by SM 5310C Prep Method: SM5310P

Seq Number 974857 Date Prep: 08.17.15 10.23

ParameterCas NumberResultUnitsAnalysis DateFlagDilTotal Organic Carbon7440-44-05.44mg/L08.17.15 16.181

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5030B

Seq Number 974691 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

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

ParameterCas NumberResultUnitsAnalysis DateFlagDilMethane74-82-80.00277mg/L08.19.15 10.121

Analytical Method: TOC by SM 5310C

Seq Number 974857

Prep Method: SM5310P

% Moisture:

Date Prep: 08.17.15 10.23

ParameterCas NumberResultUnitsAnalysis DateFlagDilTotal Organic Carbon7440-44-01.31mg/L08.17.15 16.301

Sample Id: GW-10 Matrix: Ground Water

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

% Moisture:

Date Prep: 08.18.15 10.57

Analysis Date Parameter Cas Number Result Units Flag Dil cis-1,2-Dichloroethene 08.18.15 16.11 1 156-59-2 ug/L 1.23 Tetrachloroethene 08.18.15 16.11 127-18-4 4.44 ug/L 1 Trichloroethene 79-01-6 3.00 ug/L 08.18.15 16.11

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

ParameterCas NumberResultUnitsAnalysis DateFlagDilTotal Organic Carbon7440-44-0331mg/kg08.19.15 15.001



Hits Summary 513418



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

ParameterCas NumberResultUnitsAnalysis DateFlagDilTotal Organic Carbon7440-44-02420mg/kg08.19.15 15.001

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

Parameter	Cas Number Ro		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 Matrix:

Ground Water

Date Received:08.14.15 11.15

Lab Sample Id: 513418-001

Date Collected: 08.13.15 15.35

Prep Method: SM5310P

% Moisture:

Tech:

Analytical Method: TOC by SM 5310C **BHRE**

08.17.15 10.23

BHRE

Date Prep:

SUB: E871002

Parameter Total Organic Carbon

Analyst:

Seq Number: 974857

Result Cas Number RLUnits **Analysis Date** Flag Dil 7440-44-0 1.31 1.00 mg/L 08.17.15 16.06 1

Analytical Method: Alkalinity by SM2320B

Tech:

DAM

NSI Analyst:

Seq Number: 974750

Parameter Alkalinity, Total (CaCO3) Result

RLBRL 4.00 Units

mg/L

% Moisture:

Flag

Analysis Date Dil 08.18.15 09.00 U

Analytical Method: Ferrous Iron by SM3500

Tech:

Parameter

NSI

NSI Analyst:

Seq Number: 974620

Ferrous Iron

Result

Cas Number

Cas Number

IRON II

RL0.0500

BRL

BRL

Page 11 of 70

0.0020

Units mg/L

mg/L

Analysis Date

08.14.15 11.00

% Moisture:

Flag

U

U

Dil

1

Flag Dil U

Analytical Method: Hydrocarbon Gases by Mod. RSK 175

Tech:

Ethene

MWE

MWE Analyst:

Seq Number: 974849

Parameter Cas Number Result RLUnits Methane 74-82-8 0.00323 0.00200 mg/L BRL Ethane 74-84-0 0.00200 mg/L

74-85-1

% Moisture:

Analysis Date

08.19.15 10.07

08.19.15 10.07

08.19.15 10.07





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: EW-1 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-001 Date Collected: 08.13.15 15.35

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

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	179601-23-1 79-20-9	BRL BRL	2.00 2.00	ug/L ug/L	08.18.15 16.59 08.18.15 16.59	U U	1 1





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: EW-1 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-001 Date Collected: 08.13.15 15.35

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-002 Date Collected: 08.11.15 13.40

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

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





Date Received:08.14.15 11.15

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: EW-2 Matrix: Ground Water

Lab Sample Id: 513418-002 Date Collected: 08.11.15 13.40

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-003 Date Collected: 08.11.15 15.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-003 Date Collected: 08.11.15 15.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-004 Date Collected: 08.11.15 14.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

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





Date Received:08.14.15 11.15

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: EW-4 Matrix: Ground Water

Lab Sample Id: 513418-004 Date Collected: 08.11.15 14.50

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Parameter	Cas Number	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-005 Date Collected: 08.12.15 16.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

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





Date Received:08.14.15 11.15

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: EW-5 Matrix: Ground Water

Lab Sample Id: 513418-005 Date Collected: 08.12.15 16.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-006 Date Collected: 08.12.15 15.10

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

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





Date Received:08.14.15 11.15

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: EW-6 Matrix: Ground Water

Lab Sample Id: 513418-006 Date Collected: 08.12.15 15.10

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-007 Date Collected: 08.12.15 14.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-007 Date Collected: 08.12.15 14.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Parameter	Cas Number	r 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 Matrix:

Ground Water

Date Received:08.14.15 11.15

Lab Sample Id: 513418-008

Date Collected: 08.13.15 14.25

Prep Method: SM5310P

% Moisture:

Tech:

Analytical Method: TOC by SM 5310C **BHRE**

Analyst: Seq Number: 974857

BHRE

Date Prep: 08.17.15 10.23

SUB: E871002

Parameter Cas Number Result Flag RLUnits **Analysis Date** Dil **Total Organic Carbon** 7440-44-0 5.44 1.00 mg/L 08.17.15 16.18 1

Analytical Method: Alkalinity by SM2320B

DAM Tech:

NSI

Analyst:

% Moisture:

% Moisture:

% Moisture:

Seq Number: 974750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Alkalinity, Total (CaCO3)		BRL	4.00	mg/L	08.18.15 09.00	U	1

Analytical Method: Ferrous Iron by SM3500

NSI Tech:

Analyst: NSI

Seq Number: 974620

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Ferrous Iron	IRON II	0.160	0.0500	mg/L	08.14.15 11.00		1

Analytical Method: Hydrocarbon Gases by Mod. RSK 175

MWE Tech:

Analyst:

MWE

Seq Number: 974849

Parameter Cas Number Result RLUnits Flag Dil **Analysis Date** Methane 74-82-8 0.0286 0.00200 mg/L 08.19.15 10.09 BRL 08.19.15 10.09 Ethane 74-84-0 0.00200 mg/L U 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-008 Date Collected: 08.13.15 14.25

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-008 Date Collected: 08.13.15 14.25

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Parameter	Cas Number	r 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 Matrix:

Ground Water

Date Received:08.14.15 11.15

Lab Sample Id: 513418-009

Date Collected: 08.13.15 12.00

Prep Method: SM5310P

Tech:

Analytical Method: TOC by SM 5310C **BHRE**

Analyst:

BHRE

Date Prep:

08.17.15 10.23

SUB: E871002

% Moisture:

% Moisture:

% Moisture:

% Moisture:

Analyst:

Seq Number: 974857

Parameter Cas Number Result Flag RLUnits **Analysis Date** Dil **Total Organic Carbon** 7440-44-0 1.31 1.00 mg/L 08.17.15 16.30 1

Analytical Method: Alkalinity by SM2320B

DAM Tech:

NSI

Seq Number: 974750

Parameter	Cas Number	Result	RL	Uni	its	Analysis Date	Flag	Dil
Alkalinity, Total (CaCO3)		BRL	4.00	mg	;/L	08.18.15 09.00	U	1

Analytical Method: Ferrous Iron by SM3500

NSI Tech:

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

MWE Tech:

Analyst:

MWE

Seq Number: 974849

Parameter Cas Number Result RLUnits Flag Dil **Analysis Date** Methane 74-82-8 0.00277 0.00200 mg/L 08.19.15 10.12 BRL 08.19.15 10.12 Ethane 74-84-0 0.00200 mg/L U 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-009 Date Collected: 08.13.15 12.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-009 Date Collected: 08.13.15 12.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-010 Date Collected: 08.12.15 12.25

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

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





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: GW-4 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-010 Date Collected: 08.12.15 12.25

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-011 Date Collected: 08.12.15 11.20

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

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





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: GW-5 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-011 Date Collected: 08.12.15 11.20

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.17.15 08.05

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-012 Date Collected: 08.13.15 13.35

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-012 Date Collected: 08.13.15 13.35

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Parameter	Cas Numbe	r 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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-013 Date Collected: 08.12.15 10.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

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 Matrix: Ground Water Date Received:08.14.15 11.15

Lab Sample Id: 513418-013 Date Collected: 08.12.15 10.30

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 08.18.15 10.57

Parameter	Cas Numbe	r 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		





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: HA-1 Matrix: Soil Date Received:08.14.15 11.15

Lab Sample Id: 513418-014 Date Collected: 08.13.15 15.20 Sample Depth: 2 ft

Analytical Method: TOC in Soils by Walkley Black

Tech: DHE % Moisture: 9.35

Analyst: DHE Basis: Dry Weight

Seq Number: 974946 SUB: E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	331	0.552	mg/kg	08.19.15 15.00		1





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: HA-2 Matrix: Soil Date Received:08.14.15 11.15

Lab Sample Id: 513418-015 Date Collected: 08.13.15 14.30 Sample Depth: 2 ft

Analytical Method: TOC in Soils by Walkley Black

Tech: DHE % Moisture: 14.15
Analyst: DHE Basis: Dry Weight

Seq Number: 974946 SUB: E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	2420	0.582	mg/kg	08.19.15 15.00		1





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: HA-3 Matrix: Soil Date Received:08.14.15 11.15

Lab Sample Id: 513418-016 Date Collected: 08.13.15 12.15 Sample Depth: 2 ft

Analytical Method: TOC in Soils by Walkley Black

Tech: DHE % Moisture: 26.85
Analyst: DHE Basis: Dry Weight

Seq Number: 974946 SUB: E871002

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Organic Carbon	7440-44-0	19000	0.684	mg/kg	08.19.15 15.00		1





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

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

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00		ug/L	08.18.15 16.35	U	1
Methylene chloride	75-09-2	BRL	1.00		ug/L	08.18.15 16.35	U	1
o-Xylene	95-47-6	BRL	1.00		ug/L	08.18.15 16.35	U	1
Styrene	100-42-5	BRL	1.00		ug/L	08.18.15 16.35	U	1
Tetrachloroethene	127-18-4	BRL	1.00		ug/L	08.18.15 16.35	U	1
Toluene	108-88-3	BRL	1.00		ug/L	08.18.15 16.35	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00		ug/L	08.18.15 16.35	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00		ug/L	08.18.15 16.35	U	1
Trichloroethene	79-01-6	BRL	1.00		ug/L	08.18.15 16.35	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00		ug/L	08.18.15 16.35	U	1
Vinyl chloride	75-01-4	BRL	1.00		ug/L	08.18.15 16.35	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,2-Dichloroethane-D4		17060-07-0	132	%	53-159	08.18.15 16.35		
4-Bromofluorobenzene		460-00-4	100	%	30-186	08.18.15 16.35		
Toluene-D8		2037-26-5	110	%	70-130	08.18.15 16.35		



Flagging Criteria



- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- **RL** Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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 - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

	Phone	Fax
4143 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	





AMEC Foster Wheeler

139 Brampton Road

Analytical Method: TOC by SM 5310C Prep Method: SM5310P

Seq Number: 974857 Matrix: Water Date Prep: 08.17.15

MB Sample Id: 696834-1-BLK LCS Sample Id: 696834-1-BKS LCSD Sample Id: 696834-1-BSD

%RPD MB Spike LCS LCS Limits **RPD** LCSD LCSD Units Analysis Flag **Parameter** Result Limit Date Result Amount %Rec Result %Rec 20 08.17.15 15:43 Total Organic Carbon 0.188 5.00 5.26 105 5.28 106 90-110 0 mg/L

Analytical Method: TOC by SM 5310C Prep Method: SM5310P

 Seq Number:
 974857
 Matrix:
 Ground Water
 Date Prep:
 08.17.15

 Parent Sample Id:
 513272-007
 MS Sample Id:
 513272-007 S
 MSD Sample Id:
 513272-007 SD

Parent MS MS %RPD RPD Spike **MSD MSD** Limits Units Analysis Flag **Parameter** Result %Rec Limit Date Result Amount Result %Rec

Total Organic Carbon 3.14 5.00 8.09 99 8.27 103 90-110 2 20 mg/L 08.18.15 15:39

Analytical Method: TOC by SM 5310C Prep Method: SM5310P

 Seq Number:
 974857
 Matrix:
 Ground Water
 Date Prep:
 08.17.15

 Parent Sample Id:
 513347-004
 MS Sample Id:
 513347-004 S
 MSD Sample Id:
 513347-004 SD

MS **RPD** Parent Spike MS **MSD MSD** Limits %RPD Units Analysis Flag **Parameter** Limit Result Date Result %Rec Amount Result %Rec mg/L 08.18.15 17:38 Total Organic Carbon 1.76 5.00 9.03 145 9.15 148 90-110 20 X

Analytical Method: Alkalinity by SM2320B

Seq Number: 974750 Matrix: Water

MB Sample Id: 974750-1-BLK LCS Sample Id: 974750-1-BKS LCSD Sample Id: 974750-1-BSD

%RPD **RPD** MB Spike LCS LCS LCSD Limits Units Analysis LCSD Flag **Parameter** Result Amount Result %Rec Limit Date Result %Rec Alkalinity, Total (CaCO3) < 0.954 69.0 68.0 99 69.0 100 80-120 20 08.18.15 09:00 1 mg/L

Analytical Method: Alkalinity by SM2320B

Seq Number: 974750 Matrix: Ground Water Parent Sample Id: 513475-001 MD Sample Id: 513475-001 D

Parent MD %RPD **RPD** Units Analysis Flag Parameter Result Result Limit Date Alkalinity, Total (CaCO3) 110 110 0 20 mg/L 08.18.15 09:00

Analytical Method: Ferrous Iron by SM3500

Seq Number: 974620 Matrix: Water

MB Sample Id: 974620-1-BLK





Flag

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: Ferrous Iron by SM3500

Seq Number: 974620 Matrix: Ground Water Parent Sample Id: 513418-001 MD Sample Id: 513418-001 D

MD Parent %RPD **RPD** Units Analysis Flag **Parameter** Result Result Limit Date Ferrous Iron < 0.0500 < 0.0500 0 25 08.14.15 11:00 mg/L 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

MB Spike LCS LCS Limits %RPD RPD Units LCSD LCSD Analysis Flag **Parameter** Result %Rec Limit Date Result Amount Result %Rec Methane < 0.00187 0.0886 0.0759 86 0.0767 87 41-112 1 20 08.19.15 09:58 mg/L Ethane 0.181 0.144 80 0.154 85 42-107 7 20 mg/L 08.19.15 09:58 < 0.00203 85 31-107 0 20 08.19.15 09:58 Ethene < 0.0020 0.13 0.11 0.11 85 mg/L

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

MS %RPD RPD Parent Spike MS Limits Units Analysis **MSD MSD Parameter** Result Amount Result %Rec Limit Date Result %Rec 0.0783 20 08.19.15 10:14 Methane 0.00323 0.0886 85 0.0763 82 41-112 3 mg/L Ethane < 0.00203 0.181 0.168 93 0.163 90 42-107 3 20 08.19.15 10:14 mg/L Ethene < 0.0020 0.13 0.12 92 0.11 31-107 9 20 mg/L 08.19.15 10:14 85

Analytical Method: Percent Moisture

Seq Number: 974641 Matrix: Solid

MB Sample Id: 974641-1-BLK

ParameterMB ResultUnits DateAnalysis DateFlagPercent MoistureBRL% 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

MD %RPD Parent **RPD** Units Analysis Flag **Parameter** Result Result Limit Date Percent Moisture 9.35 9.42 1 20 % 08.17.15 10:42





AMEC Foster Wheeler

139 Brampton Road

Analytical Method: TOC in Soils by Walkley Black

Seq Number: 974946 Matrix: Solid

MB Sample Id: 974946-1-BLK LCS Sample Id: 974946-1-BSD LCSD Sample Id: 974946-1-BSD

%RPD LCS RPD MB Spike LCS LCSD Limits Units Analysis LCSD Flag **Parameter** Result Result %Rec Limit Date Amount %Rec Result Total Organic Carbon < 0.250 1000 889 89 889 89 70-130 0 30 08.19.15 15:00 mg/kg

Analytical Method: TOC in Soils by Walkley Black

Seq Number: 974946 Matrix: Soil

Parent Sample Id: 513418-014 MD Sample Id: 513418-014 D

MD %RPD RPD Parent Units Analysis Flag **Parameter** Result Limit Date Result Total Organic Carbon 331 349 5 30 mg/kg 08.19.15 15:00





AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5030B Matrix: Water Date Prep:

Seq Number: 974691 08.17.15 MB Sample Id: LCS Sample Id: 696725-1-BKS LCSD Sample Id: 696725-1-BSD 696725-1-BLK

MB Sample Id: 090/23-1-	-DLK		LCS Sai	npic iu.	070723-1-	DIZO		LCS	D Sample	iu. 070	723-1-030	
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	< 0.110	50.0	48.3	97	46.4	93	70-125	4	20	ug/L 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 ug/L	08.17.15 09:26	
, J		20.0			,			Ü				





AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Seq Number:974691Matrix:WaterDate Prep:08.17.15MB Sample Id:696725-1-BLKLCS Sample Id:696725-1-BKSLCSD 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





AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Seq Number:974870Matrix:WaterDate Prep:08.18.15MB Sample Id:696844-1-BLKLCS Sample Id:696844-1-BKSLCSD Sample Id:696844-1-BSD

WID Sample Id. 090044-1-	DLK	~			0,001.1	2110						
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 ug/L	08.18.15 11:47	
Trichloroethene	<0.110	50.0	46.1	92	46.1	92	70-125	0	20	ug/L ug/L	08.18.15 11:47	
Trichlorofluoromethane	<0.530	50.0	63.1	126	64.3	129	60-145	2	20	ug/L 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 ug/L	08.18.15 11:47	
, myr emoride	\U.17U	30.0	31.1	117	50.9	114	JU 17J	J	20	ug/L	30.10.10 11.47	



Seq Number:

QC Summary 513418



AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B 974870

Matrix: Water

Prep Method: SW5030B 08.18.15 Date Prep:

MB Sample Id: 696844-1-BLK LCS Sample Id: 696844-1-BKS

LCSD Sample Id: 696844-1-BSD

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	126		118		115		53-159	%	08.18.15 11:47
4-Bromofluorobenzene	100		97		99		30-186	%	08.18.15 11:47
Toluene-D8	109		105		106		70-130	%	08.18.15 11:47





SW5030B

Prep Method:

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

 Seq Number:
 974691
 Matrix:
 Ground Water
 Date Prep:
 08.17.15

 Parent Sample Id:
 513418-010
 MS Sample Id:
 513418-010 S
 MSD Sample Id:
 513418-010 SD

Spike MS MS %RPD RPD Parent **MSD MSD** Limits Units Analysis Flag **Parameter** Result Result Amount %Rec Limit Date Result %Rec ug/L 08.17.15 19:13 1,1,1-Trichloroethane < 0.160 50.0 49.2 98 49.0 98 59-138 0 20 98 08.17.15 19:13 1,1,2,2-Tetrachloroethane 49.2 48.3 97 2 20 < 0.180 50.0 63-126 ug/L $1,1,2\hbox{-}Trichloro\hbox{-}1,2,2\hbox{-}Trifluoroethane$ < 0.110 50.0 53.4 107 52.2 104 53-138 2 20 ug/L 08.17.15 19:13 49.8 0 08.17.15 19:13 1,1,2-Trichloroethane < 0.250 50.0 50.0 100 100 72-115 20 ug/L 1,1-Dichloroethane 50.0 55.0 110 53.6 107 69-132 3 20 08.17.15 19:13 < 0.110 ug/L 08.17.15 19:13 52.1 1,1-Dichloroethene 50.0 52.8 106 104 62-131 1 20 < 0.200 ug/L 47.9 08.17.15 19:13 1,2,4-Trichlorobenzene < 0.170 50.0 49.0 98 96 34-131 2 20 ug/L 1,2-Dibromo-3-chloropropane (DBCP) 50.0 41.9 84 41.4 83 53-121 1 20 08.17.15 19:13 < 0.190 ug/L 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 20 08.17.15 19:13 50.0 46.5 93 46.1 92 58-124 < 0.140 1 ug/L 20 08.17.15 19:13 1,2-Dichloroethane < 0.180 50.0 52.0 104 52.4 105 55-141 1 ug/L 50.0 47.2 94 47.6 95 78-121 20 08.17.15 19:13 1,2-Dichloropropane < 0.150 1 ug/L ug/L 1,3-Dichlorobenzene < 0.170 50.0 46.6 93 45.4 91 62-120 3 20 08.17.15 19:13 08.17.15 19:13 50.0 44.9 90 44.3 20 ug/L 1.4-Dichlorobenzene < 0.170 89 64-114 1 974 08.17.15 19:13 1,4-Dioxane < 8.84 1000 980 98 97 11-185 1 20 ug/L 2-Butanone (MEK) < 0.280 100 113 113 111 111 50-152 2 20 08.17.15 19:13 ug/L 2-Hexanone < 0.320 100 118 118 118 118 55-136 0 20 ug/L 08.17.15 19:13 08.17.15 19:13 4-Methyl-2-pentanone (MIBK) 111 111 109 109 65-132 2 20 < 0.260 100 ug/L 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 ug/L 08.17.15 19:13 < 0.250 50.0 44.8 90 44.5 89 68-125 1 20 50.0 40.3 81 40.9 53-112 20 08.17.15 19:13 Bromoform < 0.170 82 1 ug/L 42.7 08 17 15 19:13 Bromomethane < 0.250 50.0 42.5 85 85 63-137 0 20 ug/L 44.7 89 45.8 92 26-147 2 20 08.17.15 19:13 Carbon disulfide < 0.260 50.0 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 47.3 95 93 2 20 ug/L 08.17.15 19:13 Chlorobenzene 50.0 46.5 71-114 < 0.150 50.0 42.5 85 41.0 82 60-137 20 08.17.15 19:13 Chloroethane < 0.260 4 ug/L Chloroform < 0.160 50.0 50.2 100 49.9 100 65-131 1 20 ug/L 08.17.15 19:13 08.17.15 19:13 Chloromethane < 0.250 50.0 37.8 76 35.8 72 48-151 5 20 ug/L 50.0 47.1 22-185 20 ug/L 08.17.15 19:13 cis-1,2-Dichloroethene < 0.210 94 46.6 93 1 08.17.15 19:13 50.0 43.5 87 44.5 89 67-113 20 cis-1,3-Dichloropropene < 0.100 2 ug/L < 0.150 50.0 48.4 97 47.3 95 61-141 2 20 08.17.15 19:13 Cyclohexane ug/L 90 92 2 08.17.15 19:13 Dibromochloromethane < 0.150 50.0 45.0 46.1 53-125 20 ug/L Dichlorodifluoromethane 50.0 53 25.2 50 38-145 5 20 ug/L 08.17.15 19:13 < 0.220 26.6 Ethylbenzene 20 08.17.15 19:13 < 0.190 47.0 94 46.7 93 66-127 50.0 1 ug/L Isopropylbenzene < 0.150 50.0 42.9 86 42.6 85 58-127 1 20 ug/L 08.17.15 19:13 95 08.17.15 19:13 m,p-Xylenes < 0.510 100 94.5 94.0 94 65-126 1 20 ug/L 50.0 58.2 116 59.0 20 ug/L 08.17.15 19:13 Methyl acetate < 0.260 118 65-135 1 08.17.15 19:13 105 105 103 103 2 20 Methyl tert-butyl ether < 0.180 100 58-141 ug/L Methylcyclohexane < 0.110 50.0 46.6 93 45.7 91 64-128 2 20 08.17.15 19:13 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 o-Xylene 50.0 46.7 93 46.0 92 64-123 2 20 08.17.15 19:13 < 0.200 ug/L 97 47.5 95 20 08.17.15 19:13 Styrene 50.0 48.4 50-133 2 ug/L < 0.180Tetrachloroethene < 0.160 50.0 41.3 83 41.5 83 52-125 0 20 ug/L 08.17.15 19:13 45.3 08.17.15 19:13 Toluene < 0.140 50.0 45.9 92 91 65-123 1 20 ug/L trans-1.2-Dichloroethene < 0.210 50.0 56.8 114 56.4 65-135 20 08.17.15 19:13 113 1 ug/L trans-1,3-Dichloropropene 50.0 39.5 79 40.0 80 50-125 20 08.17.15 19:13 < 0.110 1 ug/L Trichloroethene < 0.190 50.0 45.4 91 45.1 90 65-125 1 20 ug/L 08.17.15 19:13 Trichlorofluoromethane < 0.530 50.0 49.7 99 48.9 98 51-145 2 20 ug/L 08.17.15 19:13 Vinyl chloride < 0.190 50.0 41.6 83 41.1 82 52-140 1 20 ug/L 08.17.15 19:13





AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5030B 974691 Seq Number: Matrix: Ground Water Date Prep: 08.17.15 Parent Sample Id: 513418-010 MS Sample Id: 513418-010 S MSD Sample Id: 513418-010 SD

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	115		113		53-159	%	08.17.15 19:13
4-Bromofluorobenzene	97		97		30-186	%	08.17.15 19:13
Toluene-D8	102		104		70-130	%	08.17.15 19:13



Seq Number:

QC Summary 513418



AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B 974870

Prep Method: SW5030B Matrix: Ground Water

Parent Sample Id: 513418-013

Date Prep: 08.18.15 MS Sample Id: 513418-013 S MSD Sample Id: 513418-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	< 0.160	50.0	56.9	114	52.5	105	59-138	8	20	ug/L	08.18.15 21:48	
1,1,2,2-Tetrachloroethane	< 0.180	50.0	48.3	97	49.3	99	63-126	2	20	ug/L	08.18.15 21:48	
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 0.110	50.0	61.0	122	58.4	117	53-138	4	20	ug/L	08.18.15 21:48	
1,1,2-Trichloroethane	< 0.250	50.0	49.7	99	49.4	99	72-115	1	20	ug/L	08.18.15 21:48	
1,1-Dichloroethane	< 0.110	50.0	63.7	127	60.4	121	69-132	5	20	ug/L	08.18.15 21:48	
1,1-Dichloroethene	< 0.200	50.0	58.2	116	57.3	115	62-131	2	20	ug/L	08.18.15 21:48	
1,2,4-Trichlorobenzene	< 0.170	50.0	48.7	97	48.0	96	34-131	1	20	ug/L	08.18.15 21:48	
1,2-Dibromo-3-chloropropane (DBCP)	< 0.190	50.0	43.9	88	43.8	88	53-121	0	20	ug/L	08.18.15 21:48	
1,2-Dibromoethane (EDB)	< 0.180	50.0	51.4	103	50.2	100	66-125	2	20	ug/L	08.18.15 21:48	
1,2-Dichlorobenzene	< 0.140	50.0	48.0	96	46.9	94	58-124	2	20	ug/L	08.18.15 21:48	
1,2-Dichloroethane	< 0.180	50.0	62.3	125	58.7	117	55-141	6	20	ug/L	08.18.15 21:48	
1,2-Dichloropropane	< 0.150	50.0	49.8	100	48.5	97	78-121	3	20	ug/L	08.18.15 21:48	
1,3-Dichlorobenzene	< 0.170	50.0	47.5	95	46.4	93	62-120	2	20	ug/L	08.18.15 21:48	
1,4-Dichlorobenzene	< 0.170	50.0	46.3	93	45.0	90	64-114	3	20	ug/L	08.18.15 21:48	
1,4-Dioxane	< 8.84	1000	996	100	978	98	11-185	2	20	ug/L	08.18.15 21:48	
2-Butanone (MEK)	< 0.280	100	122	122	123	123	50-152	1	20	ug/L	08.18.15 21:48	
2-Hexanone	< 0.320	100	127	127	124	124	55-136	2	20	ug/L	08.18.15 21:48	
4-Methyl-2-pentanone (MIBK)	< 0.260	100	122	122	120	120	65-132	2	20	ug/L	08.18.15 21:48	
Acetone	< 0.350	100	143	143	136	136	40-140	5	20	ug/L	08.18.15 21:48	X
Benzene	< 0.160	50.0	47.0	94	44.1	88	77-118	6	20	ug/L	08.18.15 21:48	
Bromodichloromethane	< 0.250	50.0	50.7	101	47.4	95	68-125	7	20	ug/L ug/L	08.18.15 21:48	
Bromoform	< 0.170	50.0	43.4	87	42.4	85	53-112	2	20	ug/L ug/L	08.18.15 21:48	
Bromomethane	<0.250	50.0	35.8	72	41.1	82	63-137	14	20	ug/L 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 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 ug/L	08.18.15 21:48	
Chlorobenzene	< 0.150	50.0	48.3	97	46.3	93	71-114	4	20	ug/L ug/L	08.18.15 21:48	
Chloroethane	<0.150	50.0	49.3	99	54.4	109	60-137	10	20	ug/L ug/L	08.18.15 21:48	
Chloroform	< 0.160	50.0	56.0	112	51.8	104	65-131	8	20	ug/L ug/L	08.18.15 21:48	
Chloromethane	<0.100	50.0	50.4	101	52.1	104	48-151	3	20	ug/L 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 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 ug/L	08.18.15 21:48	
	<0.100	50.0	52.2	104	50.3			4	20	_	08.18.15 21:48	
Cyclohexane Dibromochloromethane	<0.150	50.0	49.3	99	30.3 47.4	101 95	61-141 53-125	4	20	ug/L	08.18.15 21:48	
Dichlorodifluoromethane	<0.130		56.6	113			38-145	3	20	ug/L	08.18.15 21:48	
	<0.220	50.0 50.0	49.6	99	54.7 46.7	109			20	ug/L	08.18.15 21:48	
Ethylbenzene						93	66-127	6		ug/L		
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 08.18.15 21:48	37
Methyl acetate	< 0.260	50.0	68.2	136	67.2	134		1	20	ug/L		X
Methyl tert-butyl ether	< 0.180	100	113	113	112	112		1	20	ug/L	08.18.15 21:48	
Methylcyclohexane	< 0.110	50.0	46.7	93	44.7	89	64-128	4	20	ug/L	08.18.15 21:48	
Methylene chloride	< 0.420	50.0	61.4	123	59.0	118	63-150	4	20	ug/L	08.18.15 21:48	
o-Xylene	< 0.200	50.0	47.6	95	46.3	93	64-123	3	20	ug/L	08.18.15 21:48	
Styrene	< 0.180	50.0	48.9	98	47.2	94	50-133	4	20	ug/L	08.18.15 21:48	
Tetrachloroethene	4.44	50.0	47.4	86	44.1	79	52-125	7	20	ug/L	08.18.15 21:48	
Toluene	< 0.140	50.0	46.5	93	45.0	90	65-123	3	20	ug/L	08.18.15 21:48	
trans-1,2-Dichloroethene	< 0.210	50.0	63.5	127	60.2	120	65-135	5	20	ug/L	08.18.15 21:48	
trans-1,3-Dichloropropene	< 0.110	50.0	42.5	85	40.9	82	50-125	4	20	ug/L	08.18.15 21:48	
Trichloroethene	3.00	50.0	51.1	96	48.6	91	65-125	5	20	ug/L	08.18.15 21:48	
Trichlorofluoromethane	< 0.530	50.0	68.2	136	64.4	129	51-145	6	20	ug/L	08.18.15 21:48	
Vinyl chloride	< 0.190	50.0	54.7	109	52.7	105	52-140	4	20	ug/L	08.18.15 21:48	





AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5030B 974870 Seq Number: Matrix: Ground Water Date Prep: 08.18.15 Parent Sample Id: 513418-013 MS Sample Id: 513418-013 S MSD Sample Id: 513418-013 SD

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	129		126		53-159	%	08.18.15 21:48
4-Bromofluorobenzene	99		100		30-186	%	08.18.15 21:48
Toluene-D8	102		101		70-130	%	08.18.15 21:48



XENCO LABORATORIES CHAIN OF CUSTODY

COC# ATL301313

Page _____ of ____ 6017 Financial Drive, Norcross, GA 30071

LABORATORIES				P	Phone # (770) 449-8800 Fax # (770) 449-5477
Company Name: AMEC Foster Wheeler	T Wheeler	The second secon		Receiver's Initials/Temp:	1 1,300
Address: 2677 Buford Hwy NE. Atlanta, GA 30324	tlanta, GA 3	0324			Lab Work Order # 5 13414
Results Sent to: CHXX Fron	ey skue	be Faley Distin	tim H	P.O.# (if required):	
imail address:				Field Comments / Lab Precautions:	ns:
ontact Phone #: 44 817015	X	Cell#:			
roject Name (Site): LHCom	2			пV	Analysis Requested
roject Number (ID): 6/2/096220	CC 06		Container Type:		
legulatory Program:		Validation of the Control of the Con	Chemical Preservation Code:		
Sampler(g): (signalore)		Sample	Sampler(s): (printed)		
KONOK			01-010		
e No.				OC'S	
Sample ID #	Sample Depth (Ft)	Collection Date / Time			
1 Ewal		1535 /8/13/D	6W V 9	Nil III	
2 Ew-2		13 40 8/11/15	Gw 2		
3 [w-3		1550 8/11/15	2 9		
\$ EW-4		1450 8/11/15	640 V 2		
5 68.3		1600 8/12/15	Crim 1 2		
6 126		15108/2/10	9 9		
7 627		1430 81.415	2 2 2		
8 %:5		1425 8/13/15	9	-	
\$ C ₹ 2		1260 8/13/10	2000	1	
10		1225 81/2/N	(O) 1 20		
Refunchished By:	4/0	Date / Time	2) Received By:	2 Date/Time	Delivered by: (Circle One) Fed Ex/UPS/Courier/Lab Pickup/Hand/Other
Relinquisped by:		Date / Time	4) Received By:	Date / Time	Turnaround Time (business days) TAT Starts when samples are rec'd by 2PM
) Relinquished By:		Date / Time	6) Received By:	Date / Time	10 Days ;5-7 Days;3 Days

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) Container Type: VC=Vial (Clear); VA = Vial (Amber); CC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other Chemical Preservation Codes: $1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + NaAsO_2 / 5 = NaOH + ZnAc / 6 = Na_2S_2O_3 / 7 = NaHSO_4 & MeOH / 8 = DI Water & MeOH / 8 = DI Wat$



XENCO LABORATORIES CHAIN OF CUSTODY

COC# ATL301314

Page _____ of ____ 6017 Financial Drive, Norcross, GA 30071

10 Dave: 5-7 Dave: 3 Dave	Date / Time	me 6) Received By:	Date / Time	5) Relingdished By:
Turnaround Time (business days) TAT Starts when samples are rec'd by 2PM	Date / Time	me 4) Received By:	Date / Time	3) Relinquished/By-
Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other	B/VICE INST	Fime 20 Received By	8/14/1/5 - Date / Ti	Relynquished By:
) 		10 / /
				9
				8
			Mahadadhadad Anada Anadadhadadhadad Anada Anadadhadadhadad Anadadhadadhadadhadadhadadhadadhadadhada	7
	1	113/15 5 1 1 1	1215 8	6 443
		$8hh$ $S \mid X \mid I \mid$	180 8/	5 HAZ 2
		1/13/15 1 1 1	1570/8	4 401 2
	1	81,2/13 Cm X 2	1080 811	3 6000
		113110 Com X 2	33.2	2 GW7
		12/15 OF K 2	38	- C W S
	Voc Toc	Matrix (See below) Composite Grab Containers	Sample Collection Depth (Ft) Date / Time	Line No. Sample ID #
	-5	BUL CHOO	6660 washington	1001/1/010
		Ä		Sampler(s)://signature)
		Chemical Preservation Codes		Regulatory Program:
		Container Type:	0770	Project Number (ID): 6(2) 09
Analysis Requested	Ar			Project Name (Site): LH zcm
			Cell#:	Contact Phone #: Yoy 817 015
ons:	Field Comments / Lab Precautions:			Email address:
	P.O.# (if required):	Dos thu 4.	M Stew Foley	Results Sent to: CHuck Frah
Lab Work Order# U U A	Custody Seal(s): Y N	*	nta, GA 30324	Address: 2677 Buford Hwy NE. Atlanta, GA 30324
10 10 20 10 10	Receiver's Initials/Temp:		Wheeler	Company Name: AMEC Foster Wheeler
Phone # (770) 449-8800 Fax # (770) 449-5477	P		And State State of the State of	LABORATORIES

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 Chemical Preservation Codes: $1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + NaAsO_2 / 5 = NaOH + ZnAc / 6 = Na_2S_2O_3 / 7 = NaHSO_4 & MeOH / 8 = DI Water & MeOH / 8 = DI Wat$ 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)



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: AMEC Foster Wheeler

Date/ Time Received: 08/14/2015 11:15:00 AM

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Work Order #: 513418

Analyst:

Temperature Measuring device used: #61

Sample R	eceipt 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	ed? 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 Custo	ody? 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 i	inch bubble)? Yes	
#21 <2 for all samples preserved with HNO3,HCL, H2S0 samples for the analysis of HEM or HEM-SGT which are analysts.		
#22 >10 for all samples preserved with NaAsO2+NaOH	, ZnAc+NaOH? N/A	DL

Checklist completed by:	Dario Lagunas	Date: <u>08/14/2015</u>	
Checklist reviewed by:	ff Wilmold		

PH Device/Lot#: I016662-9

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Date: 08/14/2015

ANALYTICAL ENVIRONMENTAL SERVICES, INC.



August 21, 2015

Eben Buchanan Xenco Laboratories 6017 Financial Dr.

Norcross

30071 GA

TEL: (770) 449-8800 FAX: (770) 449-5477

RE: Xenco

Dear Eben Buchanan:

Order No: 1508C55

samples on 8/14/2015 4:15:00 PM Analytical Environmental Services, Inc. received 3 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





Inter-Office Shipment #: 1029758

Date Printed: Fri Aug-14-15 02:18 pm

Norse Phylis 4:15

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

Created by: Dario Lagunas

Please send report to: Jeff Wilmoth

Lab# From: Atlanta Lab# To: Houston Delivery Priority:

Air Bill No.:

Address: 6017 Financial Dr., Norcross, GA 30071 Phone: Ph:(770) 449-8800 Fax:(770) 449-5477

E-Mail: Jeff.Wilmoth@xenco.cc

Sample Id	Matrix	Ctient 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	IWI	00620 CL NO3 SO4 1	
513418-008	w	W-5	08/13/15 14:25	E300	Inorganic Anions by EPA 300	08/19/15	09/10/15		00620 CL NO3 SO4 , JO	
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 , N)	٤,

Inter Office Shipment or Sample Comments:

NO2, NO3, 11,504.

Relinquished By:

Dario Lagunas

Received By:

Date Relinquished: 08/14/2015

Cooler Temperature:

Page 2 of 11

Page 61 of 70

Final 1.000

Client: Xenco Laboratories Client Sample ID: 513418-001

Project Name: Xenco Collection Date: 8/13/2015 3:35:00 PM

Lab ID: 1508C55-001 Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Inorganic Anions by IC E300.0								
Chloride	29.6	1.00		mg/L	R298204	1	08/14/2015 23:28	JW
Nitrogen, Nitrate (As N)	BRL	0.250		mg/L	R298204	1	08/14/2015 23:28	JW
Nitrogen, Nitrite (As N)	BRL	0.250		mg/L	R298204	1	08/14/2015 23:28	JW
Sulfate	35.4	1.00		mg/L	R298204	1	08/14/2015 23:28	JW

Qualifiers:

* Value exceeds maximum contaminant level

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

Page 3 of 11

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

Page 4 of 11

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

Page 5 of 11

Date:

21-Aug-15

Sample/Cooler Receipt Checklist

Client XENCO LABORATORIES		Work Order	r Number	1508055
Checklist completed by Minimum Completed by Signature Date	8/14/20	15		
Carrier name: FedEx UPS Courier Client US	S Mail Other	r	_	
Shipping container/cooler in good condition?	Yes _	No	Not Present _	
Custody seals intact on shipping container/cooler?	Yes	No	Not Present	
Custody seals intact on sample bottles?	Yes _	No	Not Present _	
Container/Temp Blank temperature in compliance? (0°≤6°C)	* Yes	No _		
Cooler #1 3.49 Cooler #2 Cooler #3	Cooler #4 _	Coo	oler#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 Applical	ble
Water - VOA vials have zero headspace? No VOA vials su	ıbmitted	Yes	No	
Water - pH acceptable upon receipt?	Yes _	No	Not Applical	ble
Adjusted?	Chec	cked by	W	–
Sample Condition: Good Other(Explain)				_
(For diffusive samples or AIHA lead) Is a known blank include	ied? Yes	N	lo 🖊	

See Case Narrative for resolution of the Non-Conformance.

\\Aes_server\\\Sample Receipt\\My Documents\\COCs and pH Adjustment Sheet\\Sample_Cooler_Recipt_Checklist_Rev1.rtf

^{*} Samples do not have to comply with the given range for certain parameters.

513418-009

Client: Xenco Laboratories

Project Name: Xenco Lab Order: 1508C55

1508C55-003A

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		

Aqueous

8/13/2015 12:00:00PM

Inorganic Anions by IC

Dates

Client: Xenco Laboratories

Project Name: Xenco **ANALYTICAL**

Workorder: 1508C55 Bato

de: Inorganic Anions by IC It RPT Limit 1.00 0.250 0.250 1.00 ID: de: Inorganic Anions by IC It RPT Limit 1.00 0.250 0.250 0.250 0.250 0.250	SPK value	SPK Ref Val	%REC Un Bat %REC 97.5 106 104	its: mg/L tchID: R29820	High Limit	p Date: alysis Date: RPD Ref V
1.00 0.250 0.250 1.00 ID: de: Inorganic Anions by IC It RPT Limit 1.00 0.250	E300.0 SPK value 10.00 5.000 5.000		Un Bat %REC 97.5 106 104	its: mg/L tchID: R29820 Low Limit 90 90	Pre 4 And High Limit 110 110	p Date: alysis Date: 0
0.250 0.250 1.00 ID: de: Inorganic Anions by IC It RPT Limit 1.00 0.250 2.0,250	SPK value 10.00 5.000 5.000	SPK Ref Val	97.5 106 104	Low Limit 90 90	High Limit 110 110	alysis Date: 0
0.250 1.00 ID: de: Inorganic Anions by IC It RPT Limit 1.00 0.250 2. 0.250	SPK value 10.00 5.000 5.000	SPK Ref Val	97.5 106 104	Low Limit 90 90	High Limit 110 110	alysis Date: 0
1.00 ID: de: Inorganic Anions by IC It RPT Limit 1.00 0.250 0.250	SPK value 10.00 5.000 5.000	SPK Ref Val	97.5 106 104	Low Limit 90 90	High Limit 110 110	alysis Date: 0
ID: de: Inorganic Anions by IC It RPT Limit 1.00 0.250 2.0.250	SPK value 10.00 5.000 5.000	SPK Ref Val	97.5 106 104	Low Limit 90 90	High Limit 110 110	alysis Date: 0
de: Inorganic Anions by IC It RPT Limit 1.00 0.250 2. 0.250	SPK value 10.00 5.000 5.000	SPK Ref Val	97.5 106 104	Low Limit 90 90	High Limit 110 110	alysis Date: 0
1.00 0.250 2. 0.250	SPK value 10.00 5.000 5.000	SPK Ref Val	%REC 97.5 106 104	Low Limit 90 90	High Limit 110 110	
1.00 0.250 0.250	10.00 5.000 5.000	SPK Ref Val	97.5 106 104	90 90	110 110	RPD Ref V
0.250 0.250	5.000 5.000		106 104	90	110	
0.250	5.000		104			
				90	110	
1.00	25.00					
			98.8	90	110	
ID: 513418-001			Un	its: mg/L	Pre	p Date:
de: Inorganic Anions by IC	E300.0		Bat	tchID: R29820	4 Ana	alysis Date: 0
lt RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
1.00	10.00	29.61	78.8	90	110	
0.250	5.000		100	90	110	
0.250	5.000		107	90	110	
1.00	25.00	35.39	84.3	90	110	
(D: 513418-009			Un	its: mg/L	Pre	p Date:
de: Inorganic Anions by IC	E300.0		Bat	tchID: R29820	4 Ana	alysis Date: 0
lt RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
1.00	10.00	12.98	92.7	90	110	
2 5 1	2 0.250 5 0.250 5 1.00 ID: 513418-009 ode: Inorganic Anions by IC	2 0.250 5.000 5 0.250 5.000 5 1.00 25.00 ID: 513418-009 ode: Inorganic Anions by IC E300.0	2 0.250 5.000 5 0.250 5.000 5 1.00 25.00 35.39 ID: 513418-009 ode: Inorganic Anions by IC E300.0 RPT Limit SPK value SPK Ref Val	2 0.250 5.000 100 5 0.250 5.000 107 5 1.00 25.00 35.39 84.3 ID: 513418-009 Un Bartle RPT Limit SPK value SPK Ref Val %REC	2 0.250 5.000 100 90 5 0.250 5.000 107 90 5 1.00 25.00 35.39 84.3 90 ID: 513418-009 Units: mg/L ode: Inorganic Anions by IC E300.0 BatchID: R29820	2 0.250 5.000 100 90 110 5 0.250 5.000 107 90 110 5 1.00 25.00 35.39 84.3 90 110 ID: 513418-009 Units: mg/L Prepode: Inorganic Anions by IC E300.0 BatchID: R298204 Analysis RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit

Qualifiers: Greater than Result value

> BRL Below reporting limit

Estimated value detected below Reporting Limit Rpt Lim Reporting Limit

Less than Result value

Estimated (value above quantitation range)

Analyte not NELAC certified

Spike Recovery outside limits due to matrix

B Analyte detected in the Holding times for pre

RPD outside limits d

Final 1.000

Page 67 of 70

Client: Xenco Laboratories

Project Name: Xenco **Workorder:** 1508C55

Bato

ANALYTICAL

Sample ID: 1508C55-003AMS Client ID: 513418-009 Prep Date: Units: mg/L SampleType: MS TestCode: Inorganic Anions by IC BatchID: R298204 Analysis Date: 0 %REC Analyte Result RPT Limit SPK value SPK Ref Val Low Limit High Limit RPD Ref V 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 13.49 97.4 90 110 25.00 Sample ID: 1508C55-001AMSD Client ID: 513418-001 Units: mg/L Prep Date:

SampleType: MSD	TestCode:	Inorganic Anions by IC	E300.0		Bat	chID: R298 2	204 Ana	alysis Date: 08
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limi	it High Limit	RPD Ref Va
Chloride	38.39	1.00	10.00	29.61	87.8	90	110	37.50
Nitrogen, Nitrate (As N)	5.125	0.250	5.000		103	90	110	5.012
Nitrogen, Nitrite (As N)	5.567	0.250	5.000		111	90	110	5.345
Sulfate	57.13	1.00	25.00	35.39	86.9	90	110	56.45

Qualifiers: > Greater than Result value

BRL Below reporting limit

J Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

< Less than Result value

Estimated (value above quantitation range)

N Analyte not NELAC certified

Spike Recovery outside limits due to matrix

B Analyte detected in the

Holding times for pre

R RPD outside limits d

Н

Client: Xenco Laboratories

Project Name: Xenco **Workorder:** 1508C55 ANALYTICAL (

Sample ID: MB-R298218	Client ID:				Un	its: mg/L	Pro	ep Date:
SampleType: MBLK	TestCode:	Inorganic Anions by IC	E300.0		Ba	tchID: R29821	8 Ar	alysis Date: 0
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
Chloride	BRL	1.00						
Nitrogen, Nitrate (As N)	BRL	0.250						
Nitrogen, Nitrite (As N)	BRL	0.250						
Sulfate	BRL	1.00						
Sample ID: LCS-R298218 SampleType: LCS	Client ID: TestCode:	Inorganic Anions by IC	E300.0		Un Ba	its: mg/L tchID: R29821		ep Date: alysis Date: 0
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
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		513418-008			Un	its: mg/L	Pro	ep Date:
SampleType: MS	TestCode:	Inorganic Anions by IC	E300.0		Ba	tchID: R29821	8 Ar	alysis Date: 0
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
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			Un	its: mg/L	Pro	ep Date:
SampleType: MS	TestCode:	Inorganic Anions by IC	E300.0		Ba	tchID: R29821	8 Ar	alysis Date: 0
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref V
Sulfate	312.9	10.0	250.0	71.54	96.5	90	110	

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

Spike Recovery outside limits due to matrix

B Analyte detected in the Holding times for pre-

R RPD outside limits d

Final 1.000

Page 69 of 70

Client: Xenco Laboratories

Project Name: Xenco Workorder: 1508C55 **ANALYTICAL**

Bato

Sample ID: 1508C55-002AMSD Client ID: 513418-008 Units: mg/L Prep Date: TestCode: Inorganic Anions by IC BatchID: R298218 SampleType: MSD Analysis Date: 0 Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref V 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 5.894 Nitrogen, Nitrite (As N) 0.250 90 5.953 5.000 118 110 Sample ID: 1508C55-002AMSD Client ID: 513418-008 Units: mg/L Prep Date: SampleType: MSD TestCode: Inorganic Anions by IC BatchID: R298218 Analysis Date: 0

Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref V Analyte Sulfate 314.3 10.0 250.0 71.54 97.1 90 110 312.9

Qualifiers: Greater than Result value

Rpt Lim Reporting Limit

BRL

J

Below reporting limit

Estimated value detected below Reporting Limit

Less than Result value

Estimated (value above quantitation range)

Analyte not NELAC certified

Spike Recovery outside limits due to matrix

Analyte detected in th

Holding times for pre

RPD outside limits d

Н

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,

Junk Rounsh

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 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



CASE NARRATIVE



Client Name: AMEC Foster Wheeler Project Name: 139 Brampton Road

 Project ID:
 6121-09-0220
 Report Date:
 16-MAR-16

 Work Order Number(s):
 526617
 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

Draft

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

Seq Number

990123

990123

Date Prep:

03.11.16 10.00

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

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** Matrix: Soil % Moisture: 17.32

Lab Sample Id: 526617-005

Date Collected: 03.08.16 14.38

Basis:

Sample Depth: 2 - 3 ft

Date Received: 03.10.16 12.26

Dry Weight

Analytical Method: VOCs by SW-846 8260B

Draft

Prep Method: SW5035

Seq Number

990123

Date Prep:

03.11.16 10.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
cis-1,2-Dichloroethene	156-59-2	0.0503	mg/kg	03.11.16 14.57		1
Tetrachloroethene	127-18-4	0.0338	mg/kg	03.11.16 14.57		1
trans-1,2-Dichloroethene	156-60-5	0.00745	mg/kg	03.11.16 14.57		1
Trichloroethene	79-01-6	0.0162	mg/kg	03.11.16 14.57		1

Sample Id: GP-5-40W 2-3 Matrix: Soil

% Moisture: 17.38

Lab Sample Id: 526617-007

Date Collected: 03.08.16 14.27

Basis: Dry Weight

Sample Depth: 2 - 3 ft

Date Received: 03.10.16 12.26

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Seq Number 990123 Date Prep: 03.11.16 10.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	0.00597	mg/kg	03.11.16 15.49		1
Tetrachloroethene	127-18-4	0.0271	mg/kg	03.11.16 15.49		1

Sample Id: **GP-5-20E 2-3** Matrix: Soil % Moisture: 11.15

Lab Sample Id: 526617-009

Date Collected: 03.08.16 15.10

Basis: Dry Weight

Sample Depth: 2 - 3 ft

Date Received: 03.10.16 12.26

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Seq Number 990123

Date Prep: 03.11.16 10.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
trans-1.2-Dichloroethene	156-60-5	0.170	mg/kg	03.11.16 16.40		1

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Seq Number

990123

Date Prep: 03.14.16 09.11

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
cis-1,2-Dichloroethene	156-59-2	0.553	mg/kg	03.14.16 18.55	D	50
Tetrachloroethene	127-18-4	0.656	mg/kg	03.14.16 18.55	D	50
Trichloroethene	79-01-6	0.930	mg/kg	03.14.16 18.55	D	50





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

mg/kg

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

Result

0.0509

0.0119

Analytical Method: VOCs by SW-846 8260B

Prep Method: SW5035

Seq Number

990123

Date Prep:

03.11.16 10.00

Parameter Acetone Chloroform Cas Number

67-64-1

67-66-3

Units **Analysis Date** Flag 03.11.16 17.32 mg/kg

03.11.16 17.32

Dil 1 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





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: EW-7 Matrix: Water % Moisture:

Lab Sample Id : 526617-015 Date Collected : 03.09.16 09.45
Date Received : 03.10.16 12.26

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5030B

Seq Number 990176 Date Prep: 03.11.16 10.01

Cas Number	Result	Units	Analysis Date	Flag	Dil
75-34-3	4.26	ug/L	03.11.16 14.41		1
75-35-4	14.7	ug/L	03.11.16 14.41		1
156-59-2	2.80	ug/L	03.11.16 14.41		1
127-18-4	1.28	ug/L	03.11.16 14.41		1
79-01-6	11.3	ug/L	03.11.16 14.41		1
	75-34-3 75-35-4 156-59-2 127-18-4	75-34-3 4.26 75-35-4 14.7 156-59-2 2.80 127-18-4 1.28	75-34-3 4.26 ug/L 75-35-4 14.7 ug/L 156-59-2 2.80 ug/L 127-18-4 1.28 ug/L	75-34-3 4.26 ug/L 03.11.16 14.41 75-35-4 14.7 ug/L 03.11.16 14.41 156-59-2 2.80 ug/L 03.11.16 14.41 127-18-4 1.28 ug/L 03.11.16 14.41	75-34-3 4.26 ug/L 03.11.16 14.41 75-35-4 14.7 ug/L 03.11.16 14.41 156-59-2 2.80 ug/L 03.11.16 14.41 127-18-4 1.28 ug/L 03.11.16 14.41



Certificate of Analytical Results 526617



AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: Matrix: Soil Date Received:03.10.16 12.26 GP-5-20N 2-3

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

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

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



Certificate of Analytical Results 526617



AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: Matrix: Soil Date Received:03.10.16 12.26 GP-5-20N 2-3

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

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

Seq Number: 990123

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	0.00545		mg/kg	03.11.16 13.14	U	1
Methylene chloride	75-09-2	BRL	0.00545		mg/kg	03.11.16 13.14	U	1
o-Xylene	95-47-6	0.0206	0.00545		mg/kg	03.11.16 13.14		1
Styrene	100-42-5	BRL	0.00545		mg/kg	03.11.16 13.14	U	1
Tetrachloroethene	127-18-4	2.10	0.223		mg/kg	03.14.16 18.30	D	50
Toluene	108-88-3	BRL	0.00545		mg/kg	03.11.16 13.14	U	1
trans-1,2-Dichloroethene	156-60-5	0.0804	0.00545		mg/kg	03.11.16 13.14		1
trans-1,3-Dichloropropene	10061-02-6	BRL	0.00545		mg/kg	03.11.16 13.14	U	1
Trichloroethene	79-01-6	2.16	0.223		mg/kg	03.14.16 18.30	D	50
Trichlorofluoromethane	75-69-4	BRL	0.00545		mg/kg	03.11.16 13.14	U	1
Vinyl chloride	75-01-4	BRL	0.00545		mg/kg	03.11.16 13.14	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,2-Dichloroethane-D4		17060-07-0	118	%	50-150	03.11.16 13.14		
4-Bromofluorobenzene		460-00-4	123	%	57-158	03.11.16 13.14		
Toluene-D8		2037-26-5	99	%	50-150	03.11.16 13.14		



Certificate of Analytical Results 526617



AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: Matrix: Soil Date Received:03.10.16 12.26 GP-5-40N 2-3

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

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

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





Prep Method: SW5035

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

Tech: ZHO % Moisture: 9.06

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

Parameter	Cas Numbe	r 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: Matrix: Soil Date Received:03.10.16 12.26 GP-5-20W 2-3

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

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

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





Prep Method: SW5035

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: Matrix: Soil Date Received:03.10.16 12.26 GP-5-20W 2-3

Lab Sample Id: 526617-005 Date Collected: 03.08.16 14.38 Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Tech: ZHO % Moisture: 17.32

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

Parameter	Cas Numbe	er 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		





Dry Weight

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Basis:

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
Seq Number: 990123

Date Prep: 03.11.16 10.00

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





Dry Weight

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

03.11.16 10.00

Basis:

Sample Id: Matrix: Soil Date Received:03.10.16 12.26 GP-5-40W 2-3

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

Date Prep:

ZHO Analyst: Draft Seq Number: 990123

Parameter	Cas Numbe	r 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		





Dry Weight

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Basis:

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
Seq Number: 990123

Date Prep: 03.11.16 10.00

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





AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: Matrix: Soil Date Received:03.10.16 12.26 **GP-5-20E 2-3**

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

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

Parameter	Cas Numbe	r 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: Matrix: Soil Date Received:03.10.16 12.26 **GP-5-40E 2-3**

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

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

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: Matrix: Soil Date Received:03.10.16 12.26 **GP-5-40E 2-3**

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 ZHO % Moisture: 11.85

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

Seq Number: 990123

Tech:

Parameter	Cas Numbe	r 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: Matrix: Soil Date Received:03.10.16 12.26 GP-5-20S 2-3

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

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

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





Prep Method: SW5035

AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: Matrix: Soil Date Received:03.10.16 12.26 GP-5-20S 2-3

Lab Sample Id: 526617-013 Date Collected: 03.08.16 13.30 Sample Depth: 2 - 3 ft

Analytical Method: VOCs by SW-846 8260B

Tech: ZHO % Moisture: 16.59

ZHO Analyst: Draft 03.11.16 10.00 Basis: Dry Weight Date Prep:

Parameter	Cas Numbe	r 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 Matrix: Water Date Received:03.10.16 12.26

Lab Sample Id: 526617-015 Date Collected: 03.09.16 09.45

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO
Seq Number: 990176

Date Prep: 03.11.16 10.01

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



Trichloroethene

Trichlorofluoromethane

Certificate of Analytical Results 526617



AMEC Foster Wheeler, Atlanta, GA

139 Brampton Road

Sample Id: EW-7 Matrix: Water Date Received:03.10.16 12.26

Lab Sample Id: 526617-015 Date Collected: 03.09.16 09.45

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO
Seq Number: 990176

Date Prep: 03.11.16 10.01

79-01-6

75-69-4

Result **Parameter** Cas Number RLUnits **Analysis Date** Flag Dil 108-87-2 Methylcyclohexane BRL 1.00 ug/L 03.11.16 14.41 U 1 Methylene chloride 75-09-2 BRL 03.11.16 14.41 U 1.00 ug/L 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 Tetrachloroethene 1.28 03.11.16 14.41 127-18-4 1.00 ug/L BRL Toluene 108-88-3 1.00 03.11.16 14.41 U ug/L trans-1,2-Dichloroethene BRL 1.00 03.11.16 14.41 U 156-60-5 ug/L trans-1,3-Dichloropropene 10061-02-6 BRL 1.00 ug/L 03.11.16 14.41

1.00

1.00

Vinyl chloride	75-01-4	BRL	1.00		ug/L	03.11.16 14.41	U
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	

11.3

BRL

03.11.16 14.41

03.11.16 14.41

U

1

1

ug/L

ug/L





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

MWE Tech: % Moisture:

ZHO Analyst: Draft 03.11.16 10.01 Date Prep:

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





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
Seq Number: 990176

Date Prep: 03.11.16 10.01

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Methylcyclohexane	108-87-2	BRL	1.00		ug/L	03.11.16 13.21	U	1
Methylene chloride	75-09-2	BRL	1.00		ug/L	03.11.16 13.21	U	1
o-Xylene	95-47-6	BRL	1.00		ug/L	03.11.16 13.21	U	1
Styrene	100-42-5	BRL	1.00		ug/L	03.11.16 13.21	U	1
Tetrachloroethene	127-18-4	BRL	1.00		ug/L	03.11.16 13.21	U	1
Toluene	108-88-3	BRL	1.00		ug/L	03.11.16 13.21	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.00		ug/L	03.11.16 13.21	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.00		ug/L	03.11.16 13.21	U	1
Trichloroethene	79-01-6	BRL	1.00		ug/L	03.11.16 13.21	U	1
Trichlorofluoromethane	75-69-4	BRL	1.00		ug/L	03.11.16 13.21	U	1
Vinyl chloride	75-01-4	BRL	1.00		ug/L	03.11.16 13.21	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,2-Dichloroethane-D4		17060-07-0	106	%	53-159	03.11.16 13.21		
4-Bromofluorobenzene		460-00-4	103	%	30-186	03.11.16 13.21		
Toluene-D8		2037-26-5	101	%	70-130	03.11.16 13.21		



Flagging Criteria



- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- ** Surrogate recovered outside laboratory control limit.
- BRL Below Reporting Limit.
- **RL** Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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 - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

Hone Fax

4147 Greenbriar Dr, Stafford, TX 77477 (281) 240-4200 (281) 240-4280

9701 Harry Hines Blvd , Dallas, TX 75220 (214) 902 0300 (214) 351-9139

5332 Blackberry Drive, San Antonio TX 78238 (210) 509-3334 (210) 509-3335

1211 W Florida Ave, Midland, TX 79701 (432) 563-1800 (432) 563-1713

2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282 (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

%RPD MD Parent **RPD** Units Analysis Flag **Parameter** Result Result Limit Date Percent Moisture 13.2 13.3 20 % 03.14.16 09:45 1

Draft

Analytical Method: Percent Moisture by SM2540G

Seq Number: 990276 Matrix: Soil

Parent Sample Id: 526617-004 MD Sample Id: 526617-004 D

MD %RPD Parent RPD Units Analysis Flag **Parameter** Result Result Limit Date 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

MD RPD %RPD Units **Parent** Analysis Flag **Parameter** Result Result Limit Date Percent Moisture 15.5 15.7 20 03.14.16 09:45 1 %



Seq Number:

QC Summary 526617



AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B 990123

Matrix: Solid

LCS Sample Id: 706275-1-BKS MB Sample Id: 706275-1-BLK

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		78-120	5	20	mg/kg	03.11.16 11:06	
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 0.00113	0.0500	0.0614	123	0.0523		54-173	16	20	mg/kg	03.11.16 11:06	
1,1,2-Trichloroethane	< 0.000111	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	113	0.0500	100	67-144	13	20	mg/kg	03.11.16 11:06	
1,2,4-Trichlorobenzene	< 0.00110	0.0500	0.0570	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)	< 0.00162	0.0500	0.0432	98	0.0443	94	81-121	5	20	mg/kg	03.11.16 11:06	
1,2-Dichlorobenzene	< 0.00129	0.0500	0.0492	106	0.0484	97	70-146	9	20	mg/kg	03.11.16 11:06	
1,2-Dichloroethane	<0.00129	0.0500	0.0329	99	0.0459	92	63-150	8	20	mg/kg	03.11.16 11:06	
	<0.000397		0.0493	93		87	76-121	7	20		03.11.16 11:06	
1,2-Dichloropropane	<0.000929	0.0500 0.0500	0.0403	110	0.0435 0.0496	99	73-145	10	20	mg/kg	03.11.16 11:06	
1,3-Dichlorobenzene	<0.000997									mg/kg	03.11.16 11:06	
1,4-Dichlorobenzene		0.0500	0.0533	107	0.0477	95	74-143 33-138	11	20	mg/kg	03.11.16 11:06	
1,4-Dioxane	<0.0977	1.00	0.914	91	0.899	90		2	20	mg/kg		
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	
, ,		2.3000	2.3223	-00	2.2.75	, ,						





Prep Method: SW5035

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number: 990123 Matrix: Solid Date Prep: 03.11.16

MB Sample Id: 706275-1-BLK LCS Sample Id: 706275-1-BKS LCSD Sample Id: 706275-1-BSD

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	127		112		104		50-150	%	03.11.16 11:06
4-Bromofluorobenzene	105		100	Dwoft	101		57-158	%	03.11.16 11:06
Toluene-D8	99		97	Draft	97		50-150	%	03.11.16 11:06





Prep Method: SW5030B

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Seq Number:990176Matrix:WaterDate Prep:03.11.16MB Sample Id:706318-1-BLKLCS Sample Id:706318-1-BKSLCSD Sample Id:706318-1-BSD

MB Sample Id: 700518-1-	-DLK		LCS Sai	npic ia.	/00316-1-	DKS		LCS	D Sampic	, Iu. 700	310-1-030	
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 ug/L	03.11.16 11:09	
, J		20.0	20.0		.,.,			-		0/		





Flag

Flag

SW5030B

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

Prep Method: 990176 Seq Number: Matrix: Water Date Prep: 03.11.16 LCS Sample Id: 706318-1-BKS LCSD Sample Id: 706318-1-BSD MB Sample Id: 706318-1-BLK

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	Droft	_ 99		30-186	%	03.11.16 11:09
Toluene-D8	100		103	Draft	104		70-130	%	03.11.16 11:09

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035A

Seq Number: 990134 Matrix: Solid Date Prep: 03.13.16 LCS Sample Id: 706299-1-BKS LCSD Sample Id: 706299-1-BSD MB Sample Id: 706299-1-BLK

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	
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

SW5035 Analytical Method: VOCs by SW-846 8260B Prep Method: 990285 Matrix: Solid

Seq Number: 03.14.16 Date Prep: LCS Sample Id: 706382-1-BKS MB Sample Id: 706382-1-BLK 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
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

Prep Method: SW5035 Matrix: Soil

990123 Seq Number: Date Prep: 03.11.16 Parent Sample Id: 526617-005 MS Sample Id: 526617-005 S MSD Sample Id: 526617-005 SD

Tarent Sample Id. 320017-0	703		1,10 041	p.10 10. C	-2001, 00			1,101	o oumpre	10. 020	017 000 52	
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	< 0.00425	0.0610	0.0470	77	0.0473	79	40-161	1	20	mg/kg	03.11.16 21:49	
, ,		2.3010	2.2.70	• •		.,		•				





AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

 Seq Number:
 990123

 Parent Sample Id:
 526617-005

Surrogate
1,2-Dichloroethane-D4
4-Bromofluorobenzene
Toluene-D8

 Matrix:
 Soil
 Prep Method:
 SW5035

 MS Sample Id:
 526617-005 S
 Date Prep:
 03.11.16

 MSD Sample Id:
 526617-005 SD

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





SW5030B

Prep Method:

AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

 Seq Number:
 990176
 Matrix:
 Water
 Date Prep:
 03.11.16

 Parent Sample Id:
 526617-015
 MS Sample Id:
 526617-015 S
 MSD Sample Id:
 526617-015 SD

%RPD MS MS RPD Parent Spike **MSD MSD** Limits Units Analysis Flag **Parameter** Result Result Amount %Rec Limit Date Result %Rec ug/L 03.11.16 21:50 1,1,1-Trichloroethane < 0.160 50.0 49.6 99 48.2 96 59-138 3 20 03.11.16 21:50 1,1,2,2-Tetrachloroethane 50.1 100 49.9 100 0 20 < 0.180 50.0 63-126 ug/L 1, 1, 2-Trichloro-1, 2, 2-Trifluoroethane104 49.7 < 0.110 50.0 52.2 99 53-138 5 20 ug/L 03.11.16 21:50 101 48.9 98 3 03.11.16 21:50 1,1,2-Trichloroethane < 0.250 50.0 50.3 72-115 20 ug/L 1,1-Dichloroethane 4.26 50.0 55.0 101 52.5 69-132 5 20 03.11.16 21:50 96 ug/L 03.11.16 21:50 50.0 69.2 109 66.0 103 62-131 5 20 1,1-Dichloroethene 14.7 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 1,2-Dibromo-3-chloropropane (DBCP) 50.0 44.1 88 45.0 90 53-121 2 20 03.11.16 21:50 < 0.190 ug/L ug/L 1,2-Dibromoethane (EDB) < 0.180 50.0 48.7 97 48.5 97 66-125 0 20 03.11.16 21:50 03.11.16 21:50 1,2-Dichlorobenzene 50.0 48.8 98 46.7 93 58-124 4 20 < 0.140 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 50.0 49.2 98 48.1 96 78-121 2 20 03.11.16 21:50 1,2-Dichloropropane < 0.150 ug/L ug/L 1,3-Dichlorobenzene < 0.170 50.0 47.6 95 45.9 92 62-120 4 20 03.11.16 21:50 03.11.16 21:50 50.0 93 45.3 91 20 ug/L 1.4-Dichlorobenzene < 0.170 46.3 64-114 2 03.11.16 21:50 1,4-Dioxane < 8.84 1000 1060 106 940 94 11-185 12 20 ug/L 2-Butanone (MEK) < 0.280 100 101 101 98.4 98 50-152 3 20 03.11.16 21:50 ug/L 2-Hexanone < 0.320 100 107 107 104 104 55-136 3 20 ug/L 03.11.16 21:50 108 03.11.16 21:50 4-Methyl-2-pentanone (MIBK) 108 106 106 65-132 2 20 < 0.260 100 ug/L 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 ug/L Bromodichloromethane < 0.250 50.0 52.5 105 51.4 103 68-125 2 20 03.11.16 21:50 50.0 43.8 88 44.2 20 03.11.16 21:50 Bromoform < 0.170 88 53-112 1 ug/L 37.0 03.11.16 21:50 Bromomethane < 0.250 50.0 37.8 76 74 63-137 2 20 ug/L 55.2 26-147 5 20 03.11.16 21:50 Carbon disulfide < 0.260 50.0 58.0 116 110 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 46.4 45.2 3 20 ug/L 03.11.16 21:50 Chlorobenzene 50.0 93 90 71-114 < 0.150 125 60.3 121 20 03.11.16 21:50 Chloroethane < 0.260 50.0 62.4 60-137 3 ug/L Chloroform < 0.160 50.0 47.5 95 47.1 94 65-131 20 ug/L 03.11.16 21:50 1 Chloromethane < 0.250 50.0 49.8 100 47.8 96 48-151 4 20 ug/L 03.11.16 21:50 50.0 53.6 102 52.0 ug/L 03.11.16 21:50 2.80 98 22-185 20 cis-1,2-Dichloroethene 3 03.11.16 21:50 50.0 53.5 107 51.4 20 cis-1,3-Dichloropropene < 0.100 103 67-113 4 ug/L 50.0 48.5 97 48.4 97 61-141 0 20 03.11.16 21:50 Cyclohexane < 0.150 ug/L 93 45.5 91 03.11.16 21:50 Dibromochloromethane < 0.150 50.0 46.7 53-125 3 20 ug/L Dichlorodifluoromethane 63.6 127 60.4 121 38-145 5 20 ug/L 03.11.16 21:50 < 0.220 50.0 47.0 03.11.16 21:50 Ethylbenzene < 0.190 49.1 98 94 4 20 50.0 66-127 ug/L Isopropylbenzene < 0.150 50.0 48.0 96 46.8 94 58-127 3 20 ug/L 03.11.16 21:50 94.4 03.11.16 21:50 m,p-Xylenes < 0.510 100 97.8 98 94 65-126 4 20 ug/L Methyl acetate 50.0 43.4 87 41.7 4 ug/L 03.11.16 21:50 < 0.260 83 65-135 20 102 03.11.16 21:50 105 105 102 20 Methyl tert-butyl ether < 0.180 100 58-141 3 ug/L Methylcyclohexane 50.0 48.2 96 47.8 96 64-128 1 20 03.11.16 21:50 < 0.110 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 o-Xylene 50.0 48.6 97 50.3 101 64-123 3 20 03.11.16 21:50 < 0.200 ug/L 103 49.0 20 03.11.16 21:50 Styrene 50.0 51.3 98 50-133 ug/L < 0.1805 Tetrachloroethene 1.28 50.0 45.4 88 43.3 84 52-125 5 20 ug/L 03.11.16 21:50 03.11.16 21:50 Toluene < 0.140 50.0 47.6 95 46.1 92 65-123 3 20 ug/L trans-1.2-Dichloroethene < 0.210 50.0 52.4 105 50.6 101 65-135 20 03.11.16 21:50 3 ug/L trans-1,3-Dichloropropene < 0.110 50.0 46.2 92 44.6 89 50-125 20 03.11.16 21:50 4 ug/L 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





AMEC Foster Wheeler

139 Brampton Road

Analytical Method: VOCs by SW-846 8260B

 Seq Number:
 990176

 Parent Sample Id:
 526617-015

Surrogate
1,2-Dichloroethane-D4
4-Bromofluorobenzene
Toluene-D8

 Matrix:
 Water
 Prep Method:
 SW5030B

 MS Sample Id:
 526617-015 S
 MSD Sample Id:
 526617-015 SD

MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
99		100		53-159	%	03.11.16 21:50
99	Dwaft	98		30-186	%	03.11.16 21:50
99	Draft	100		70-130	%	03.11.16 21:50

XENCO LABORATORIES CHAIN OF CUSTODY

Page l of 2

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

L											
Com	Company Name:	Am &C	FOSTER	FOSTER WHERER			R	eceiver	Receiver's Initials/Temp:	(S)(S)(S)(S)(S)(S)(S)(S)(S)(S)(S)(S)(S)(4
Address:	ess:	2677 By FORD HOWY	FOR HU	of the same of the			<u> </u>	Custody Seal(s):	Seal(s): Y N	Lab Work Order # しのやり7)
Resn	Results Sent to:	STEVE	FOLET				ď	i) #:0:	P.O.# (if required):		
Ema	Email address:	STOVE. F	N (2000	STEVE. FELON O AMPERA COL			<u> </u>	ield Con	Field Comments / Lab Precautions:	utions:	
Cont	Contact Phone #:	404-8	317-0152	Cell#:				MICED	11020 ALL 5-6 5	SAMPLES	
Proje	Project Name (Site):		139 BRAMPEN RA	al R.						Analysis Requested	
Proje	Project Number (ID):		6121-09-6220	÷ 5		Contain	Container Type: 1	100			
Regu	Regulatory Program:				Chemical	Chemical Preservation Code:		9			
	Sampler(s): (signature)	gature)		Samp CTEN	Sampler(s): (printed)	ed)		Si 29			
.oV					<u> </u>			2 E			
oni.J	Sample ID#	D#	Sample Depth (Ft)	Collection Date / Time	IRM d 992) oqmoO	Grab Cg R	No. of Containers	1720			
-	E-2 N 02-5-49	1 N 2-3	2-3	3/3/16 1458	S	×	Ţ	×			
N	GP-5. 20N	N 5-6	5-5	1 1502	\.		,				
ო	NO4-5-40	. 2-3 V	2.3	,350				*			
4	GP-5-40N	¥ 5.6	5-6	1355							
ហ	GP.5.20W	5 2 3	2-3	1438				~		,	
ဖ	6-1-5-200	4 5-6	5-6	1442							
_	61-5-400	. 2-3 m	2-3	1427				×			
∞	GP-5-40W	3.5 m	5.5	1431	***************************************						
တ	GP-5- 200	c. 2.3	2-3	1510				X			
10	6,7.5.200	6 56	5-6	15.15	*	, ->	 →				
1) R¢	1) Relinquished By	THE SE		Date / Time	2) Baceived By	Sa Base	8	101	Date / Time S	Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other	' Other
3) Re	3) Relinquished By:		FĄ	Date / Time	4) Received By:	ed By:			Date / Time	_	ys)
										TAT Starts when sa	2PM
5) Re	5) Relinquished By:	••		Date / Time	6) Received By:	ed By:			Date / Time	10 Days; 5-7 Days;	3 Days
										2 Days; 1 Day; Same Day	Day
	*** *** ** **						;		1		

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) 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 Chemical Preservation Codes: 1 = HCL / 2 = HNO3 / 3 = H₂SO₄ / 4 = NaOH + NaAsO₂ / 5 = NaOH + ZnAc / 6 = Na₂S₂O₃ / 7 = NaHSO₄ & MeOH / 8 = DI Water & MeOH

X NENCO LABORATORIS

XENCO LABORATORIES CHAIN OF CUSTODY

Page C of C

6017 Financial Drive, Norcross, GA 30071. Phone # (770), 449-\$800 Fax # (770) 449-5477

520017 /と, 己人 Fed Ex/UPS/Courier/Lab Pickup/Hand/Other 5-7 Days; 3 Days TAT Starts when samples are rec'd by 2PM Same Day Turnaround Time (business days) 1 Day; Delivered by: (Circle One) Lab Work Order# 10 Days; Analysis Requested 2 Days; 5-6 SAMPLES Field Comments / Lab Precautions: Date / Time Z Date / Time Date / Time Receiver's Initials/Temp: P.O.# (if required): Custody Seal(s): Nous Ace S 112728 XM . × × × × Container Type: Chemical Preservation Code: Containers No. of 7 N N 6) Received By: 4) Received By: 2) Received By Grab Sampler(s): (printed) × STUDIEN FREET Composite (See below) 3 S Matrix STOVE FOLEN CE AMER FLD. COM 10/12/21 Mail 1413 2042 1330 15,50 14.80 Date / Time Date / Time Date / Time Date / Time Collection Cell#: POSTOR SHOWEN 3/12/16 N. C. 3/9/16 0220-30-12,5 138 ORMMITTEN 7.510-1118-201 124 850 103 1123 Depth (Ft) Sample Steel Rock 2-3 5-3 7 3 Company Name: Amaz G.P. S. 400 2-3 GP-5-205 2-3 GP-5-205 56 Sampler(s): (signature) Sample ID# 10x -5 -10 6 TIRIT BUMIN Project Number (ID): Regulatory Program: Project Name (Site): Relinquished By: 5) Relinquished By: Contact Phone #: Results Sent to: .) Relinquished 1.82 Email address: Address: ന 4 L() 2 ဖ Line No. œ ග

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) 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 Chemical Preservation Codes: 1 = HCL / 2 = HNO3 / 3 = H2SO4 / 4 = NaOH + NaAsO2 / 5 = NaOH + ZnAc / 6 = NaS2O3 / 7 = NaHSO4 & MeOH / 8 = DI Water & MeOH



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: AMEC Foster Wheeler

Date/ Time Received: 03/10/2016 12:26:00 PM

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Work Order #: 526617

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 contain	er/ 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 relinquish	ned/ received?	Yes	
#11 Chain of Custody agrees with sample lal	pel(s)?	Yes	
#12 Container label(s) legible and intact?		Yes	
#13 Sample matrix/ properties agree with Ch	ain 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 to	est(s)?	Yes	
#18 All samples received within hold time?		Yes	
#19 Subcontract of sample(s)?		No	
#20 VOC samples have zero headspace (les	s than 1/4 inch bubble)?	N/A	
#21 <2 for all samples preserved with HNO3 samples for the analysis of HEM or HEM-SGT analysts.	•	N/A	
#22 >10 for all samples preserved with NaAs	O2+NaOH, ZnAc+NaOH?	N/A	

Must be completed for after-hours de	livery of samples prior to placing i	n the refrigerator
Analyst:	PH Device/Lot#:	٠
Checklist completed by:	Dario Lagunas	Date: <u>03/10/2016</u>
Checklist reviewed by:	J. Derek Rounsley	Date: <u>03/12/2016</u>

APPENDIX C
BORING LOGS

INSP. C	MAY DEHLING COMPANY	ceoth	ermi	<u> </u>						WATER DEPTH 13.9 6 fac
MP 55	DRILL RIG Trailer	Mova	į.	DRII	LER Z	lnw sor	1, P.	. COLLA STARTI	R ELEV.	DATE/TIME 30 2-// COMPLETED //:00 2-/2 ME / DATE TIME / DATE
									TI	ME / DATE COMPLETED TIME / DATE
						INVE				
LL CASING	_	I.f. WE	LL SCR	EEN	2	in. dia.	_5	1	.f. 8E	NTONITE SEAL Chips
SING TYPE_		sc	REEN T	YPE	PVC				INS	TALLATION METHOD POURCE
INT TYPE	Clush ITY	SLC	T SIZE	′	<u> </u>				- FIL	TER PACK OTY
OUT TYPE	bentonite/ Portland come		ITRALIZ	ERS					FIL	TER PACK TYPE Silica Sand
			LLING M	100 ITP	<u> </u>				_ INS	TALLATION METHOD
.EV./DEPTH	SOIL/ROCK DESCRIPTION			14	1511	CYE.	TCU.			INCTALLATION NOTES
EV./UEPIH	SOIL / ROOK DESCRIPTION	-1		<u> </u>	/ELL	SKE	1 CH	i	1	INSTALLATION NOTES
										1
										=
0.0	GROUND SURFACE	-			<u> </u>			<u> </u>		
5.0	greys mottled orange,	E								Huger Jrilled Lo 20'69.
	Coarse Sandy CLAY				}				<u> </u>	with 3 1/4" augers - took Soil samples 2 4-51/2.
_	becoming predominately			//	1	//	PID	25.5	DPM	9-10/12, 14-15/12 18-195
5	grades to dark gray	14 5	e	1	K	1			[installed 2" AVC scrae
	Sandy CLAY			1_/_	<u> </u>				<u> </u>	- W/ 10/ 10/ to 15 has
		E		1/	1	//				installed 2" PUL carin
10	COA	 			 	//	PID	11.3	ppm	
	SAA	Ħ	/							poured sandpack to 12'
	grades to very comise	bente	hi Le		 		菡			to 10/bas groves to
15	SHND ullarge pebbles	CEP					PID	5,3	nag	conface w/ stickup
	014.5; interbedue)	El '			_				(' -	Surface Linish
	w/ stiff blue day	FI			=					
	10 20'	Fl			三		DIA	27		
20		-	-	<u> </u>	\sim		FID	3.1	ppm	
		Fl	Sand	ark	`		reen			
		F								
		<u> </u>			ļ					
		E								
		 	 -	-	 	 	 	 	 	WELL DEVELOPMENT NOTES
		Ħ								WELL DEVELOPMENT NOTES
		FITT-	1	1		 		1		W.L. 13,9
		<u> </u>								1-om 20
		F					1			column Lil
		-	-	 		-	-	1	 	<u> </u>
		E			•		1	1		1,03
		F						1	1	x 3
							<u> </u>			Found of after some
		El								12 Inom - S.C. Stared
		[-	 	-	-	 	 	 	1 strate a 180 mothal
		F					Į			Still slightly to 1612 water
		-	+	-	+	+	-	1	+	man new fulter douchain
		E								However a sufficient
		E	1	+	1				1	I tolen
		FI.	1		<u> </u>		1			
		Ħ								
		 		-	-		-			1
		E								}

MONITORING WELL INSTALLATION LOG

JOB NO. 9	S3-3825 PROJECT CDH DRILLING METHOD	L	15 /A	impton Rd	WELL NO		w~Z	SHEET WATER DEPTH	20. 3 865.
WEATHER	Cloudy DRILLING COMPANY				COLLAR I		20 2/20	DATE/TIME	2/27 12:50
TEMP.	68° DRILL RIG	B. 20	DRILLER	Bill Donn	STARTED) /0;	TIME / DATE	COMPLETED	11:00 3/27 TIME / DATE
STATION / OFF	SET				D) (
	6 in dia 45	MA	TERIAL	S INVENTO	RY				
WELL CASING	2 in. dia. 56-4	1.f. WELL SCREEN		ې in, dia,	<u> </u>	ENTONITE SEA	л <u>Т</u>	sellets	
CASING TYPE	PVL	SCREEN TYPE		PVL		STALLATION N	_	poured	
JOINT TYPE		SLOT SIZE		0.01"		LTER PACK QT		2 65 16=.	
GROUT QUANT		CENTRALIZERS				LTER PACK TY STALLATION N		511.ca 20 Uneod	2 4 0
GROUTE TYPE	Denten te Slurry	DRILLING MUD T	YPE		IN	SIALLATION	ME11100	Poster	
ELEV./DEPTH	SOIL/ROCK DESCRIPTION		WEL	L SKETCH	1		- 11		
							Drill n		
					city stee	 		ed to mio	
Ē				(ating	<u> </u>		tion (= 46	
	GROUND SURFACE					<u> </u>	,	SA - took	- 1
0.0	See attached					⊨ 		es à stag els l'ace a	
- 5	<u> </u>				_	- [] -			1111 (1 /0) () () () () () () () () ()
þ	boring log for				A = A	E	Hed's	10 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 15 11 2006
10	description.			- I want	 	- 		a. Grove)	
E					-2"pv4			s until a	
F 15					1 (1)E	E	06581	• , ,	be flowing
Ē								on the s	rund is t
= 20					Cement	H/ E	Let a	rout set o	overnite.
E				- SAMERON DE LA CONTROL DE LA	benton;	te E	Rahin.		ning, redrilled
E 25					J 510	14 F		grand 6	
= 30						<u> </u>			of 56.4
F		F 6748			4	<u> </u>		Installed	
E 35		- Cas 17			41			0.01 5'5	
F					41 1	<u> </u>			ck to depth
E 40			1		bentonite			16.6' ess	
E					cap	Ę 	henter	3.6' BG5	ts to d-pt2
- 45					_				installed
F						計一			sin (stickum
- 50			1			- H	Jorking	15-621 77	- 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
F _			1113	三 [3] [
55		sandpark							
E60		E 371		5ft.scree	·	Ħ			
						FL			
E						F			
F					1 T	<u> </u>			
E						<u> </u>			
E		E				E		DEVEL ATTIC	IT NOTES
E			 			<u> </u>		DEVELOPMEN	
Ė	1					FI	otal de	20. 20. Jumn : 35	7 605
F			 			- 	W.L.	20.	- 1 55
F		E					NOTES CO	21 UMN - 35	17
E			 			- []		<u>×</u>	,17
E						計	L 1 1-		very little
E			+			 	Claring C	in fried.	anikly /
E	·					計	9 CU ~	ther 10 m	1 2 2 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
E			 			H	2020	Removed	20gel. Let
Ė,		E		;			recour	pumpel	agnin a lower
F · ,		E		:			ote -1	Lotal of 4	logal remark
E						上	Clear a	pplayance	osz nal very ditty asickly ' n pumping 2 2 chal. Let agnin & lower logal remark
E			T			FL		1'	
}- -		H		• 1		-			İ

Golder Associates

Golder Associates

Field Boring Log

	BORING NO. GW-2
	SHEET OF
DEPTH ROCK CORE WEATHER (10 U) 4 DRILLING COMPANY 57 ME ENVIRONMENTAL	SURFACE ELEV.
NO. DIST. SA _ UD. SA _ TEMP. 45° DRILL RIG B-50 DRILLER BILL DORALL	DATUM
3-01.	STARTED 10:20 , 3-25-96
TIME WL. 3/27 12:53 HRS. DELAYED WT. CASING HAMMER DROP	Time Dati
,	23/27

SAMPLE TYPES		ABBREVIATIONS	SOIL	L DESCRIPTION -RANGE OF PROPORT
A.S. "AUGER SAMPLE CS. CHUNK SAMPLE D.Q. DRIVE OPEN D.S. DEINSON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.D. THIMMALLED, OPEN T.P. THIMMALLED, PISTON W.S. WASH SAMPLE	BL BLACK BR BROWN C COARSE CA CASHIG CL CLAY CLY CLAYEY F, FINE FRAG FRAGMENTS GL GRAYEL LYD LAYERED U LITTLE	M MEDUM MIC MICACEOUS MOT MOTILED HP NOTHELISTIC OGLANIC PH PRESSURE-MYDRAULC PM PRESSURE-MANUAL R RED RES RESDUAL RX ROCK	SA SAMPLE SAT SATURATED SD SAND SI SILT SIY SLIT SM SOME TR TRACE WIL WATER LEVEL WH WEIGHT OF HAMMER Y YELLOW	"TRACE" -0 - NS "SOME" -12 : 30% "UTILE" -6 - 12% "AND" -30 50% RELATIVE DEMETTY ELDWIS CONSISTENCY FRANCER PRESSURE VERY LODGE LS 4-10 SOFT S MOLDS EASLY COMPACT OP 10-30 FRAM FM MOLDS EASLY DEMSE DN 30-60 STEF ST THUMB INDENTS VERY DEMSE VON 60 WERY STEF VST THUMBURGE INTO HARD H RESISTS TRAMBINI

ELEV.	DESCRIPTION	BLOWS		NO.	77.06	HAMM, BLO PER 6 IN IFORCE	WS REC	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
0			_	NO.	1172)FORCE	ATT	ļä	
				1			- 1	i	(61)(26.5)
	Rive acrif (A)		- ا	}			ł	1 _	(SA-1) (3.6-5.0)
	Blue grey ELAY, traces and				<u> </u>			1 .	
سم	tracesand	5	=		DO.	2-2-3	18/18		
5	SHA - increasing			-	Ī	22)	- 115	†	
	sond content -		-	1			1		
	sand contine		_	1			İ	_	
	gendes to ominge -						17/	4	5A2 18.5-15.21
10	Grown senly Chiaya	18		2	00	6-8-10	17/18	1	
, ,	85-1-1			}]			-	
	trends buck to Bluege	7	-						
	SANDYCLUY, The Course silty SAND 2.		_		i :				
	Course S. Ity SAND or			7		0 0		-	
15	1 (20) , The oringe-brow	15	=	3_	7.0	9-7-8	1///8	-	うは・3 /13 イーノイナ
	Sondy CLAY from 14.5-1	ا ح	7	1			1		
	''-	İ	1	1			1	1	
	medium to conce		-				.	-	
	Yellow/orange SAND			4		2 ,5 77	7.12	1	5 A H 10
20	whitemittent blue guy surly cety zones,	_7_		7	23	2 .3 .4/	18/13	-	SA-7 (185 - 23)
	sarry Carl Estes,		1					1	
1			_					۱ _	
	SAA, fewer	- 1	4				İ		
		ł	4						
25	CLAY ZONES,		⊣				- 1	-	
	medium to correc		4				1		
- 1			4				ł	_	
	yellowforminge SAND who some large pellows		7				- - ;		
30	to some fairle beared	66	7	7	0.0	18-30-3	13/15		5A-5 (28.5-30)
اس الد	graves to grey, med sund = 29.8-30'		·					_	
	Sun - 29. 8 - 35	1	3					ļ	
	SAA to right 2		\exists				1	_	
- 1	7 +2	İ			ĺ				
35	37.5 ten charges							l _	
´	obruptly to duck	İ	4						
	000	i	4						
	J. c7) Mac j'aines		⊣					-	SA-6 (38.5-39.5)
ļ	material (miscene?)	1/2		6			1.07	1	5A-78395-401
10	clay	43		7	DO	10-17-	4/3/13	_	· · · · · · · · · · · · · · · · · · ·
.	CLAY /	-	7				1		
ĺ	continues to 45'08	ľ	3						200
	a ancen-arey. Uf L							-	After a closer look appears to
100		.67	3	8	Do!	19-27-4	2 13/12		
15	Fine clayey SILT with truce of sand (MIOCENE)			<u> </u>		1 1 - 6 1- 41	-1.//	_	derlier roles - Estant a distantion
	(MIO(ENE)		4						perfect tolot - believe a live green
			4			•		<u> </u>	art much finer si 1+ 2 42.5 · miset.
į		1	#		ļ		1		(5A-8) 42,5-44
		- 1	‡						V / /21) ~ //
50	l	- 1	7				1	-	
			3		l		1		
1			亅					-	
			3						
55			크		-		1		
-			4	ļ	1				
į		- 1	-	- 1	1		ì		

JOB NO. 95	3-3825 PROJECT GCOLAICE	Drum 45 A	/Br	الم ليم مناه	n R						SHEET/_OF _/ WATER DEPTH//.06 64:0
WEATHER SU	ANY DEHLING COMPANY	Feotho	rmic	s				COLLA	R FI FV		DATE /TIME
TEMP	DRILL RIG Trailer	וגניסמי	-	DRIL	LER_C	lawso.	n, P.	STARTE	D <u>://: 0</u>	0 Z-/.	COMPLETED 2 00 2-1/
1 · = · · ·			МА	TERI	ALS	INVE	NTOR	Ť			
WELL CASING	ي in. dia ع	I.f. WEL	L SCRE	EN	2	_ in. dia.	_5	ı	f. BEN	CHITE SEA	L Chios
CASING TYPE_	PVC			PE					_ INST	LLATION M	ETHOD POORED
JOINT TYPE_											
GROUT TYPE	bentanik/portland cem	est dra	LING M	JO TYP	ε	-			_ INST	MLATION ME	ETHOO POURU
ELEV./DEPTH	SOIL / ROCK DESCRIPTION			W	ELL	SKE	ГСН			INST	TALLATION NOTES
- -										<u></u>	
<u>-</u>											
- 0.0	GROUND SURFACE										
E 0.0	orangish brown sandy CLAY w/ Dark	27706	-							with	er drilled to 18'
	black staining .				1		PID	245	mqc	9-10	5011 samples D 0-5
5	softer, yellowish									insta	14) 2" tuc screen
-	Sandy CLAY	-	•								101510+ (stt /contin)
<u>.</u>	,	목					PID	68	>>m	CFlush	mount)
F 10	interbedded bluegaray	h. l	mile			2 .4 .7 2 .5 .2			,	DOV	red soudparle to 695 - pove-1 Went.
-	sandy CLAY w/ orange	Cab	7110		=	100,00					
15	brown coarse SAND				=		PID	1,9	pom		05 +2 7.1' bas. ut to surface w)
E'	Shiff blue larey sundy				=				, 1		leup Baich.
}	CLAY	-	-	A	$\langle \rangle$		-			4	
-20			المحالية	K			544.	561€	en		
		<u>E</u>									
F				 		-			-] -	
E											
Ė		Ħ]	
F E					-	1				WELL	DEVELOPMENT NOTES
-		-	-	-		 	-	-		- - W.L.	11.06
E						<u> </u>					20,6
F		Ħ									129.5
F				+-	 		 		╁		×.17 1.615
E							<u> </u>				хЗ
ţ		Ħ								 	4.845 gal to be remail
F				-		 			-	Stoppen	pump 13:35) 15:45 (ORY)
[ļ		P≈ 1/2	2 April
										1	water - Creamy brown isst, become door
F F		F		1	+		1,		+	11	
Ę.		<u> </u>	 	-			ļ		 		Gic conductance 3 2 min
Ę Ę		Ė		1						inter	2 - 345
Ę		E	1								4 - 325
Ę.		<u> </u>	+-	-	-	-	-		-	<u> </u>	6 - 325
ļ.		ţ.									8-225

MONITORING WELL INSTALLATION LOG

JOB NO. 9	53-3825 PROJECT	Savannahi-Bra	ington R)		GW-4 SHEET / 6 7 9704
	CDH DRILLING METHOD	HSA 33/	4 1D	GROUND ELEV.	WATER DEPTH 9.62 BTOC
_	SUA DRILLING COMPANY	5 ME		COLLAR ELEV	73:00 3-30 COMPLETED ≈ /33:00 3-31
TEMP.	マダー DRILL RIG	CIMED Z400 DE	HILLER Earl T	STARTED	TIME/DATE COMPLETED 2 /33/4 3-31
STATION / OFFS	SET				
			IALS INVENTORY	I.f. BENTONITE	SEAL PELLETS
WELL CASING			2 in. dia. 10	INSTALLATIO	
CASING TYPE	2"\$ PVC	SCREEN TYPE SLOT SIZE	0.01	FILTER PACI	
JOINT TYPE	FIUSH ≈ 2 9415, BAGS	CENTRALIZERS		FILTER PAC	
GROUT QUANT GROUTE TYPE	LYNAUTEN REMINISTE			INSTALLATIO	ON METHOD POURED
GROOTETTIE					
			WELL SYSTOM		
ELEV./DEPTH	SOIL/ROCK DESCRIPTION	· · · · · · · · · · · · · · · · · · ·	WELL SKETCH		
=	<u>i-</u>				
E I	-		FLUSH A	5.302 7	444554
E i			SURF	ACE CASING	AUGERED TO = 18:5'865.
E	GROUND SURFACE				INSTALLED 2" & PVL, O.01
0.0	SEE BORING LOG		(4	~~~~ L	SLOT SCREEN FROM 18.5'A65
E 2	* = ··, · · · · · · · · ·	1 /	$\downarrow \qquad \downarrow \qquad \downarrow$	PAD	70 8.5 BGS. INSTALLED
╞		BENT WITE		F	2" \$ PVC RISEK TO SURFACE.
E 4		GROUT			POURED = 4 BAGS MEDIUM
E '				FI	CAND TO & 7/365 POURED
E 6			THE PROPERTY OF	ENTOMITE F	18AG BENTONITE CHIPS TO 5'BGS. POURED BENTONITE
F				EAL.	CHIPS HYDRATED IN Z'LIFTS
E g					TO SURFACE INSTALLED
Ε°					FLUSH MOUNTED 1 DUEK AND
E10					
E		2" d		SCREEN -	SMALL CONCRETE PAO.
E 12				322.5 EV -	
E '		PUC RISER 3			
E 14			- 12.5		
E				MEDIUM GRADE SANDRACK	
F16				5 # NO PACE	
E			三家		
F18					
E			G"ENDCAP		
F20			 	i F	
E					
F					
E					
E				 	
E		 			
E					
E					
E					
F					WELL DEVELOPMENT NOTES
E					REMOVED & 20 GALLONS.
E					WATER SHOWED IMPROVEMEN
F		 			IN CLARITY.
E			.		
F		 			
E					
F			:		
E					
F		 			
E		目丨丨			
F					
E					E
-					<u> </u>
				i <u>!</u>	F

Golder Associates

Field Boring Log

DEPTH HOLE 18.5' JOB NO. 953-3825	PROJECT BRAMITON R.D.	BORING NO. GW-4
DERTH SOIL DRILL CEST GA INSP. COM	DRILLING METHOD 1434 2 79 75	SHEET OF
DEPTH ROCK CORE WEATHER SOA	DRILLING COMPANY	SURFACE ELEV.
NO. DIST. SA. UD. SA TEMP. 800	DRILL RIG CIMED 2400 DRILLER EGO!	DATUM
DEPTH WL. HRS. PROD.		STARTED/0:30 /3-30-98
TIME WI HRS. DELAYED	WT. CASING HAMMER DROP	COMPLETED 121 2 3-30-4
Time W.C.		

SAMPLE TYPES AS ADGER SAMPLE CS. CHUNK SAMPLE CS. CHUNK SAMPLE CS. CHUNK SAMPLE CS. CHUNK SAMPLE CS. CHUNK SAMPLE CS. DENISON SAMPLE CS. DENISON SAMPLE CS. DENISON SAMPLE CS. DENISON SAMPLE CS. DENISON SAMPLE CS. CASING R.C. ROCK CORE CS. CLAY CG. CAY C	SOIL DESCRIPTION - RANGE OF PROPORTION SA SAMPLE "INTLE" -0 - 5% "SOAL" - 12 - 30% SATURATED SO SANO SI SILT MELATIVE DEMETRY BLOWS CONSISTENCY FINGER PRESSURE SIY SULTY VERY LOOSE V.S 0 4 VERY SOFT VS EXTRUDES SM SOME LOOSE LS 4 10 SOFT S MCLOS EAST, TR TRACE WIL WATER LEVEL WH WEIGHT OF HAMMER Y YELLOW VERY DEMSE DN 30-60 STEF ST THANBURGENTS THANBURGH SHOPHT Y YELLOW N PESSTS THANBURGAL
--	--

		BLOWS				MPLES		Ŧ	
LEV.	DESCRIPTION	BLOWS FT		NO. T		PER 6 IN (FORCE)	RECATT	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	Relorantan, firm SICTY CLAY AND Fire SAND			1	00	2-2-2	1.5/2		GUC U-1 0-2' (CAYEY SAND)
3 4 .5 .6 .7	white grey, firm, st. moist stety ccty some to and Fire- met sand		بالبينايينايينايينا	٤	Do	3-4-7	1.5/2	-	6WC-4-2 4.5-6' (CLAYFY SAND)
-9 -11	Crotes to ten silty fire to med SAND (moist) little clay to true Unite-gray, firm, >1. moist, fire to coarse. LAND 'SILTYCLAY 1-2 mm quarter abundant		***************************************	3	Þο	5-7-8	1.25] /2		(CLAYET SAND)
13	White-gary's tan fine to coarse SAND, trave to			4	Do	3-6-12	10/2	_	GWC-4-4 14/2-16 (SAND)
17 18 19								-	105 tolled well & 18/2 - 8/2 10' sever) Sondpork to 7'bas Jenionin deal to 5'bas - (300-300 150 5=0) hylated pellets well in (short of 1991) 012:16
10 21 22 22					,				

MONITORING WELL INSTALLATION LOG

GA INSP	CDH DRILLING METHOD PROJECT CDH DRILLING COMPAN	H5	rannal A – 3 ME	h - B1	rainips t	to RJ		•	iO, iO ELEV. R ELEV.	_	- - -	_ SHEET _ WATER DEPTI _ DATE/TIME	4-1-98 11:00
	DRILLING COMPAN	·	2400	DRIL	LER _	CARL 7	F	START		13	3:35 3-30	COMPLETED	14.00 3-31
STATION / OFFS													
MATERIALS INVENTORY WELL CASING 2 in. dia ≈ 10 11. WELL SCREEN 2 in. dia ≈ 10 11. BENTONITE SEAL PELLETS													
CASING TYPE	PVC FLU5H		EEN TYPE I SIZE	-	0.0				FILTER P		N METHOD	=3 BAGS	
JOINT TYPE GROUT QUANT	1 7 A414 BAGS		TRALIZERS	- -					FILTER P	ACK	TYPE _	QUARTE S	AND
GROUTE TYPE	マテンカル バモ	DRIL	LING MUD	TYPE _		-			INSTALLA	OITA	N METHOD _	POURED	
•													
ELEV./DEPTH	SOIL/ROCK DESCRIPTION			V	ELL S	KETCH	1						
		-1								= _	···-		
-		=								4-		***	
=		E					FIUS	ACE CO	it Kinc	-			
	GROUND SURFACE	<u>-</u>	\vdash		===		50/69	11000	.,	_	NUCEBE	D TO 2 /	92'365
0.0	SEE BORING	E CON	CRETE							шr-			VC , ODISLOT
-2	L0 &2	المرنز ا	1				SEN	TONITE	.				1365 70 ₹
_ ,		Ħ				<i></i>	- BET	JUT.			9'063.	INSTALL	ED 2"d
<i>- 4</i>		El								EL-		ER TO SUI	
<u> </u>		<u> </u>										2 3 BAGS	
E 🔪		2"4	RIJER	200			~BE	NTONI CAP	TE			SAND TO:	
E 8		-	\			1.7		CITT		Ħ,	rounces ruips T	7 5186	S. POURED
F		E		533	=								HYDRATEA
- 10		Ei	i	1 . 2 (1)	=	1993		ובטוטיי		FL.	WZ'LI	FTS TO S	URFACE.
E,		<u> </u>		7.5.	三			GRAD!		4			MOUNTED
F /2		E	.	16.3	三	17.7	F	PACK		F	COUER !	SMALL CO	NCRETE PAS.
E 14		<u> </u>	-	1 - 2	-	1		11111		뒤	·	•	
E		F			1-					E		<u></u>	
-16			<u></u>	1 70	=	25.50	 		i	H			
E		FI,		133	1=					旦			
E 18		0.0	1	133	E]: ;;;							
=20		SLO.	T KLREDI	*	1	- 60 K	NACIA	FP .	 	긤			
E		E								밤			
		-	-		$\dot{\dagger}$			-	1	Ħ	-		
E	·	Ħ											
F													
E					ļ	_ ;	<u> </u>		 	H			
E		E				!				E			
F			-	<u> </u>	+-	:	+	1	+	H			
F		E				:				E		L DEVELOPM	
E		E		i i		:				F			- 20 GALLONS
E		<u> </u>]	<u> </u>	:	ļ	ऻ		F			PUMP. WATER
E		El				;				F	SHOWED CLAR!		MENT IN
E			_ -		+			 - -	-	F	CLARI	<i>,</i> ,	
E		E				į				E	-		
E		F -		 	 	1	1	1		F			
E		E								-			
E		F								Ė			
E		<u> </u>		_!			-	-		<u> </u>	 	<u> </u>	
E		[-]	į	•	:						:	· · - ·	
_				 -	<u> </u>			+-		ij			
L			ŀ		:		ļ			F			

					ld Bo				
DEPTH	HOLE <u>19.2'</u> JOB NO	153-3825	PRO	JECT	3542	مملم.	RS	BORING NO. 60-5	
DEPTH	SOIL DRILL 19.2' GA INSP. C	014	_ DRIL	LING	METHOD .	<u> +5</u>	<u> </u>	33/410 SHEET OF	
DEPTH	ROCK CORE WEATHER_	SUN	_ DRIL	LING	COMPANY	<u> </u>	ME	SUR! IT ELEV.	
NO. DIST.	.SA. TUD. SA. TEMP&	50	_ DRIL	LAK	3	- 24	<u>00</u>	STATED 13: 35 /3-30-92 DRILLER	
100	WL HRS. PROD	·	_ wt.	SAMI	LER HAMM	ER	~	DROP 30" STARTED 13: 35/3-30-92 DROP COMPLETED (5: U.S. 2-30-92	×
TIME W	L HRS. DELA	YED	_ wt.	CASI	NG HAMME	R			
AS AUG	E'TYPES GERSAMPLE BL	BLACK BROWN		M 1	VIATIONS MEDIUM MICACEOUS		SA SAT	SOIL DESCRIPTION -RANGE OF PROPORTION SAMPLE "TRACE" -0 - 1% "SCMC" -12 - 30% SATURATED "UTILE" -6 - 12% "AAO" - 30-50%	
1 D.O. DRI		COARSE		MOT I	MOTTLED MON-PLASTIC	:	SD Si	SAND SILT RELATIVE DEMETY BLOWS CONSISTENCY FINGER PRESSURE	
P.S. PIT	CHER SAMPLE CL	CLAY CLAYEY		OAG (DRANGE DRGANIC	9	SM	SULTY VERY LOOSE VLS 0.4 VERY SOFT VS EXTRUOES SOME LOOSE LS 4.10 SOFT S MOUS EASLY TRACE COMMAND CP 10.30 FMM FM MOUS	
T.O. THI	DITED TUBE F N-WALLED, OPEN FRAG N-WALLED, PISTON GL	FINE FRAGMENTS GRAVEL		PM :	PRESSURE-HYDRA PRESSURE-MAHUA RED	L '	WL	TRACE COMPACT OF 10-30 FMM FM MOLDS WATER LEVEL DENSE DN 30-60 STEFF ST THUMB MOENTS WEIGHT OF HAMMER VERY DENSE YOM 50 VERY STEFF VST THUMBHALL MOENT	
W.S. WA		LAYERED		RES .	RESIDUAL ROCK	•	Υ .	YELLOW HARD H RESISTS THUMBHAIL	
ELEV. DEPTH	DESCRIPTION	BLOWS FT	NO.		AMPLES HAMM, BLOWS PER 6 IN FORCE	REC	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES	
	Ltbour, ton SILTY SAND,		1	PO	2-1-2	1.0/2	_	6mc-2-1 0"-21	
F /	(fire tomed) grades to red-brown, sitt, plashe		7				_	(CLAYET SAND)	
Ė,	to reason sitt plashe		Ė				_		
-2	SILTYCLAY, Some band		Ę			ţ			
<u> </u>	fine to med. SAYO		4				_		
F 3			1						
E 9			4				-		
E 7			3					GW(-5-2 4/2-6'	
- 5	SAA - graves to		72	- 00	4-6-10	1.0/	-	(LAYEY SHUD)	
Εχ			Ē			/2	١.	((12/2/3/32)	
E,	gray , grace ish brown from to shift silty		4				l		•
上つ	CLAY some to said		3			1	-		
Ė	fine to my SAND		3						
Fr	mice in the Street		4		·	ļ	-		
Ę .		1 1	4						
F9		1 1	크	1			•		
ķ ′	,		1/2	//2	445	1.5/2		GWC-5-3 9/2-11	•
F 10	SAG, Zones .L	1 1	4~	"		1	-	CLAYEY SAND	
Ē.,	1 '		1						•
F"	varying clay content		4				•		
E12	predominately graybon	,	4						
E'C			7			}	'		
上り		1 1	4	1					
F			‡						
-14			<u>.</u>		3	11	١.	5-9 1:11	
Ė',			7	Do	3-4-6	113/2		GWC-5-9 16/12-16	
E15	-00 -1		4					(CLAYEY SAND)	
Ĕ,	SAA, Sl. moist 2		3		1				
EIL	≈ 16'bg >	1. 1	4				1		
Ę			‡					well inste	(le) +
F/7			4		-			~	١
Ē			1			1		~	1 -
FIR			4				1		2.5 bag
F			₹.		1				SAND to
E 19	-A	1	4	_		1			7169
Ė,	70		72	-100	3-12-1	6 l-5/_	,	6WC-5-5 19-21	1
E 5∘	Intermittent		4			/z	4	1 5474	20.5 65
F-31	above and white	-	4					(SAM)	nentoris
F 1	fine to consc,		4						chips
E	SAND		Ξ.						5169
Ė	1		- ‡	.	1				(رو د ا

GA INSP C WEATHER TEMP.	53-3325 DH SUN EF	PROJECT DRILLING METHOD DRILLING COMPANY DRILL RIG		<u>»А</u> ИЕ	1 - Br	2				ID ELEV R ELEV.		-W-6 - 30 3-31	WATER DEP	4-1-97 12:00
STATION / OFFS	SET .			MA	TERI	ALS IN	IVENT	ORY						
WELL CASING CASING TYPE JOINT TYPE GROUT QUANT GROUTE TYPE			SCREE	N TYPE SIZE		2 PVC 0.01		10		INSTALL FILTER FILTER	ATION PACK (PACK 1	METHOD _	PELLET. POURE! A 4 BAG QUARTE S POURED	5
	COL BOCK	DESCRIPTION			V	FLL SI	KETCH				T			
ELEV./DEPTH	SUIDROCK	DESCRIPTION	:		1						E			
	GR	OUND SURFACE				·	FI	usił m	C45	!NG				
- 0.0 - 2 -	SEE BORI	NG-LOGS		73211TB					PAD	re		INSTAI SCREET	V FROM?	185' BES TO
- - - - - - - - - - - - - - - - - - -			GRO	<i>y</i>					ENTO. CAP	V/TE		PUC RI POURED	SER TO 4 BAG	S MEDIUM
8	e .					(<u> </u>			POURE CHIPS	10 / BAG	2 6'BGS. BENTONITE BGS, POURED
10			2"β - ρυς R	SER		=		GR	EDIUM ADE			IN 21	LIFTS LED FLUS	HYDRATED TO SURFACE SH MOWITED
- 12 - 14								SH	0.01	4K		COUER	: ¿ SMALL	CONCRETE PAD.
E-/6		•							SLOT SCEE	N.				
18							6"EN	OCAP						
111111111111111111111111111111111111111										<u>.</u>			-1	
							<u>;</u>		-		<u> </u>		ELL DEVELOP	MENT NOTES
							<u>.</u>				E	REMO W/SU	ONED & 1	5 GALLONG FUMP. WENT
						<u> </u>	:			-		QUK K	LY UA	MES RECOVERE TER SHOWED T. BUT STILL
							:					TURE		
						<u> </u>								
<u> </u>			· -		-	<u> </u>								

Golder Associates

Golder Associates

Field Boring Log

ſ.	1951	108 NO 453-3925	PROJECT Savanish - Eramptin & J	BORING NO. 6 4)C- 6
ľ	DEPTH HOLE 10.3	308 RO. 133 3824	DRILLING METHOD HSA 33/4 10	SHEET OF
: 1	DEPTH SOIL DRILL /J.)	GA INSP. SUT	DRILLING WEITHOUS SIMP	STAFACE ELEV.
ŀ	DEPTH ROCK CORE	WEATHER SOA	DRILLING COMPANY	DATUM
١,	O. DIST. SA. TUD. SA T	_ ТЕМР	DRIEL RIG ETTILES	
		~	14 - 11 - 20	STARTED 8:30 / 3-31-98
Ι,		UBS DELAYED	WT. CASING HAMMER DROP	COMPLETED 15:30 1 3-31-93
1	TIME WL	. HAS. DELATED	WI. CASING HAMMEN	

SAMPLE'TYPES A.S. AUGER SAMPLE BL C.S. CHUNK SAMPLE BR	ABBREVIAT BLACK M MEDIUM BROWN MIC MICACE	S SOIL SA SAMPLE SAT SATURATED SD SAND	DESCRIPTI	0 - 5%	RANGE ("SOME" - 12 - "AMO" - 30-8	30%	PROPORTION
D.O. DAINE OPEN C D.S. DENISON SAMPLE CA P.S. PITCHER SAMPLE CL R.C. ROCK CORE CLY S.T. SLOTTED TUBE F T.O. THIN-MALLED, DPEN FRAQ W.S. WASH SAMPLE LYD U	COARSE MOT MOTTLE CASING NP NONPL CLAY OG ORANGI CLAYEY ORG ORANGI FINE PH PRESSU FRAGMENTS PM PRESSU GRAVEL R RED LAYERED RES RESIOU. LITTLE RX ROCK	SI SILTY SIY SULTY SM SOME RAULIC TR TRACE	MELATIVE DEMETTY VERY LOOSE VLS LOOSE LS COMPACT CP DEMSE SM VERY DEMSE WON		CONSISTENC VERY SOFT SOFT FIRM STIFF VERY STIFF HARD	VS S FM ST	THUMBHAL INDENT

			7		AMPLES		I	
ELEV.	DESCRIPTION	BLOWS	NO	TYPE	HAMM. BLOWS PER 6 IN (FORCE)	REC	EPT	SAMPLE DESCRIPTION: AND BORING NOTES
	mainly waste shingle meterial (asphalt/far aggregats) mixed w/ tarkbrown, Linn plastic SILTY CLAY Little to some him sand		7		(FORCE)			Apple - 1 0-21 - odor Note: often borna Through line (continue) (224,-) born nolled forces (learned of the process from Jerrains John to process from Jerrains
1 4 5 6 7	Contings show - Jork green to highery wry sold to conty, loose SILTY CLOTY Fine to MLJ SAND (CLOTEY SHO)		مبيليييليييليييل ح	≯ 45	2-2-5	%	-	CUI-6-2 41/2-6 has More constrainty no sample (J. Merch from surface) emils from worthole
	different of and chemical fine to med SAND come to and cety		متقاميماميمارييمانييران `^^	٥	5-7-7	1.5/2		GWE-6-2 - 9/2 - 1/ 1/-14 when where the mater same up wherefore to the mixed of an
13 14 5 16 17 8	(clayey sand) gray green, ormay wolfd s.ITY CLAY, Johne f. m send grave) to comise gray quarte sand, since		ىيانىيىلىيىلىيىلىيىلىيىلىيىلى ج	Do	3·5-7		-	Soil Puptaken Lee
20	Clay - Saturated, chemical odor		بيبيا بينيا بينيا يتينانين					

JOB NO.	953-3825 COH	PROJECT DRILLING METHOD	DF/	BRAN SH .	np 700	00	GH		_ WELL _ GROU	NO. ND ELEV.	GW-7	_ SHEET _ WATER DEPTH	1 10.10
WEATHER	SUN	DRILLING COMPANY	(<u>Whi</u>	1 + 6 k	e-				COLLA	R ELEV.		_ DATE/TIME	10-7-99
TEMP.	70	DRILL RIG	ATV B	-30	DR	LLER	RON	1	_ START	TED	OCT 6 1999 TIME / DATE	COMPLETED	00+61999 TME/DATE
STATION / OF	FSET		 -										
				MA	ATER	IALS	INVEN	TORY	,				
WELL CASING		in, dia. 25	I.f. WELL	SCREEN	_		2 in. di	a. 10) <u>i.f.</u>	BENTONIT	E SEAL <u>C</u>	14185	······································
CASING TYPE		PVC		N TYPE	_		PVL				TION METHOD	POURED	-
JOINT TYPE	- FLU	5 H	SLOT S	SIZE RALIZERS	_		0.015	,		FILTER PA	_	= 7 bags # 1 Situa	
GROUT QUAN		WITE DELLET									TION METHOD	POUREA	
ELEV./DEPTH	SOIL/ROCK	DESCRIPTION			v	VEIT S	SKETC						
	, ooibitooiti		- !		, 	·	I	<u>. </u>					· · · · · · · · · · · · · · · · · · ·
-			3							Ė			
- -		ĺ					K		N H SU				
	GR	OUND SURFACE]]						CHEIN	E			
- 0.0	,	, -, ,,	- Control	. }		-	>				Advance	ed pilot b	oring to
- - - 2	LOUSE, DERE	ge/wh.te/brown	AND	ン	7					F		ne do site	
	SILTY CO	HY AND]]				İ		E	-1	14 my 6	/.
- 4	(fm) SAN	1) become	- !		<u>/ ;</u>		1				Augers		5°69s.
= '	Saturated									F		1 J	
- 6	2010 W. CO	~ /0	<u>-i i</u>								Screen f	1 10 0 0 f 1	7.010 5/0+ 2 ' 0 PVL
-	•		=						1	F			ba: Installa
- - - -		Į					1/	i			Cilter pa		21'695.
_ _/o								ł				Sentonik	
= , =			-				1	Ro	Lonit	, -	ground	Suntage.	Completed
<u>-</u> 12					/		1/1		5	Ē	Jo-/ floor	th mount	finish.
_ ` _			<u> </u>	1	/				1		ļ	., ,	1.7.1.
- 14		;	- !		$\langle - \rangle$		1/					well 1021	halled jasile
<u>-</u>		ļ	=				James P.			F	augers		
-16		ļ	-: <u> </u> -:		\leftarrow								
= - 18		ļ							2"4	F			
<u>-</u> /ਨ			-1						PUC.	52 -			
- 10							1		ĺ				
-20 -22	wet, loose	gray with		1		•							
- -22	CLAYEYS												
										Ė			
-24	GRAVEL	1 (1000)	- -		-		<u> </u>						
	(C-m gra	- (1)- some	=	j	c	<u>-</u>	Throat I			F			
-26	clay stri	rgevs	<u>-: !</u>	-	-, /		<u> </u>						
-			∄	ļ		=				Ē			
<u>-</u> 28 =		İ	- Sa-1 (Tter						E			
- -28 - -30			pade		7[=		*		E	WELL	DEVELOPMEN	
						<u> </u>			1056	-	Continu	ous cycle	5 24
= -32 =			1			_			Scree of				og ibailing
<u>-</u>	FIRML, MOI	st to wet								E	Removi	1'= 500	s/lons Life!
<u>-</u> 34			-		. , [Δ	1	+				<i>J</i>	
= '	SILTY C	CHY, 4							İ	F	-		
<u>-</u> -	to little	1-m:	<u>-</u>								•		
_	Sand (m									E			
-	Total Di	11 depta	-						<u> </u>		•		11-12-11
=	2 34.5]	}						F		.	
- -	+									Ē			
= 3													
_								İ		Ė	<u></u>		
_	1	[i				, 1	- 1			_I		

JOB NO GA INSP WEATHER TEMP STATION / OFF	9533825 PROJECT C D H DRILLING METHO 5UV DRILLING COMPA 75 DRILL RIG	D	45	H take	61/4	00				UND ELEV. AR ELEV.		SHEET WATER DEPTH DATE/TIME COMPLETED	1 434 10-7-19 10-5-00 TIME / DATE
WELL CASING CASING TYPE JOINT TYPE GROUT QUAN' GROUTE TYPE	2" \$ PUL FLUSH		WELL SC SCREEN SCOT SIZE SLOT SIZE SENTRAL DRILLING	REEN TYPE E JZERS			in. 0	sia. / €	> <u>i.f.</u>	FILTER P	ATION METHOD ACK QTY. ACK TYPE	BENTALITE POURED TO THE #ISAND POURED	\$
ELEV./DEPTH	SOIL/ROCK DESCRIPTION				1	VELL:	SKETC	Н					
	GROUND SURFACE						F	Lush	MOUNT CASIA	4			
- 0.0 - 2 - 4	LOOSE, SI MIN & Orange White bown SIETY CLHY AND (F-m) SAND	رون ا	n = ==================================	١							50. 1 1. 6 14 " C	ed pilot be D - Reuned D Augers H out wood	4.61. w/ 0 35'60s
- 6 - g	BELOMES SHIDEATED							- 35	NOTEN	175	10' of 1 25' of 1 ====================================	0.010 s/o+ 2"\$ riser, 693 last	screen and ine (PUL) to
10					/				2" b		Enilar	, , , ,	to surface
- 12 - 14 - 16									Rive.				
- 16 - 18				Table Institute of the last of									
70					1								
- 4	aret loose greyish white CLHYEY SAND												
26	GAPUEL (fic son), fin · growel) - some clay stringers			-									
26 28 30 32								0.1	21031.	<i>t</i>		DEVELOPMENT	
		⊢ 1	D PACI	1	-; / - / - (=					bailir	of surging,	1 = 45g=1
36	FRANTOSTIFF Moist to wet grey green SILTY CLAY, to to little 5-0:50ND Conicaccus			-									
[.	Total Orill Depth A 35 bgs - Total well depth = 34.80	-											
	has	=								E			

JOB NO. 95	3-3625 PROJECT	DL/BRAMPTS			GW-9 SHEET
	DRILLING METHOD	HSA - 6740	D	GROUND ELEV.	— WATER DEPTH <u>6.9 У</u> — DATE/TIME <u>/0-7-</u> fc
WEATHER &	DRILLING COMPANY	ATVB-30 DR			0-4-99-1/20 COMPLETED 12-4-44 15:30
_	DRILL RIG	# (V D-50 DR	ILLER ROPT		TIME / DATE TIME / DATE
STATION / OFFS	ET	1447ED	IALS INVENTORY	•	
					ESEAL BENTONITE CHIPS
WELL CASING	2 in, dia. 35		2 in. dia. 10	I.f. BENTONIT	TION METHOD POURE P
CASING TYPE	2"bfVC	SCREEN TYPE	PVC 0.010	FILTER PA	5
JOINT TYPE	TRICOL FLUSH	SLOT SIZE . CENTRALIZERS	0.010	FILTER PA	CK TYPE
GROUT QUANT	75 Pr// 5 ()	DRILLING MUD TYPE	-	INSTALLAT	TION METHOD POUXED
GROUTE TYPE	£ Pr.				
	SOIL/ROCK DESCRIPTION	,	WELL SKETCH		
ELEV./DEPTH	SOIDROCK DESCRIPTION	-1 1 1			
E I			'	-	
<u> </u>					DRILLED YILOT BORING
E !	GROUND SURFACE				FOR SEIL IDENTIFICATION.
0.0					REDRICLED W/6/400 AUGICS
Ez	LOPSE TO VERT	<u> </u>			TO 2 34'BGS - POUNTED
E	(0056, 01077250				10' of 0.010 SLOT SCREEN &
Ey	ORHEROE PROPRIE		1-1/1-		25'OF 2" & PUC RISER
Ė '	SILTYCLAY; fom				PIPE TO = 33' BGS.
= 6	SAND (QUARTE)				INSTALLED FILTER PACK
F	!				to \$19'863. POURED
E 8	BE COMESSATURITER				SENTONITE CHIPS TO
E	027/865-				GROUND SURFACE,
-10	TURNS GREY /BROWN				
F.,	D 3 15' 86)		1 - 1 -		
FIZ					
E ₁ ,4			4	+	
E''					1
F16			1 1/1		
F					
F18					
<u> </u>		F I			
50	WET, LOUSE 75				
EZZ					<u> </u>
ΙΞ	V. COOSE GREY/WHITE		1 = 2		
Ezy ~	CLATEY SAND'S			+	
E '	GRAVEL (f-c sand,				H
E26	f-c GRAVEL)		1-1		
Ė.	1				<u> </u>
28	GRAVEL UP TO				WELL DEVELOPMENT NOTES
F,	311 6, rOUNDED		- 4		
E33	10		57		bailing - 2 Togallers commend
=32	/	_ _ - -			1
E	FIRM, MOIST TO WET,		رمان المراجع المراجع		
E34	GREYGREEN			 	
E ´	SICTYCLAY, +race				
F/6	Llittle f-m SAND				<u>E</u>
Ė.	(miexcee-1)				<u> </u>
E38 -	•				F
E	1				=
E					
E					
<u> </u>			1		

2	DF/BRM HSA-67 Whitlake ATUB-30	u oD	RD/GA	WELL NO. GROUND ELEV COLLAR ELEV. STARTED	GW-10 0cf6,/999 TME/DATE	DATE/TIME 10-7-99
ASING 2 in dia. 25 TYPE 2" P P V L YPE F LUSH QUANTITY ETYPE BENTON ITE PELLET	I.f. WELL SCREEN SCREEN TYPE SLOT SIZE CENTRALIZER	s	2 in dia. ?vc 0.010	/ O I.f. BENTON INSTALL FILTER F	ATION METHOD 7	HIPS POURED HYDE STEE = 6 BAGS I SAND POURED
PTH SOIL/ROCK DESCRIPTION		WE	LL SKETCH	. ,		
GROUND SURFACE				LUSH MOUNT CHSING		
CRANCE/WHITE/BROWN MOTTLED SILTYCLAY AND For SAND	CONCRETE			_ 2" d PVC	de termin Jepth - 6 14 03	Pilod boring to use to pot clay re-alvance traces to = 245'by traces plag install
Becomes satisfied D 2 9' bgs				_ 2" q F Y C	25' of	010 Scot Screen i 21' to fuc riser to as Institled file = 21'bgs foral
					- Shydrale	d bentuite clops to o-face. Completed mount finish !
	Bentonike chips		The state of the s			ell instilled inside
Grey/while CLAYEY SAND & GRAVEL				- SANA FILTER PACK		
(f-c sand, f-m gravel)			1 1 1			
		2 / -			Continuo	EVELOPMENT NOTES or cycles of surging bailing
FIRM A STUFF, MOIST TO	0.010 slet buc seren	• / =			Removed	surging (bailing 248 gallons
SILTY CLAY Fr & little f-m: SAND - millions						
(TOTAL DRILL DEPTH 234.5' 695)						

JOB NO. 9 GA INSP. WEATHER TEMP. STATION / OFF	753-3825 CDH SUN 70 9		10110. 15. 100 100 100 100	12817, A - 6	mp70	N RZ	1614		WELL GROU	. NO. JND ELEV. AR ELEV.	GW-11	SHEET WATER DEPTH DATE/TIME O COMPLETED	5.84 /0-7-00 /0-5-00 TME/DATE
WELL CASING CASING TYPE JOINT TYPE GROUT QUANT GROUTE TYPE	2 2"¢P FLUSH		SCREE SLOT S CENTR	SCREEN IN TYPE	- - -		10			INSTALLA FILTER P	ITE SEAL ATION METHOD ACK QTY. ACK TYPE ATION METHOD	≈ 7 BAGS HISAND	
ELEV./DEPTH	SOIL/ROCK	DESCRIPTION			v	VELL S	KETCH	i					
		OUND SURFACE						Fi	USH B CASIA				
0.0 2 1 4	Loose, liter orange to CLIAY &	sboun, n SILTY SAND	(OA)(F	+5)		0					Re-a auger	rood plug in	Lockey. 14"00 bas, Pourse stalled 28'
- G - G - G - 70	`								ינגסת CHIP		10 f 1 10 s fall 24 'ba to 50.	continue to the server of the server of the server of the mount of the mount of the server of the se	o 37,5' has ck to 3 tanific chips letel out
- 11 - 11 												77.00	
-/8 -/8									ZI'O PVC R	ISER			
=20 = 22 = 22 = 24	Wef, loose			•	/							-	
-28 -28	CLAYEY SI GRAVEL ((+ m grave	7-c sand) 1) - sem									_	ELL DEVELOPMENT	
_30 _32_	Clay string	ye*'							010 £		Continu	ous explice on the services	1 surging
= = 34 = 36	Tirm to STIF	F MOIST TO						~S#	ND PF	ck			
38	SILTYCLE Fin sull, a	77, tr.				- V-			FILT				

JOB NO.	953-3825	PROJECT		BRAMPTO.		4016	ca	_ WELL	. NO.	GW-12 SHEET 1
GA INSP.	CAH	DRILLING METHOD		15A - 644	وه			_	JND ELEV	
WEATHER TEMP.	70°	DRILLING COMPAN DRILL RIG		4 ker 3 Musike DF	PILLED	Rongi	Therson		AR ELEV. TED	DATE/TIME 2:30 - 3-27-00 COMPLETED 2:30 - 3-27-00
STATION / OFF		DALLAG		<u> </u>	week .			_ 5120		TIME / DATE TIME / DATE
				MATER	IALS	INVEN	ITORY	′		
	2	in, dia, 10				in, di				NITE SEAL CHIPS
WELL CASING CASING TYPE	PVC			SCREEN IN TYPE		in, di ひし	a. / -	<u> [.f.</u>		NITE SEAL CHIPS LATION METHOD POYRED
JOINT TYPE	FLUS	ч	SLOT S	•	0,0	10				PACKQTY. = 5 695
GROUT QUANT	- / 2/	Pellets		ALIZERS						PACKTYPE #15823 LATION METHOD POUREA
GROUTE TYPE	Denmaia	relieva	DRILLIN	NG MUD TYPE					INSTALL	LATION METHOD POURED
			1							
ELEV./DEPTH	SOIL/ROCK D	ESCRIPTION		· · · · · · · · · · · · · · · · · · ·	VELL S	SKETCH	- 1		Ī	L
-										
<u>-</u>			Ei l		 			+ MO1	nt	
_	GRO	UND SURFACE					Flas	FIN	5 14	
- 0.0 -										Advanced PILOT BOKING TO
2	Mist, firm			_/_	ļ			,		Flatermine depte in clay
-	white, term	mottled			İ	//	- Ben	buite		Re-wormers w/ 6"14" 013
- 4	SILTY CL	Ayand					:	Chip		- (clay encountered = 17,5')
-6	54ND (F-1	7)					-			Pounded of plad installed
-6	Wintermitte	rational se				(1				= 10'0 to.010 slot pue seizen
-8	•	•		, C						E and 10' of 2" & puc rise
-	hyers - b	61475	Rise		Ξ	6	ود –	Ci'lh	_	to surface. Justalles fille
10			-1 1-12	1, 7	=	5,	!	7	1 1	pack to 26'693-forms hydrial bentonik chips to
١٤.	SAA, inco	ess.		1.0	=		ŀ	·		- around surface. Completed
-	clay corten	f. leases	=		Ξ	,				wy flosh mosal finish
- 14	01 Smed ;		=	- 3.7	三			()-		
- '	,	,			<u> </u>	7		Sure	. ~	
16			<u>-1</u>		-					<u>- </u>
10					三	· /-				
-18	Firm to shill to well go		=	c .	-	, I				
20	9		=		75		i			
	SICITECH	Y, micacine								<u> </u>
22	(Berryville	}							<u> </u>	-
- 24]			Ì				
- 29										
	END OF PIL	OT BORING								
-			3							<u> </u>
-			_							<u>-</u>
[=							WELL DEVELOPMENT NOTES
										- Continuous cycles of pumping
-			=							El Surany of bailer/pump
										2 4/3 gallons removed (well
-			-			<u> </u>				- went dry pensolvally, allowed
: I			=							reare-7)
·										
<u>:</u>										
			1							
-							-			
										E
			-							E
:			3							

		,			•
[]					
					•
				•	

PLATE 2

DATE 11724/87 СНЕСКЕР ВҮ BY TATA

DATE

Η

REVISIONS

BY TE L. 187

CHECKED BY BELL

CE	٦		BORING B-2				
SAMPLING RESISTANCE (BLOWS/FOOT) NSPT	ET)	L IION	SUBSIACE SUSVATION NOT DECORDED				
G RES	оертн (FEET)	UNIFIED SOIL CLASSIFICATION	SURFACE ELEVATION NOT RECORDED WATER LEVEL AT 9.5 FEET DEPTH				
APLING OWS/	EP T	UNIFIED	WHEN LEVEL AT 3.3 TEET DET IT				
SAN (BL	0	5 ਹ	DESCRIPTION	BKG	OVA		
		SP	SAND, LIGHT BROWN, FINE TO YERY FINE GRAINED, TRACE ROOTS				
22.	_ -	4/	GRAY CLAY MOTTLED WITH RED CLAY.	1.0	0.8		
20			SANDY, TRACE MUSCOVITE	1.0	1.0		
	5—	\$ SE		1.0			
20	-			1.0	1.0		
24		Sc sc	LIGHT GRAY CLAYEY SAND, FINE TO VERY FINE GRAINED, TRACE MUSCOVITE	0.0	·· 12		
27 4	— ¥		LIGHT GRAY SAND, FINE TO YERY FINE	2.0	12		
22	10	\$\frac{1}{2} \frac{1}{2} NED, TRACE TO LITTLE CLAY, TRACE MUSCOVITE	4.0	28			
			GRAY SAND, FINE TO YERY FINE GRAINED, TRACE MUSCOVITE, LITTLE				
	_		YELLOWSH TAN SAND WITH DEPTH -				
- 22 🖾 1	15—			4.0	30		
		SP SP					
			GRAY SAND, FINE TO YERY FINE				
			GRAINED, TRACE MUSCOVITE AND TRACE CLAY				
4 🛭 2	20 F:			2.0	12		
		E	BORING TERMINATED AT 20.0 FEET ON 10/29/87	,			
:							
ļ	OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)						
BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)							
process							
M DISTURBED S UNDISTURBED HO SAMPLE	SAMPLE RECOVERE	ŒD					
STANDARD P		UN IEST		OE D			

LOG OF BORING

DAMES & MOORE
PLATE 3

D & M JOB NO

PROJECT: RHEEM DRUM LOCATION: SAVANNAH, GEORGIA

PLATE 4

REVISIONS В

DATE

DATE 11/24/87

CHECKED BY BELL BY TATA

LOCATION: SAVANNAH, GEORGIA

REVISIONS

出

PLATE 5

DATE

ВҮ

REVISIONS

		· · ·	 		····		
	NCE PT			BORING B-5 (WELL 2	2)		
	SAMPLING RESISTANCE (BLOWS/FOOT) NSPT	FEET)	SOIL	SURFACE ELEVATION NOT RECO	RDED		
	LING R 13/FOC	оертн (FEET)	UNIFIED SOIL CLASSIFICATION	WATER LEVEL AT 8.5 FEET DEP	тн		
	SAMP! (BLOW	O DEF	UNIFIED	DESCRIPTION	ВКС	OVA	
		_	SP SM	DARK BROWN SAND, SILTY, TRACE ROOTS			
	9 🖪	_	SE SE	GRAY CLAY MOTTLED WITH RED CLA SANDY WITH TRACE MUSCOVITE	1.0	2.4	
	11	5	Sc Sc	GRAY SAND MOTTLED WITH RED SAI FINE TO VERY FINE GRAINED, CLAYE WITH TRACE MUSCOVITE	ND, 1.0	220	
	20 🗷	_			10	48	
		_	SP SC	REDDISH ORANGE SAND, FINE TO YE FINE GRAINED, SOME CLAY	TRY 4.0	22	
		_	7/18F	GRAY CLAY MOTTLED WITH RED CLA SANDY WITH TRACE MUSCOVITE			
	23	10		LIGHT GRAY SAND, FINE TO YERY F GRAINED WITH YELLOWISH ORANGE ! TO YERY FINE GRAINED SAND	INE 4.0	46	
	16 🔼	15	SP	GRADING WITH MORE YELLOWISH ORANGE FINE TO VERY FINE SA		56	
	4 3 ∡	20	SP	LIGHT TAN SAND, FINE TO COARSE GRAINED, QUARTZ WITH 0.125" TO (QUARTZ GRAVEL	0.25"		
	+-2 ME	20	E	ORING TERMINATED AT 20.0 FEET ON 10/	* 4.0 * /30/87	5.0	
1	OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)						
	BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)						
	M DISTURBED M UNDISTURB I NO SAMPLE I STANDARD W WATER LEV	ED SAMPLE RECOVERI PENETRATI	ED				
			TI DDIII		LOG OF BO	ORING	
1 []	シムコレクエ	131117	II DOME	i i			

DAMES & MOORE
PLATE 6

ઐ

PROJECT: RHEEM DRUM LOCATION: SAVANNAH, GEORGIA

ВҮ

REVISIONS

BY THIS DATE 11724/87

CHECKED BY BELL

ANCE	- 7			i	BORING B -6 (WELL 3)		
SAMPLING RESISTANC (BLOWS/FOOT) NSPT DEPTH (FEET)		UNIFIED SOIL	:	SURFACE ELEVATION NOT RECORDED			
SAMPLING RESISTANCE	74/5#1	ОЕРТН (FEET)	UNIFIED	,	WATER LEVEL AT 9.5 FEET DEPTH		
SAM	(OLL)	0	CLA	•	DESCRIPTION	BKG	OVA
	_		SP	FILL GRAY	' SAND, FINE TO VERY FINE NED, TRACE SILT		
22				GRAY	CLAY MOTTLED WITH RED CLAY.	4.0	22
26		·	\$£	SAND	OY WITH TRACE MUSCOVITE	4.0	280
24		5	SP SC	GRAII GRAY	SAND, FINE TO YERY FINE NED WITH RED SAND CLAY MOTTLED WITH RED CLAY, Y WITH TRACE MUSCOVITE	4-0	130
50		-	SP	GRAII	GRAY SAND, FINE TO VERY FINE NED WITH YELLOWISH ORANGE SAND, TO VERY FINE GRAINED	4.0	· 78
1 7		10				4.0	220
		_	SP	GRAIN	TAN SAND, FINE TO COARSE NED QUARTZ WITH 0.125" TO 0.25" TZ GRAVEL		
8	A	15—	J. J.	YELLO	DWISH ORANGE SANDY CLAY		
			of sc			4.0	18
			SP	LIGHT TO VE	YELLOWSH ORANGE SAND, FINE ERY FINE GRAINED		
7	A	20			1	4.0	20
			ВО	RING TER	MINATED AT 20.0 FEET ON 10/30/87		
					:		
					. •		

OVA = OVA 128 FLAME IONIZATION DETECTOR (ppm)

BKG = BACKGROUND LEVELS AMBIENT AIR (ppm)

- E DISTURBED SAMPLE
 UNDISTURBED SAMPLE
 IN NO SAMPLE RECOVERED
 STANDARD PENETRATION TEST
 WATER LEVEL

LOG OF BORING

DAMES & MOORE PLATE 7

PROJECT: RHEEM DRUM

LOCATION: SAVANNAH, GEORGIA

	NCE			BORING B-7 (WEL	L 4)	
	SAMPLING RESISTANCE (BLOWS/FOOT) NSPT	EET)	JIC TION	SURFACE ELEVATION NOT F	RECORDED	
	NG RE	ОЕРТН (FEET)	UNIFIED SOIL CLASSIFICATION	WATER LEVEL AT 9.5 FEET		
	KOWS	DEP1	NIFIE			1
	/S/ E)	0	⊃ ∪ SP	DESCRIPTIO GRAY SAND, FINE TO VERY FINE		OVA
			10/ 10/ SC	GRAY SAND, FINE TO VERY FINI GRAINED, TRACE ROOTS GRAY CLAYEY SAND MOTTLED V CLAYEY SAND	MTH RED	
	36		9/9/SC	GRAY CLAY MOTTLED WITH RED SANDY WITH TRACE MUSCOMTE	CLAY, 2.0	28
	11	_	5P SC	DARK GRAY SAND, FINE TO VER GRAINED, TRACE SILT	RY FINE 20	1000
	_	5—-		DARK GRAY SANDY CLAY LIGHT GRAY CLAY MOTTLED WIT	1	> 1000
	13 🗷			YELLOWSH ORANGE SANDY CLA		300
		_	Sc		·	
	15.				10	84
	26	10		I CUT CDAY CAND FINE TO VE	N 51/5	
	20	_	SP	LIGHT GRAY SAND, FINE TO VEF GRAINED	RY FINE 4.0	24
		_		LIGHT TAN SAND, FINE TO COAF		
	•	_	SP	GRAINED QUARTZ WITH 0.125" 1 QUARTZ GRAYEL	TO 0.25"	,
	13		6/6	LIGHT GRAY CLAY MOTTLED WITH	н	
		15	sc sc	YELLOWSH ORANGE CLAY, SAND		56
		_[19/9/			
			SP	LIGHT TAN SAND, FINE TO COAR GRAINED QUARTZ WITH 0.125" T QUARTZ GRAVEL	RSE TO 0.25	
	3 a	20-	/0//0/SC	LIGHT GRAY CLAY MOTTLED WITH YELLOWSH ORANGE CLAY, SAND	H DY 4.0	30
			E	ORING TERMINATED AT 20.0 FEET ON	I 10/31/87	
}				·		
				• •		
67				•		
-04		•				
001	0111					
16298-001-049				TION DETECTOR (ppm) AMBIENT AIR (ppm)		
162	DA	3		modern viir (bhin)		
o O N	M DISTURBED	SAMPLE				
JOB N	UNDISTURB ON SAMPLE STANDARD	ED SAMPLI E RECOVER	RED			: :
Ŋ M	WATER LEV		ion (La)	_	LOG OF E	ORING
ষ	PROJECT:				1	
	TAGATION OF THE PROPERTY OF TH					

DATE

₽

REVISIONS

BY TATA DATE 11/24/87

СНЕСКЕР ВҮ ВЕЦ

BY-min Conte Front/B7 CHECKED BY BELL

REVISIONS

╁

REVISIONS

B) TRIA DATE 1172+/87-

В

ATLANTA ENVIRONMENTAL MANAGEMENT, INC. MONITORING WELL LOG

<u>:</u> ;			Date: 0/10/02	· · · · · · · · · · · · · · · · · · ·	
Owner: Georgia Drum Well No.: MW-4 Location: Garden City, Georgia Driller: Jim McClain Geologist: Tony Gordon Drilling Method: Hollow Stem Auger			Date: 9/10/92 Screened From: 5.0 ft. to 15.0 ft. Gravel Pack: 20-30 mesh to 3.0 ft. to 3.0 ft. to 3.0 ft. to 3.0 ft. to surface Water Level: 6.52 ft. below well to well top elevation:		
Depth From	(feet) To	Litholog	37	Remarks	
0.0	3.0	CH-CL - Firm, gray, red b	rown, mottled, CLAY,	Sample #1(3.0 ft.)	
		15-25% very fine-fine san	15-25% very fine-fine sand, medium plasticity		
<u></u>					
	5.0	CL-SAA, low plasticity	Sample #2(5.0 ft.)		
	7.0			(Hydrocarbon odor)	
7.0		SC - Soft, gray, greenish	Hydrocarbon Odor		
		low plasticity, wet			
	11.0				
11.0		CH - Stiff, gray, orange	Hydrocarbon Odor		
··-		clay, 5-10% very fine san			
		wet			
·	13.0				
13.0		SC - Soft, gray, clayey,	Hydrocarbon Odor		
		medium plasticity, wet	·		
<u>•</u>	.15.0			·	
15.0		CL - Firm, gray CLAY, 20-3	BOX very fine sand,	Hydrocarbon Odor	
		low plasticity ·			
	16.0				
		·			
	16.Ò	Terminate Soil Boring			

ATLANTA ENVIRONMENTAL MANAGEMENT, INC. MONITORING WELL LOG

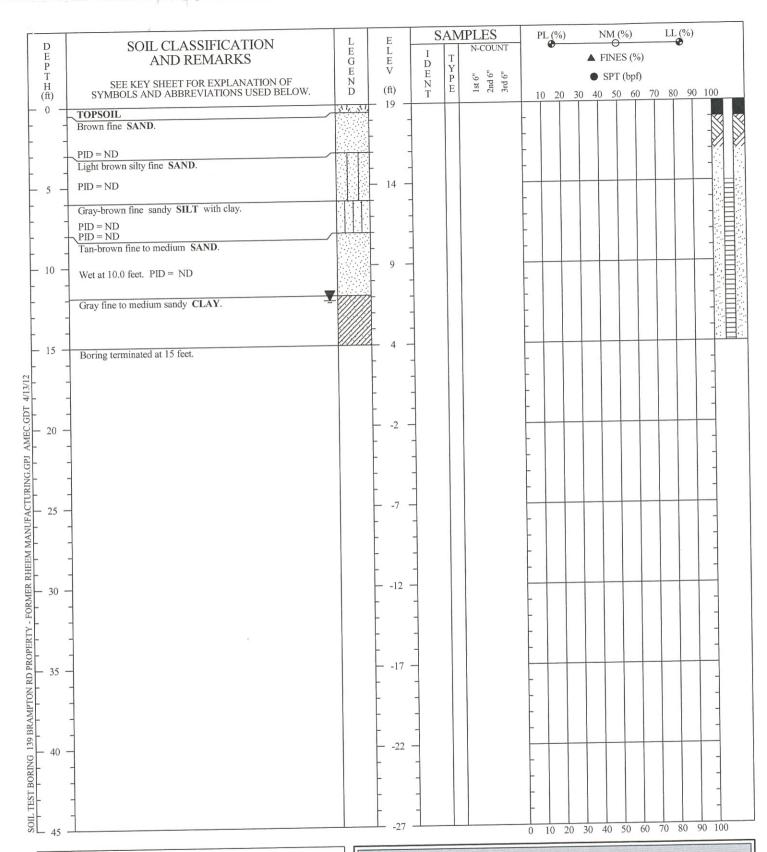
			Date: 9/10/92		
Well No. Location Driller: Geologis	Paul C	City, Georgia	Screened From: 5.0 Gravel Pack: 20-30 m Bentonite Seal: 1.0 Concrete Seal from Water Level: 6.97 Well top elevation:	esh to 3.0 ft. ft. to 3.0 ft. 1.0 ft. to surface ft. below well top	
Depth From	(feet) To	Lithology		Remarks	
0.0	3.0	CH - Firm, red brown, gr	ay, mottled, clay,	No Odors :	
		10-15% very fine-fine sa	nd, high plasticity		
· · · · · · · · · · · · · · · · · · ·	4.5				
4.5	6.0	SC - Gray, gray-tan, ver	y clayey, very fine-	Hydrocarbon Odor	
		fine sand, low-medium pl	lasticity, moist		
	9.0				
9.0		CH - Stiff, orange brown	n, CLAY, 5-10% very	Hydrocarbon Odor	
		fine sand, high plastic	ity, moist/wet		
	13.0				
13.0		SC - Soft. gray, clayey	, very fine-fine SAND	Hydrocarbon Odor	
	<u>.</u>	medium plasticity, wet			
	15.5	Terminate Soil Boring		•	
				•	
	_	: •			
)	·			
);.				

ATLANTA ENVIRONMENTAL MANAGEMENT, INC. PIEZOMETER WELL LOG

		·	Date: 9/3/92	
Well No. Location Driller: Geologis	Paul C	City, Georgia	Screened From: 4.0 Gravel Pack: 20-30 m Bentonite Seal: 1.0 Concrete Seal from Water Level: 3.93 Well top elevation: _	esh to 3.0 ft. ft. to 3.0 ft. 1.0 ft. to surface ft. below well top
Depth (feet) From To Litholo			ogy	Remarks
0.0	4.0	SC - Soft, orange brown,	gray, mottled,	Sample #1 :
		clayey, very fine-fine S	AND, low plasticity,	(4.0-6.0 ft.)
		wet		
	9.0	SC - Same as above (SAA)	, wet	Sample #2
				(9.0-11.0 ft.)
	10.6			
10.6	14.0	CH - Stiff, gray, orange	e brown, mottled,	Sample #3
		fatty clay, 10-15% very	fine-fine sand, high	(14.0-16.0 ft.)
-		plasticity, wet		
	16.0	Terminante Soil Boring		
-				
	, i			
	,			
	1.	•		
====				

ATLANTA ENVIRONMENTAL MANAGEMENT, INC. PIEZOMETER WELL LOG

Well No. Location Driller: Geologis	Paul (st: Tony	ı City, Georgia	Screened From: 6.0 Gravel Pack: 20-30 m Bentonite Seal: 1.8 Concrete Seal: 7.21 Well top elevation:	ft. to 4.0 ft. ft. to 4.0 ft. ft. to surface ft. below well top
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 sa	nd, 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, oran	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-pla	astic, wet	(14.0-16.0 Ft.)
				(Hydrocarbon odor)
	16.0 .	Terminate Soil Boring		
		·		·
		•		
	:			
		•		



DRILLER: Atlas GeoSampling EQUIPMENT: Power Probe 9100 METHOD: Direct Push/HSA HOLE DIA.: 2 inches/4.25 ID

REMARKS: Augered pilot boring using direct push for soil sampling.
Readvanced with hollowstem augers for well installation.

Stabilized depth to water 12.2 measured on 3/8/12.

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

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

SOIL TEST BORING RECORD

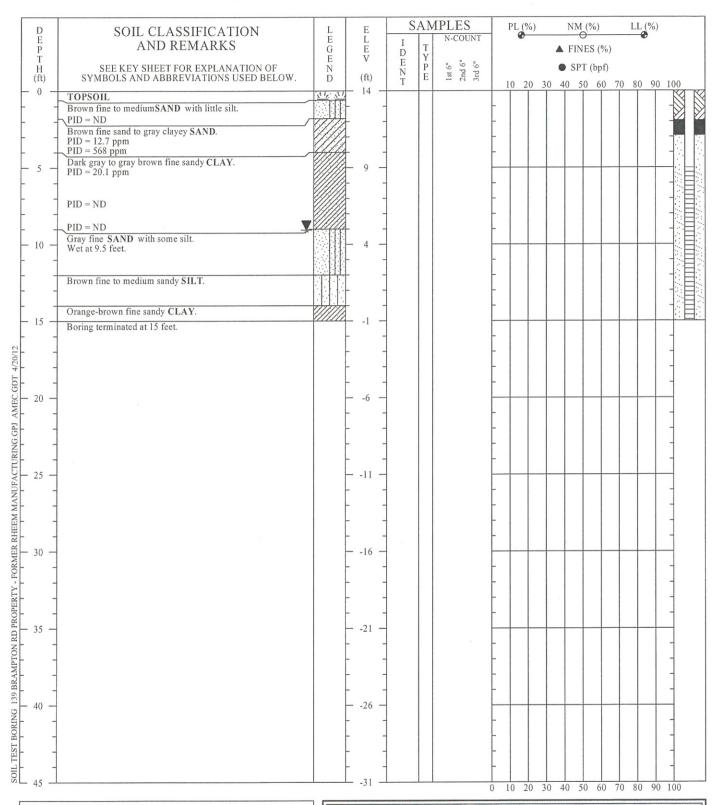
BORING NO.: EW-1

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 5, 2012

DRILLED: March 5, 2012 **PROJECT NO.:** 6121-09-0220





DRILLER: Atlas GeoSampling EQUIPMENT: Power Probe 9100 METHOD: Direct Push/HSA HOLE DIA .: 2 inches/4.25 ID

Augered pilot boring using direct push for soil sampling. REMARKS:

Readvanced with hollowstem augers for well installation.

Stabilized depth to water 9.06 measured on 3/8/12.

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

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

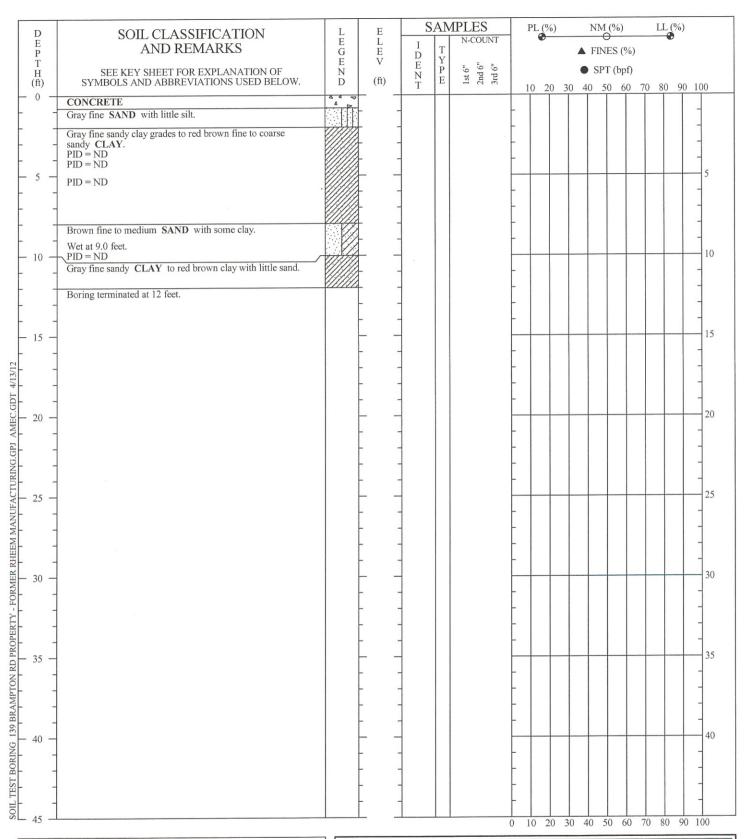
BORING NO.: EW-2

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 6, 2012 DRILLED:

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

SOIL TEST BORING RECORD

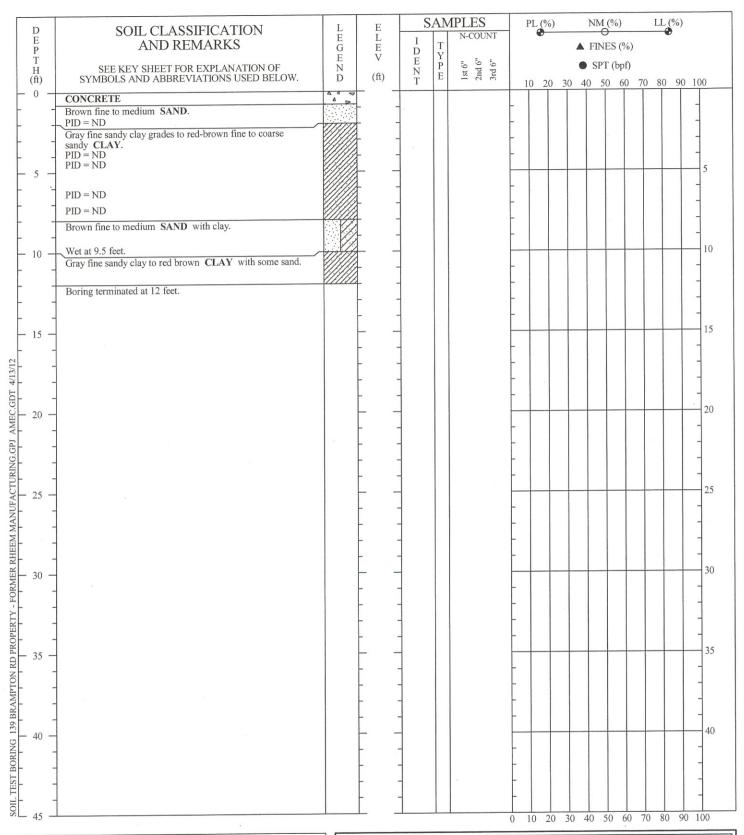
BORING NO.: GP-01

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 5, 2012

PROJECT NO.: 6121-09-0220





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

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-02

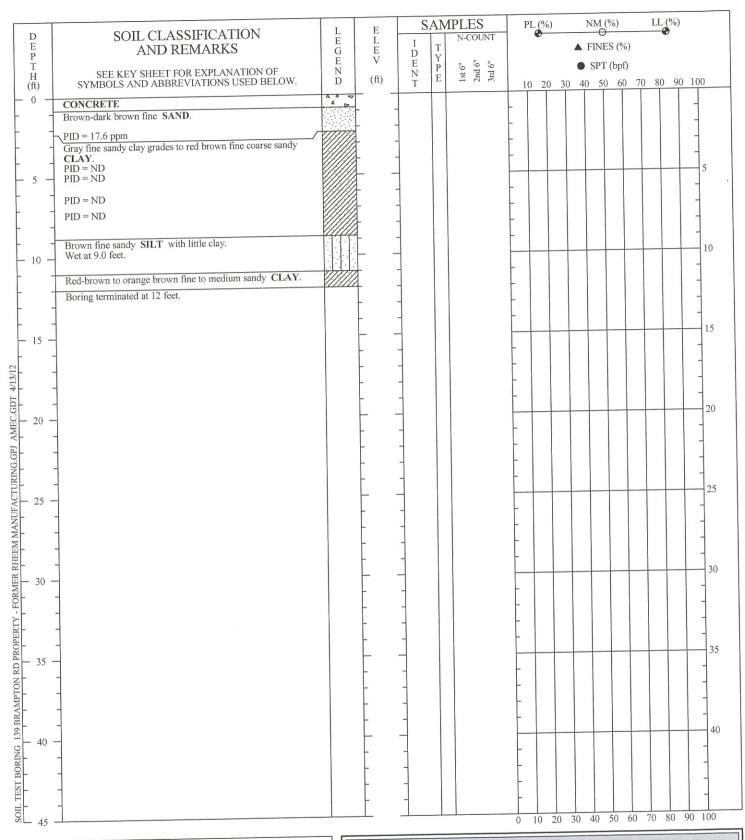
PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 5, 2012

PROJECT NO.: 6121-09-0220 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 BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

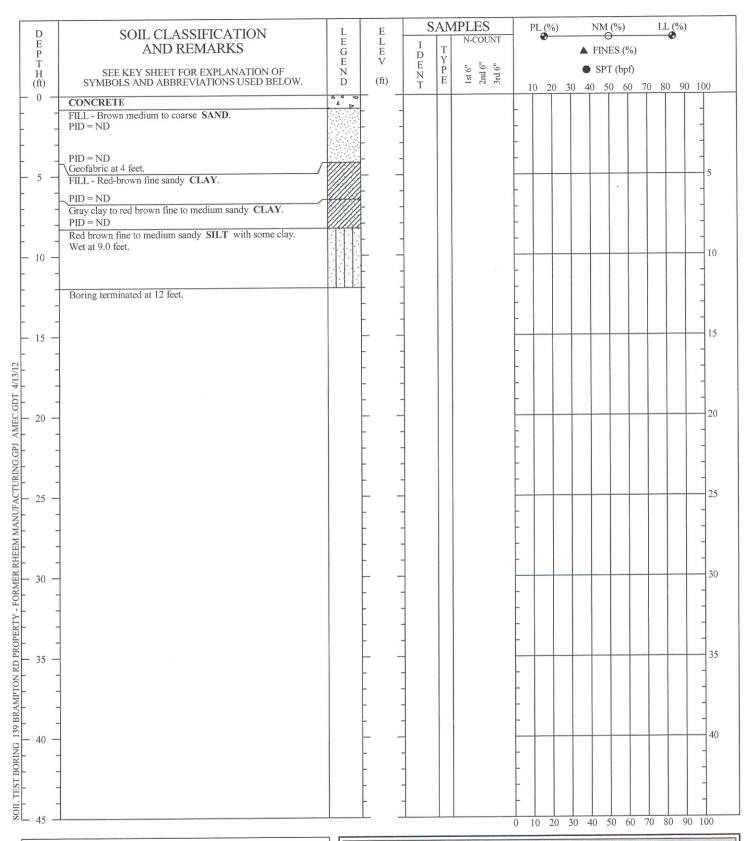
BORING NO.: GP-03

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA
DRILLED: March 5, 2012

PROJECT NO.: 6121-09-0220 PAGE 1 OF 1





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

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

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

SOIL TEST BORING RECORD

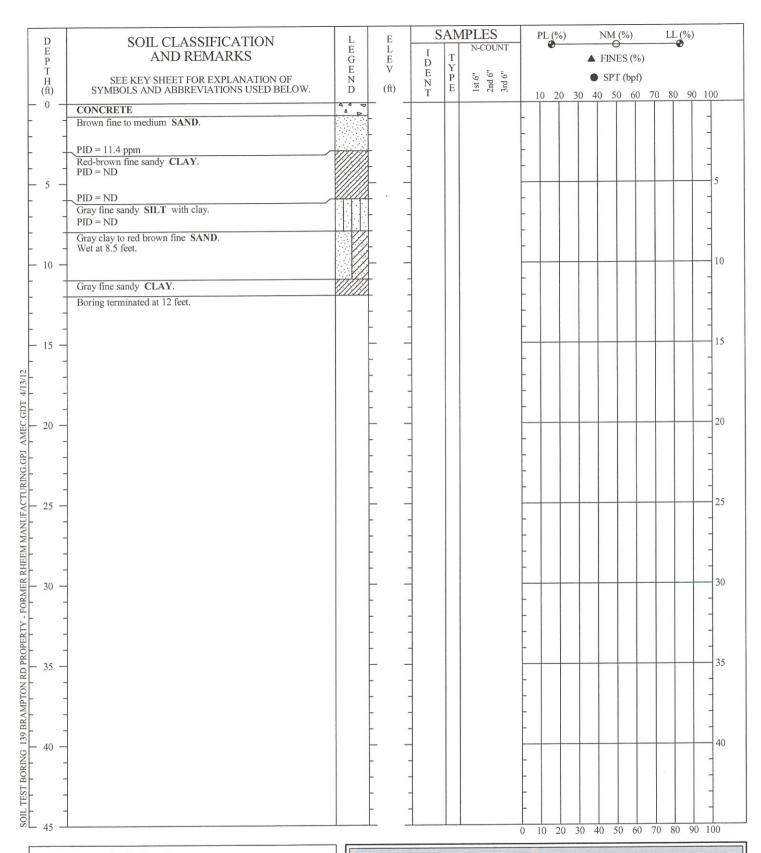
BORING NO.: GP-04

139 Brampton Road Property PROJECT:

Savannah, GA LOCATION:

March 5, 2012 DRILLED:

6121-09-0220 PROJECT NO.:



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

REMARKS:

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

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

SOIL TEST BORING RECORD

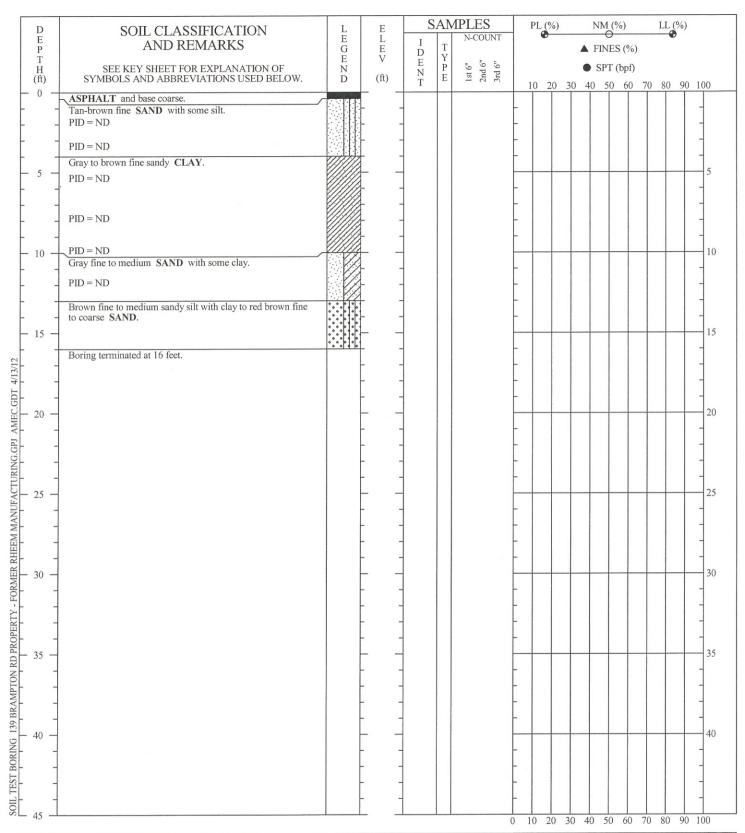
BORING NO.: GP-05

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 6, 2012

PROJECT NO.: 6121-09-0220

amec®



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

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-06

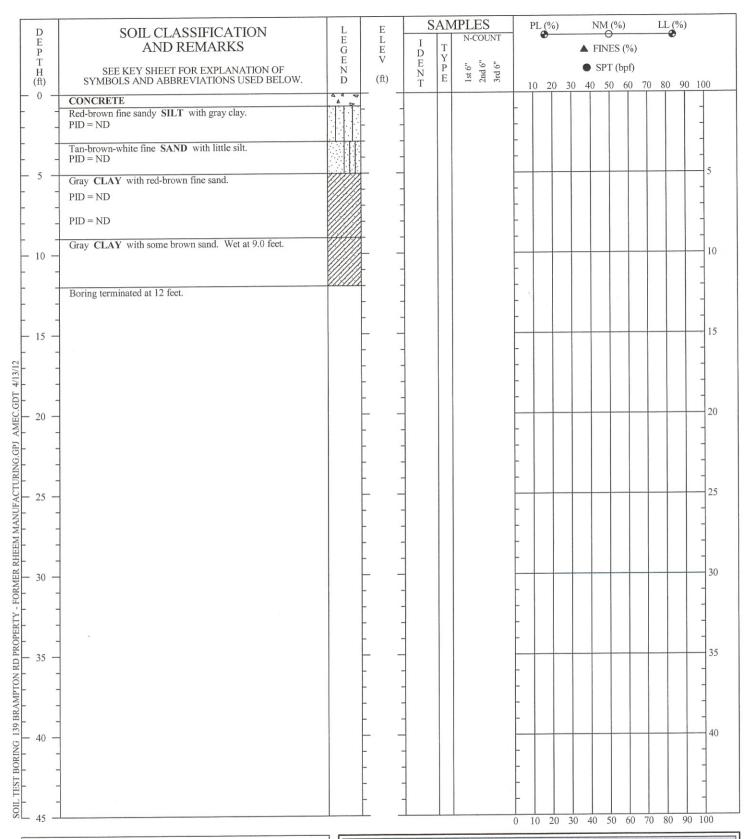
PROJECT: 139 Br

139 Brampton Road Property

LOCATION: Savannah, GA March 7, 2012

PROJECT NO.: 6121-09-0220

amec[©]



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

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-07

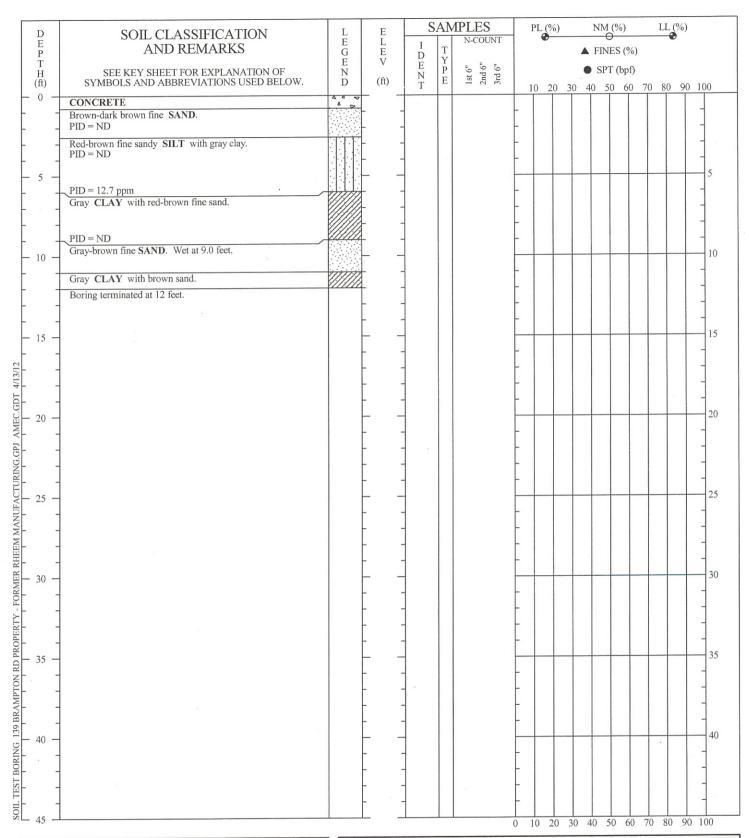
139 Brampton Road Property PROJECT:

LOCATION: Savannah, GA DRILLED:

March 7, 2012

PROJECT NO.: 6121-09-0220





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

REMARKS:

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

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

SOIL TEST BORING RECORD

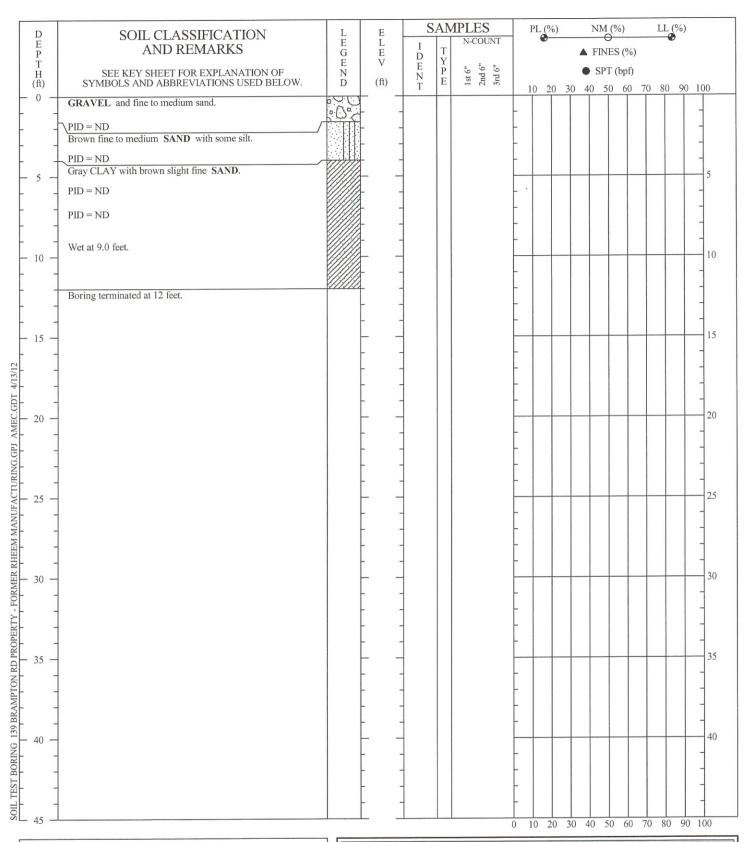
BORING NO.: GP-08

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 6, 2012

PROJECT NO.: 6121-09-0220





DRILLER: Atlas GeoSampling Power Probe 9100 EQUIPMENT: 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 SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

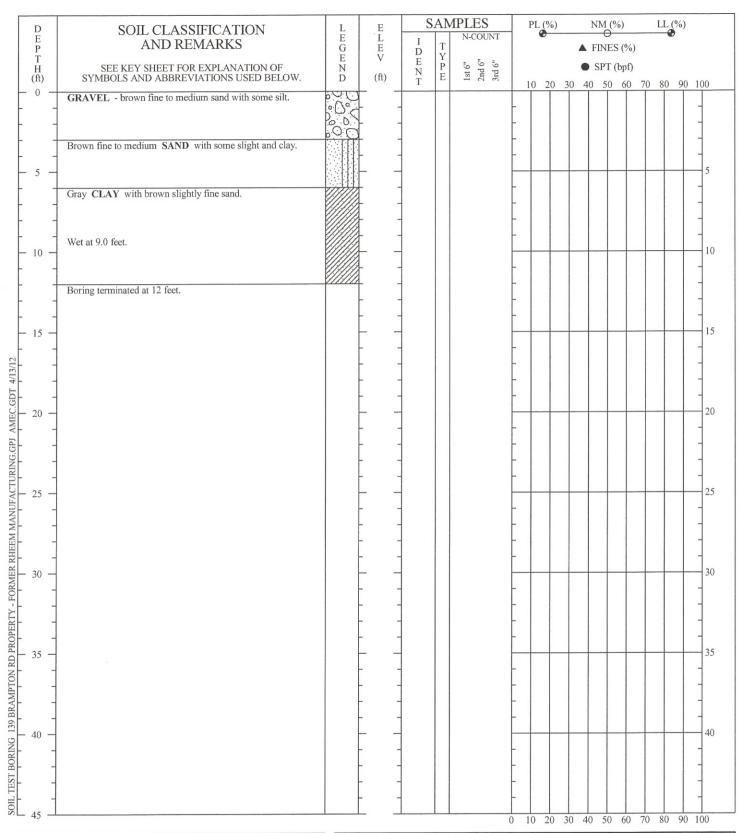
BORING NO.: GP-09

139 Brampton Road Property PROJECT:

LOCATION: Savannah, GA March 6, 2012 **DRILLED:**

6121-09-0220 PAGE 1 OF 1 PROJECT NO.:





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

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-10

PROJECT: 13

139 Brampton Road Property

LOCATION:

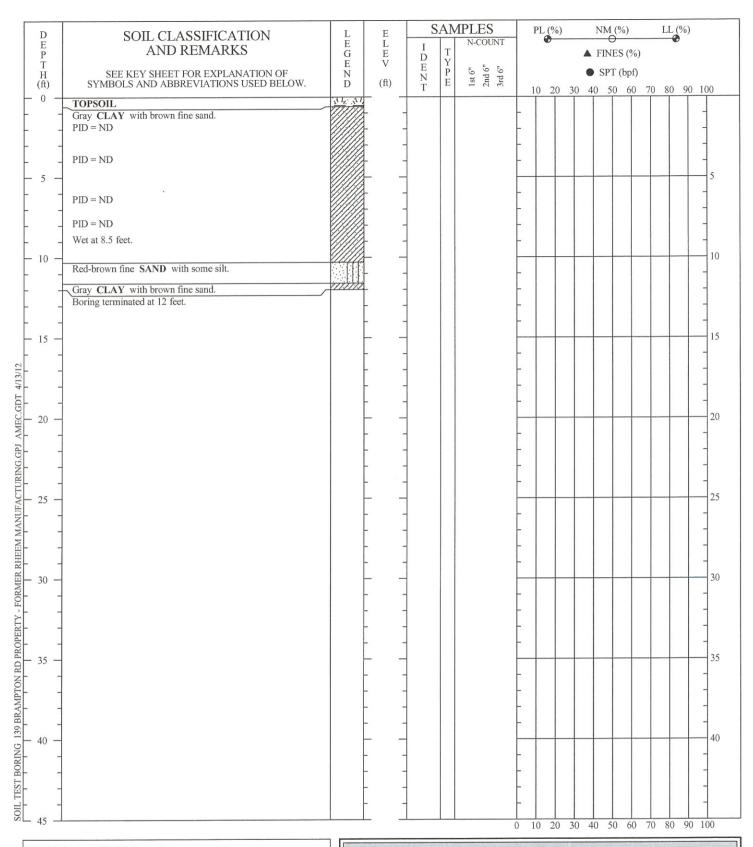
Savannah, GA

DRILLED:

March 6, 2012

PROJECT NO.: 6121-09-0220





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

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-11

PROJECT: 139 Bi

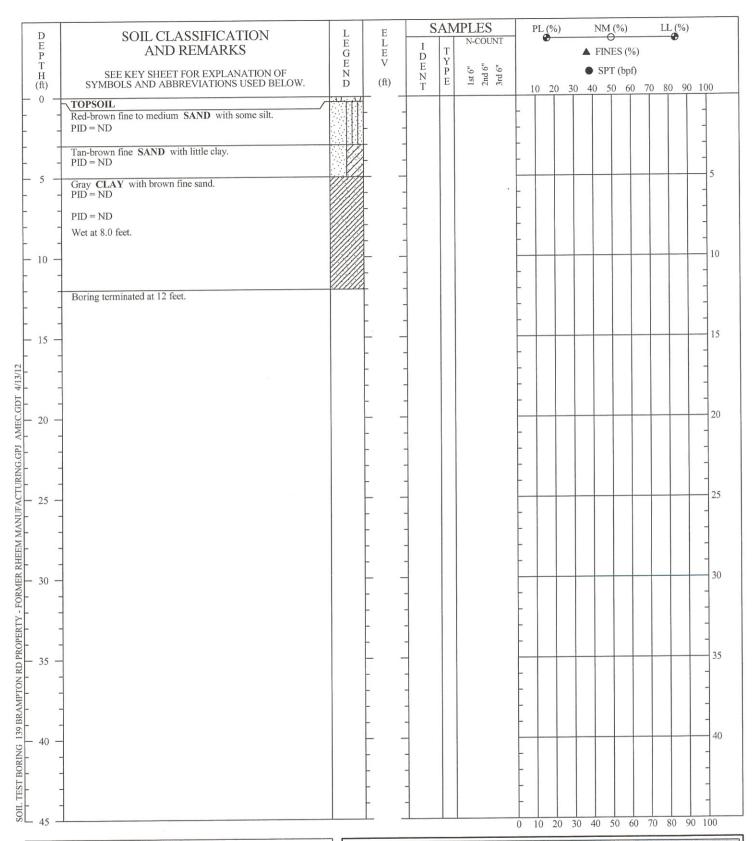
JECT: 139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 6, 2012

PROJECT NO.: 6121-09-0220 PAGE 1 OF 1





REMARKS:

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

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

SOIL TEST BORING RECORD

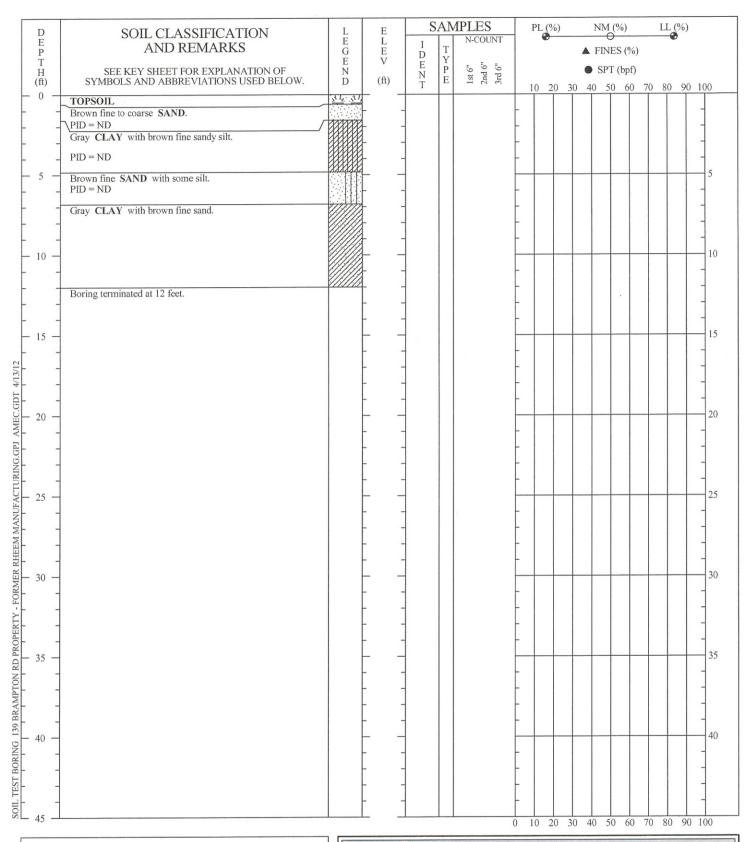
BORING NO.: GP-12

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 6, 2012

PROJECT NO.: 6121-09-0220





REMARKS:

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

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

SOIL TEST BORING RECORD

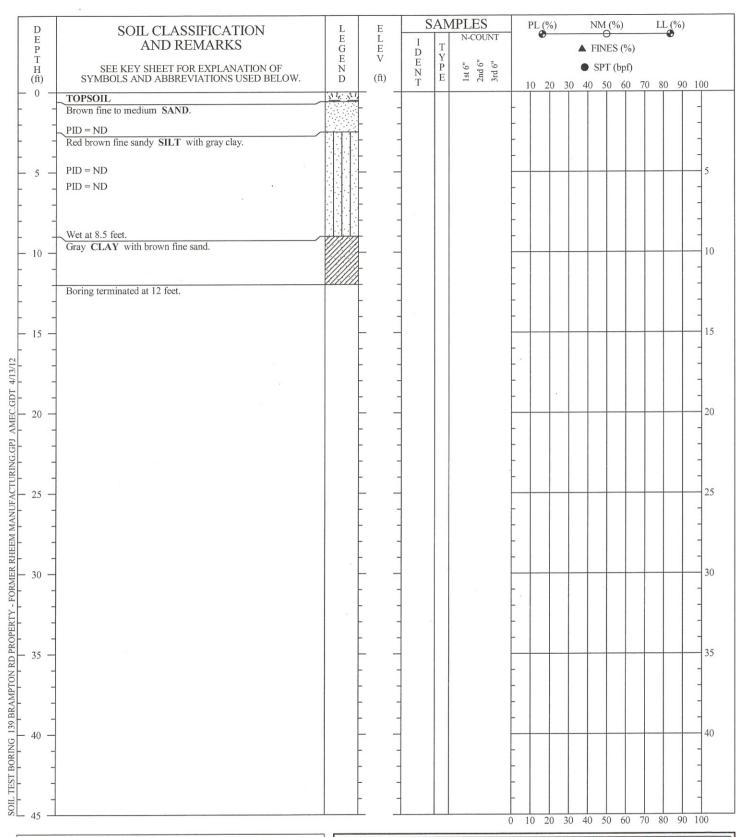
BORING NO.: GP-13

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 6, 2012

PROJECT NO.: 6121-09-0220 PAGE 1 OF 1





REMARKS:

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

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

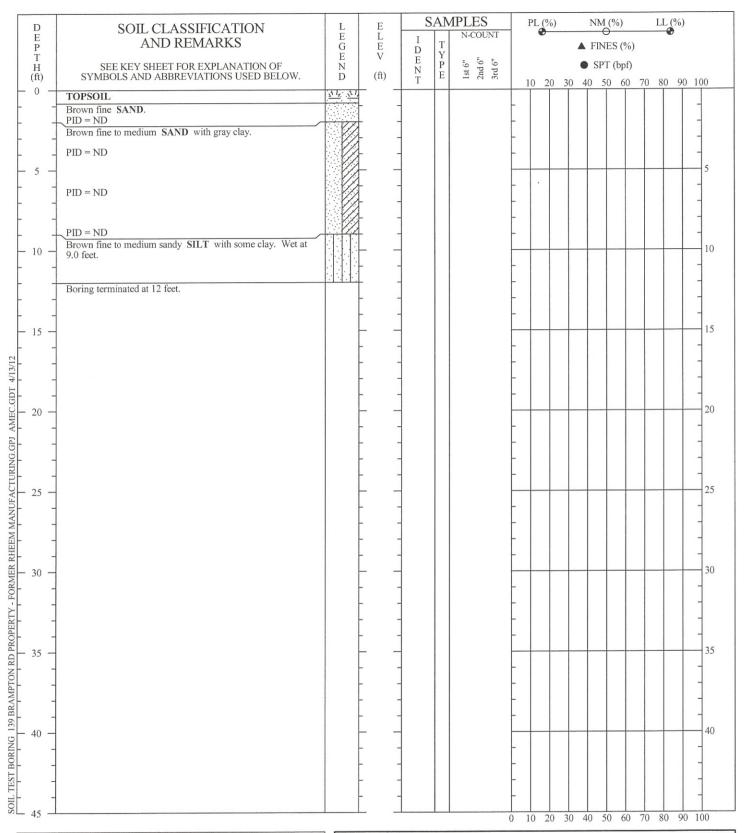
SOIL TEST BORING RECORD

BORING NO.: GP-14

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA
DRILLED: March 6, 2012
PROJECT NO.: 6121-09-0220





REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-15

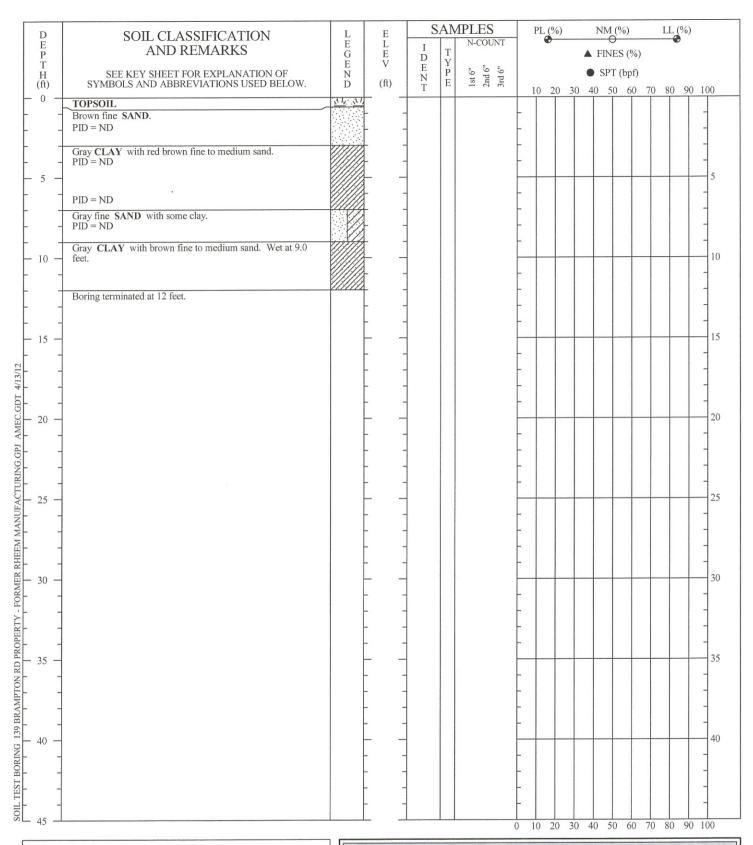
PROJECT NO.:

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 6, 2012

6121-09-0220 PAGE 1 OF 1





REMARKS:

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

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

SOIL TEST BORING RECORD

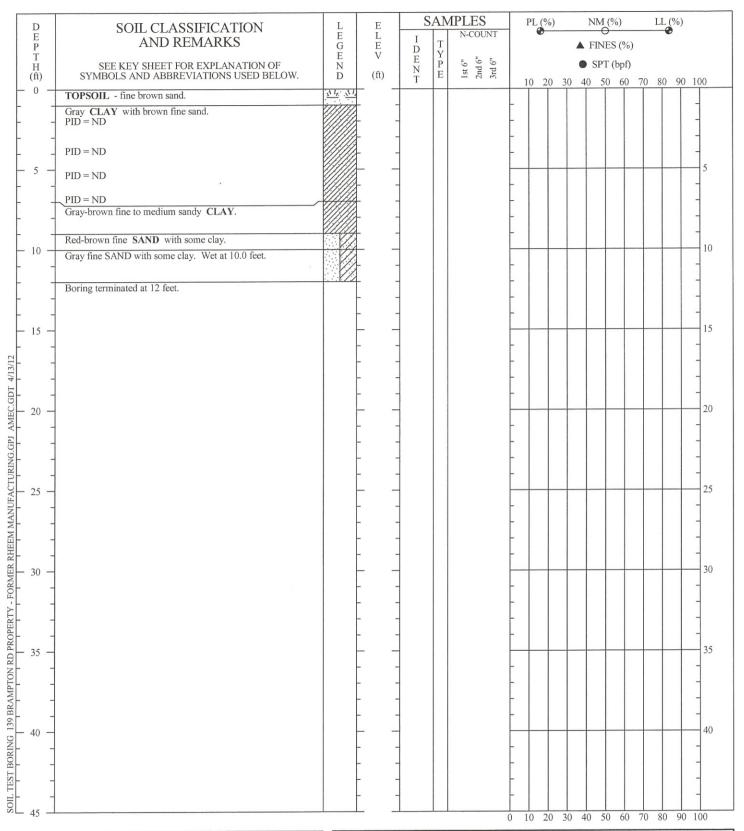
BORING NO.: GP-16

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 6, 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 BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: GP-17

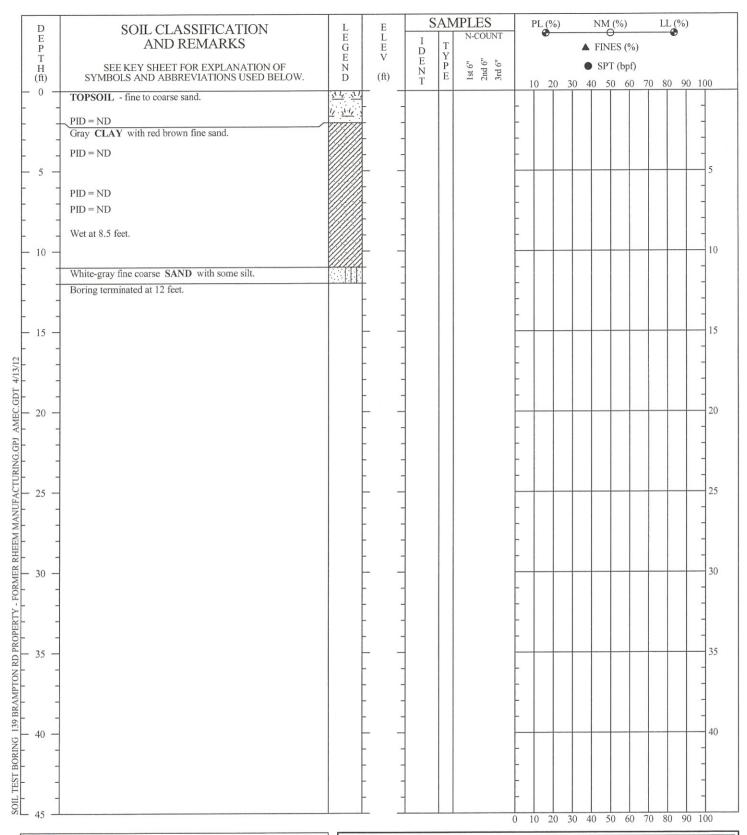
ORTHOR OF TARREST

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 6, 2012

PROJECT NO.: 6121-09-0220





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

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-18

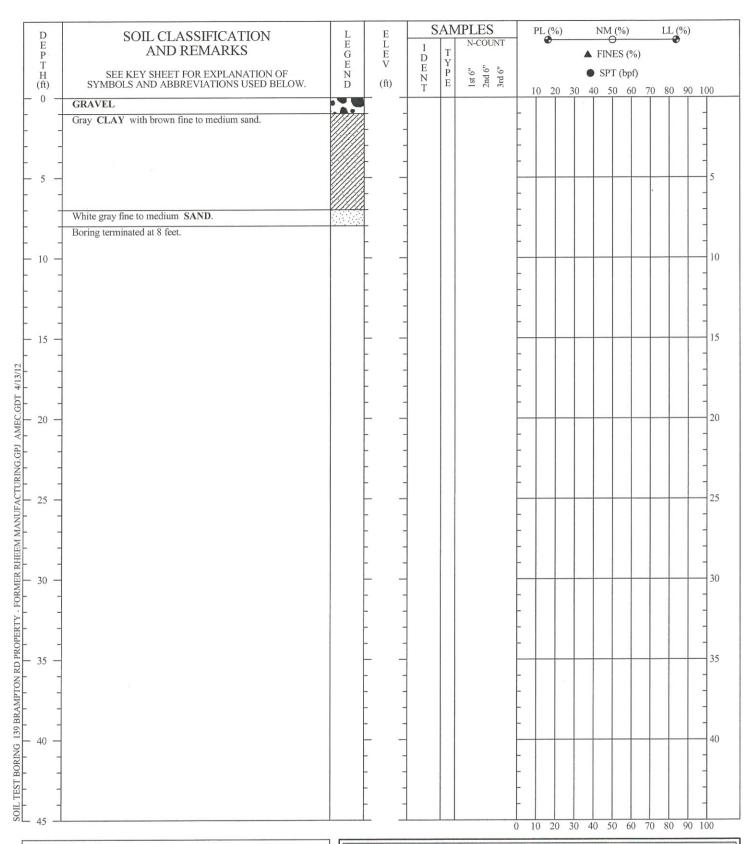
PROJECT:

139 Brampton Road Property

LOCATION: Savannah, GA March 6, 2012 DRILLED:

6121-09-0220 PROJECT NO.:





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

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

SOIL TEST BORING RECORD

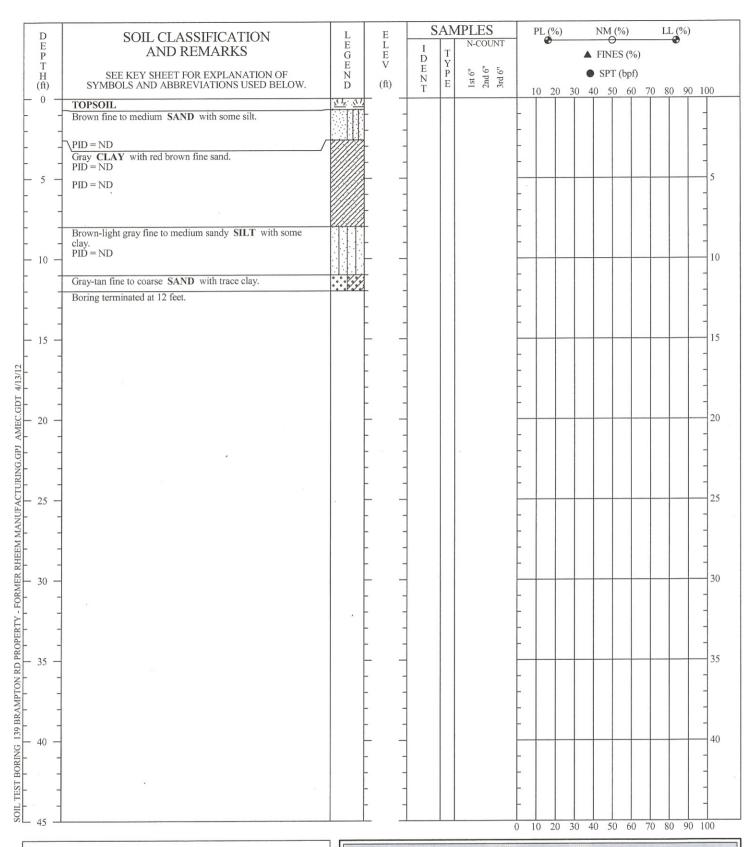
BORING NO.: GP-19

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 6, 2012

PROJECT NO.: 6121-09-0220 PAGE 1 OF 1





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

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

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

SOIL TEST BORING RECORD

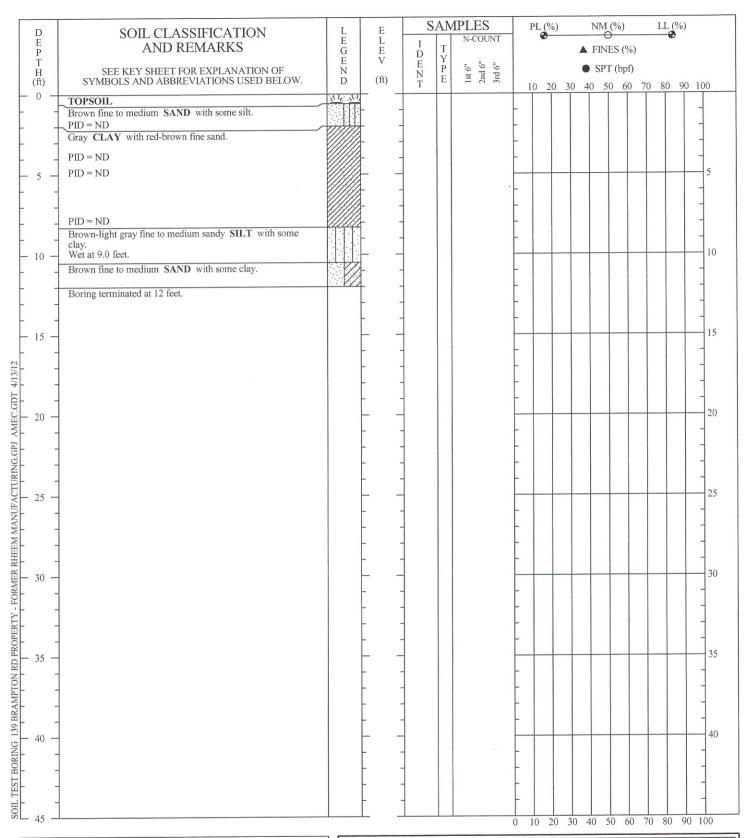
BORING NO.: GP-20

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA DRILLED: March 7, 2012

PROJECT NO.: 6121-09-0220





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

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-21

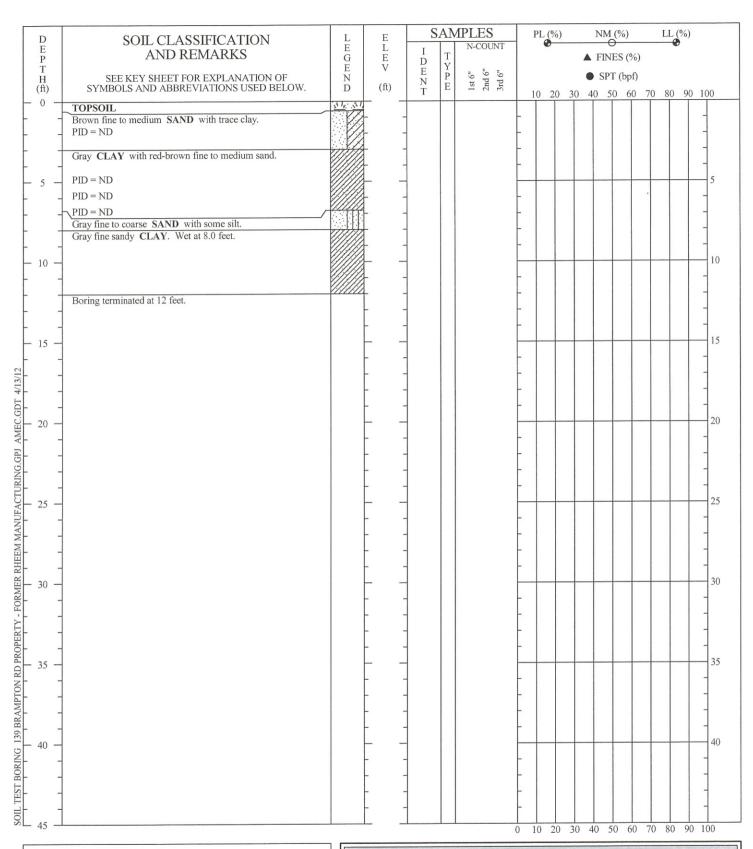
139 Brampton Road Property PROJECT:

Savannah, GA LOCATION:

DRILLED: March 7, 2012

6121-09-0220 PROJECT NO.:





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

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

SOIL TEST BORING RECORD

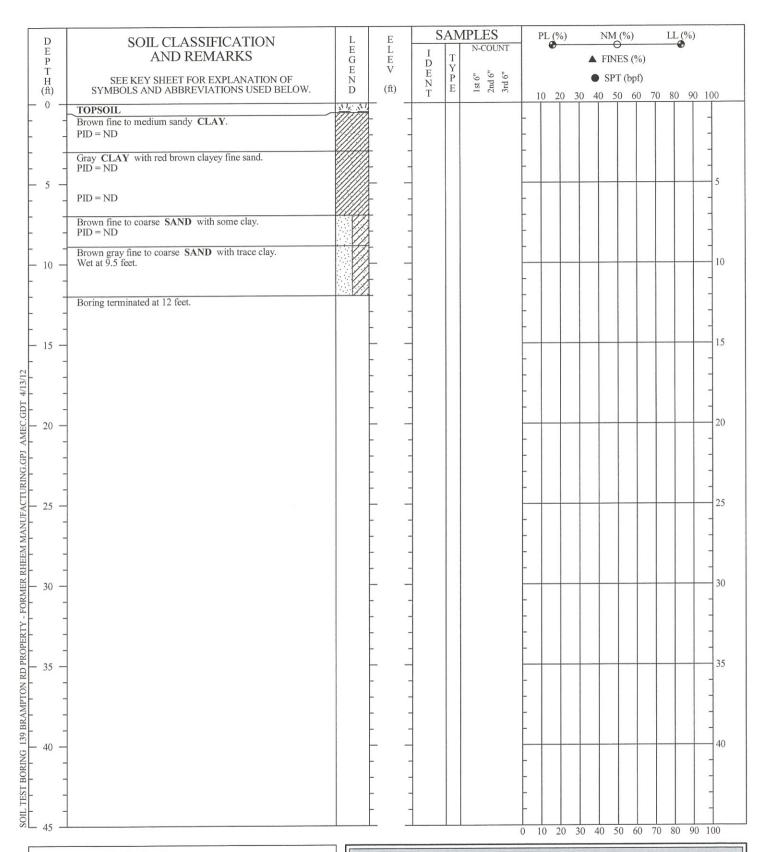
BORING NO.: GP-22

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 7, 2012

PROJECT NO.: 6121-09-0220





REMARKS:

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

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

SOIL TEST BORING RECORD

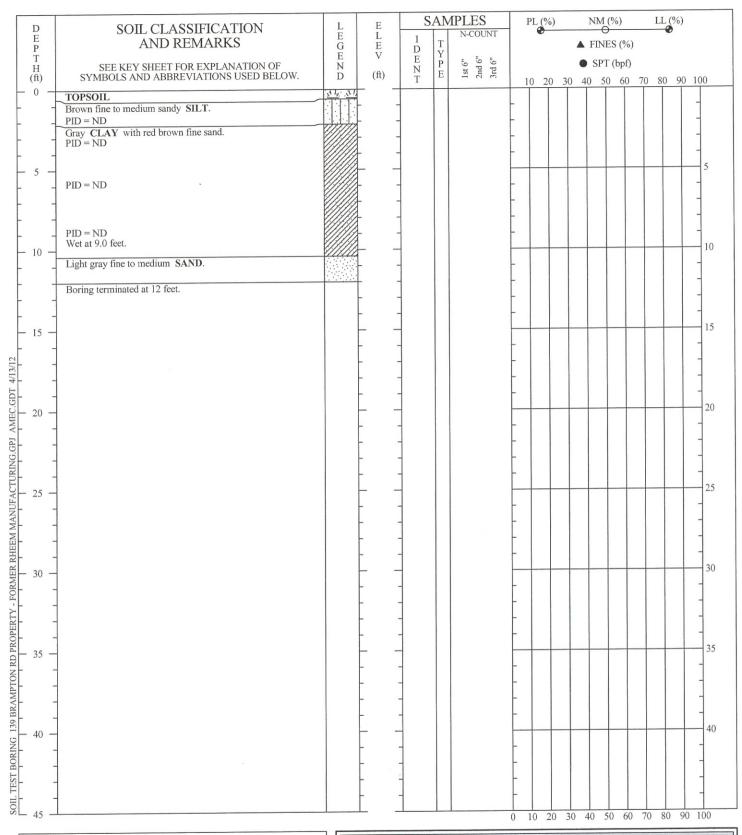
BORING NO.: GP-23

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA **DRILLED:** March 7, 2012

PROJECT NO.: 6121-09-0220





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

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

SOIL TEST BORING RECORD

BORING NO.: GP-24

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 7, 2012

PROJECT NO.: 6121-09-0220 PAGE 1 OF 1



D E	SOIL CLASSIFICATION	L E	E L	S		IPLES N-COUNT	PL (%)		M (%)		L (%)	
P	AND REMARKS	G E	E V	D E	T Y P E	9				NES (% SPT (bpf			
H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	N D	(ft)	N T	E	1st 6" 2nd 6" 3rd 6"	10	20 30		50 60		80 90	100
0 -	TOPSOIL Brown fine to medium sandy SILT.	71/2 1/2					-						-
	PID = ND		-				-						1
-	PID = ND	111111]
5 -	Gray CLAY with red brown fine sand.			-			\vdash	+	_	+	+	+	5
	PID = ND												
	DID - ND						-						-
-	PID = ND Gray-brown fine to coarse sandy CLAY. PID = ND												10
10 -	Wet at 10.5 feet.						-						-
-	Boring terminated at 12 feet.	<u> </u>	1	-			-						-
				1									-
_ 15 _			-	-				+					15
				1			-						-
4/13/1			-	-			-						+
TGD.			<u> </u>	_									
20 -							-						-
GPJ.			-	-			-						
RING							F						-
E _ 25 -			-	-									25
ANO	-			1									
EM			-	-			-						-
HE REE	-		Ł.										30
- 30 -			-	-			-						-
7-F	-		-	-									
PERT			-]			-						-
ON - 35 -			-	-			\vdash	+			\vdash	+	35
NON R	-												
AMP]		-	-			-						-
139 BF	-		_	_									40
- 40 -	1		-	-			-						-
T BOR	-		-	-									
SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING GPJ AMEC GDT 4/13/12 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1		F				F						
IOS L 45 -							0 10	20 3	30 40	50	60 70	80 9	90 100

DRILLER: Atlas GeoSampling EQUIPMENT: Power Probe 9100 METHOD: Direct Push

HOLE DIA.: REMARKS:

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

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

SOIL TEST BORING RECORD

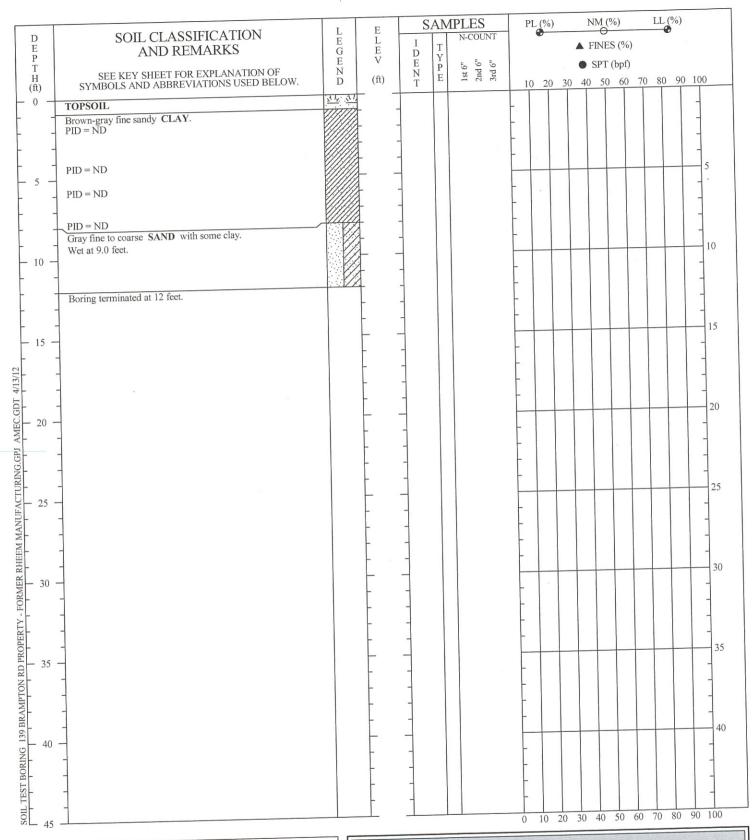
BORING NO.: GP-25

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 7, 2012 **PROJECT NO.:** 6121-09-0220





REMARKS:

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

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

SOIL TEST BORING RECORD

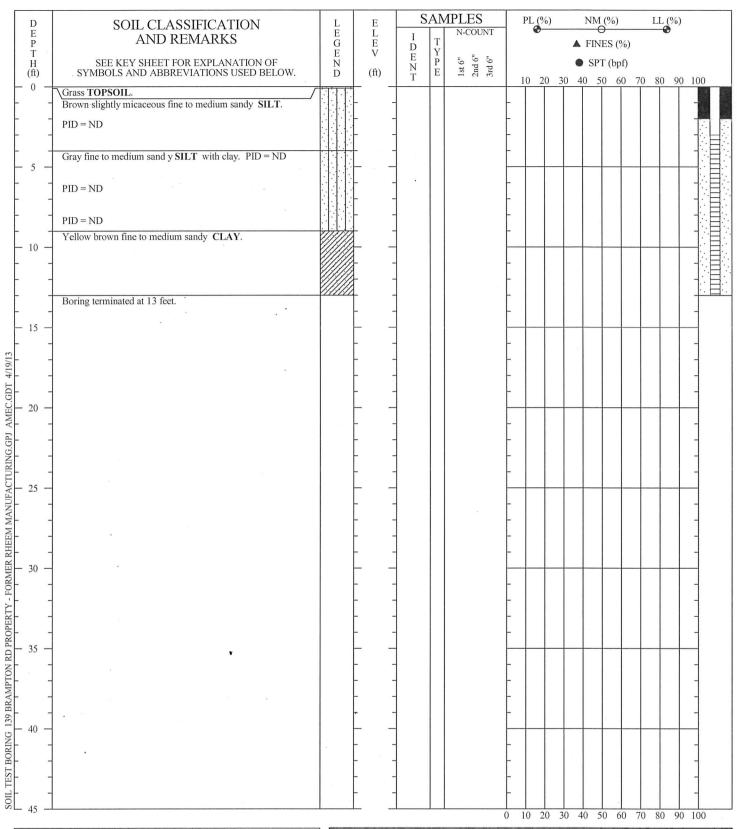
BORING NO.: GP-26

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA March 7, 2012

PROJECT NO.: 6121-09-0220





DRILLER: Geo Lab

EQUIPMENT: Geoprobe 6610 METHOD: HSA HOLE DIA.: 4 inches

HOLE DIA.: REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: EU-1

DRILLED:

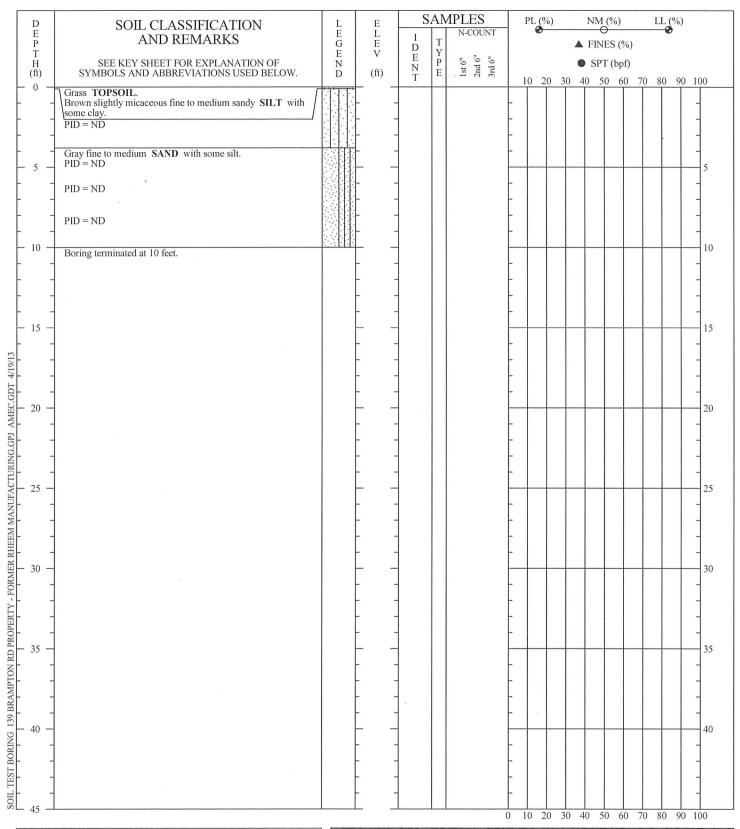
PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA

March 15, 2017

PROJECT NO.: 6121-09-0220





DRILLER: Geo Lab EQUIPMENT: Geoprobe 6610

METHOD: **HSA** HOLE DIA .: 4 inches

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-27

PROJECT:

139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 15, 2017

PROJECT NO.: 6121-09-0220



D	SOIL CLASSIFICATION	L	E	S	AN	/IPLES	PL	(%)	N	VM (%)		LL	(%)	
E P	AND REMARKS	E G	E L E V	I	T	N-COUNT] '	D		O´ FINES (
T H	SEE KEY SHEET FOR EXPLANATION OF	E N		E N T	Y P E	1st 6" 2nd 6" 3rd 6"				SPT (b _l				
(ft) - 0	SYMBOLS AND ABBREVIATIONS USED BELOW. Grass TOPSOIL.	D	(ft) 	T	E	3 2 2	10	20 3	0 40	50 6	50 70	80	90 1	00 I
-	Brown slightly micaceous fine to medium sandy SILT with	111	_	1									-	
	some clay. PID = ND Gray fine to medium sandy CLAY.	111111111111111111111111111111111111111]										
-	PID = ND		_	-			-						-	
- 5				1									<u> </u>	5
-	PID = ND Gray fine sandy SILT.			-			-						-	
-	PID = ND		_										-	
- 10	Boring terminated at 10 feet.						\Box			-				10
-	- Borning terminated at 10 teet.		_	-			-						-	
Ė]			1										
-	_		_	-			-						-	
- 15				1					\Box	+		181	Τ.	15
9/13	-		_	-			-						-	
FORMER RHEEM MANUFACTURING GPJ AMEC.GDT 4/19/13	-		_	1									-	_
[5] - 20	_]								_		20
J AM	-		_	-			-						-	
G.G.	1		_											
12 <u>R</u>	_		-	-			-						-	
OF 25]					\Box				Τ.	25
MAN-	-		-	-			-							
HEEM	-		_	-			 - 						-	
= 30]						-			ļ.	30
FORM	-		-	+			-						-	
RTY.	1		-											
ROPE	_		-	-			-						-	
2E − 35	<u></u>			1								+		35
IPTON	-		_				-							
BRAN	+						-						-	
136 – 40	1									_				40
ORING	-		_, ,	-			-						-	
SSTB(1													
SOIL TEST BORING 139 BRAMPTON RD PROPERTY-	-		-	-	*		-						-	
∞L 45			_				0 10	20 3	80 40	50 6	50 70) 80	90 1	00

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

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-28

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA
DRILLED: March 15, 2017

PROJECT NO.: 6121-09-0220



D E	SOIL CLASSIFICATION	L E	Е		AN	MPLES N-COUNT	PL (%)	N	M (%)		LL (%)	
P T	AND REMARKS	G E	L E V	D	T Y P				▲ F	INES (%	6)		
H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	N D	(ft)	E N T	P E	1st 6" 2nd 6" 3rd 6"				SPT (bp:			
- 0 -	Grass TOPSOIL.	71 1/2 X1 1/2		1	\Box		10	20 30	0 40	50 60	70	80 90	100
	Brown slightly micaceous fine to medium sandy SILT.												1
	PID = ND Gray fine to medium sandy SILT with clay.			-			-						-
-	PID = ND		- 1-	1			-						+
5 -								1,					5
	PID = ND Gray fine sandy SILT.			-			-						-
+ .	PID = ND		-	1			-						-
10 -						*							
	Boring terminated at 10 feet.			-			-						-
-			-	1			-						-
]
- 15 -				1				\vdash	_			++	15
[]													
4/19/				-			-						_
TGD.			-	1			-						-
FORMER RHEEM MANUFACTURING GPJ AMEC GDT 4/19/13													20
GPJ -				-			-						-
RING.				1			-						-
DI 25 -									_			\perp	
NNUE.				-			-						-
ML :]									
- RHEE				-			-						-
¥ 30 −				1				+		+	-	++	30
FOI													
ERTY			-	-			-						-
PROP				1			-						- 25
25 - 35 -			Γ.				-						35
OPTO							-						
BRAN			-										
68 40 -			-	-				-	_	\perp		44	40
- PRINC			-	-			-						-
SSTB(_ :										
SOIL TEST BORING 139 BRAMPTON RD PROPERTY OP 07 12 12 12 12 12 12 12 12 12 12 12 12 12				-			-						-
ઝ∟ ₄₅ –			L _				0 10	20 3	0 40	50 6	0 70	80 90	100

DRILLER: Geo Lab EQUIPMENT: Geoprobe 6610

METHOD: HSA HOLE DIA.: 4 inches

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-29

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA **DRILLED:** March 15, 2017

PROJECT NO.: 6121-09-0220



D E P	SOIL CLASSIFICATION AND REMARKS	L E G	E L E	I D	AM T Y	MPLES N-COUNT	PL	(%)		M (%)		LL (%))	
T H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	E N D	V (ft)	E N T	P E	1st 6" 2nd 6" 3rd 6"	10	20 3		SPT (bpf 50 60		80 9	0 10	00
- 0	CONCRETE Brown fine coarse SAND with some clayey sand. PID = ND	A D	 				-						-	
- - - 5	Brown fine to medium sandy SILT with clay. PID = ND Brown fine to medium SAND with some silt.		 				-						-	5
	PID = ND PID = ND						-						-	
- 10 ·	Boring terminated at 10 feet.		 				-						-	10
- - 15			 				-						-	15
SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING GDT 4/19/13			 				-						-	20
MANUFACTURING - 55 -	- - - -		 				-						- - - -	25
FORMER RHEEM	- - -						-						-	30
10N RD PROPERTY - 35 -	- - - -		 				-						-	35
ORING 139 BRAMP1			 				-						- - -	40
SOL TEST BO	- - -		 				0 10	20 3	0 40	50 60) 70	80 9	0 10	00

DRILLER: Geo Lab

EQUIPMENT: Geoprobe 6610

METHOD: HOLE DIA.:

HSA 4 inches

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-30

PROJECT:

139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 15, 2017

PROJECT NO.: 6121-09-0220



D E P	SOIL CLASSIFICATION AND REMARKS	L E G	E L E	I	П	IPLES N-COUNT	P	L (%)		NM (LL	√(%) ⊕	
T H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	E N D	V (ft)	D E N T	T Y P E	1st 6" 2nd 6" 3rd 6"	10	20	0	SPT		70 SC	0 90	100
- 0 -	Grass TOPSOIL. Brown fine to medium sandy SILT. PID = ND	31/2 31/2	 				-							-
- 5 - - 5 -	PID = ND Gray brown fine to medium sandy SILT with clay. PID = ND		 				-							5
	PID = ND		 				-							-
- 10 -	Boring terminated at 10 feet.						-							10
			- · - ·				- -							-
- 15 -			 				-		+					15
25 — 25 — 25 — 30 — 35 — 35 — 40 — 45 — 45 — 45 — 45 — 45 — 45 — 4			 				- - - -							20
- 25			- · - · 	-			-							25
30 -			 				-	+						30
35 —			 				-							35
40 —			 				-							40
45 —			 				0 10) 20	30 4	10 50	60 7	70 80	0 90	100

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

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-31

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA **DRILLED:** March 15, 2017

PROJECT NO.: 6121-09-0220



D E P	SOIL CLASSIFICATION AND REMARKS	L E G E	E L E V	I	П	MPLES N-COUNT	I	PL (%	<u>ó)</u>		M (%) O INES (LL	· (%)	
T H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	E N D	(ft)	E N T	T Y P E	1st 6" 2nd 6" 3rd 6"	1	0 20	0 30		SPT (b)		0 80	90	100
	Grass TOPSOIL. Brown fine to medium sandy SILT. PID = ND		 				-								-
- 5 -	Gray fine to medium sandy SILT with clay. PID = ND										-			1	5
	PID = ND		 	-											`- -
- 10 -	PID = ND Boring terminated at 10 feet.									-					10
-															
- 15 -			 	-			-			+					15
			 				-								
_ 20 _				-			_								20
- 25 - 			 				-								25
- 30 -			 				-								30
			 				-								
- 35 -		=	 				-								35
-			 				-							_	
- 20			 	-			-								40
			 				-								
- 45 -			<u> </u>				0 1	0 2	0 30	40	50	60 7	0 80	90	100

DRILLER: Geo Lab

EQUIPMENT: Geoprobe 6610

METHOD: HSA

HOLE DIA.: 4 inches

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.:

GP-32

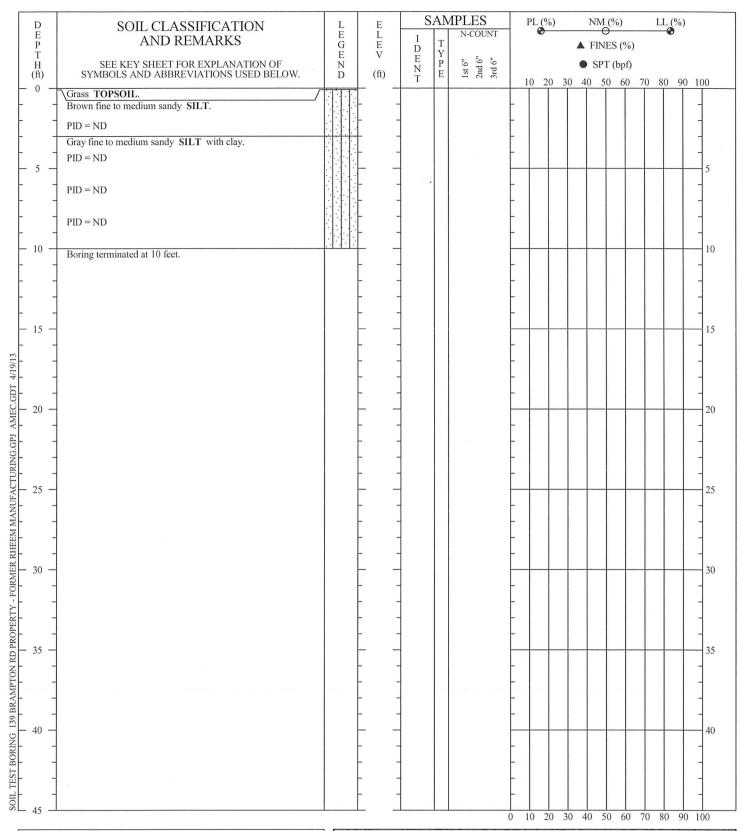
PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 15, 2017

PROJECT NO.: 6121-09-0220





DRILLER: Geo Lab

EQUIPMENT: Geoprobe 6610 METHOD: HSA

HOLE DIA.: 4 inches

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-33

DOMECE 120 D

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 15, 2017

PROJECT NO.: 6121-09-0220



D E P	SOIL CLASSIFICATION AND REMARKS	L E G	E L E V	I	AM T Y	IPLES N-COUNT	I	PL (%	ó)		VM (%		L	L (%) ◆	
T H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	E N D	V (ft)	D E N T	P E	1st 6" 2nd 6" 3rd 6"	1	0 2	0 30		SPT (70 8	30 90	100
- 0 -	Grass TOPSOIL.	11.1.	_		\Box				T	Ť	Ť	Ť	Ť	Ī	T
-	Brown fine to medium sandy SILT.		_												1
-	PID = ND		_				-								
- 5 —	Gray fine to medium sandy SILT with clay. PID = ND.						-			1		-			5
-	PID = ND						-								-
-	PID = ND						-								-
- 10 -		1111111					-								10
-							-								-
- - 15 —							-								15
-			-				-								-
-							-								+
- 20 —										+		+			
_			_				-								-
-		1					-								-
- 25 — -							-								25
-							-								-
- - 30 —							_								30
+							-								
- 35 — - 40 — - 45							-								-
- 35 -										+		-			35
-			· -				-								-
			· -												-
- 40							_			+	+				40
-			-				-								-
-															

DRILLER: Geo Lab EQUIPMENT: Geoprobe 6610

METHOD: HSA HOLE DIA.: 4 inches

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-34

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 15, 2017

PROJECT NO.: 6121-09-0220 PAGE 1 OF 1



D E P	SOIL CLASSIFICATION AND REMARKS	L E G	E L E V	ı	AMPLES N-COUN	Т	PL (%)		IM (%) FINES (%)	LL	(%)
T H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	N D	V (ft)	D E N T	E St 6" L A L A L A L A L A L A L A L A L A L	o pic	10 20	•	SPT (bpf)		90 100
- 0 -	CONCRETE Brown fine to medium sandy SILT. PID = ND		 			-					-
	Gray fine to medium sandy SILT with clay. PID = ND		 			- - - -					5
- 10 - - 10 -	Boring terminated at 10 feet.		 			-					10
			 	-		-					-
- 15 - 			 			-					15
- FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/19/13			 			- - - -					20
MANUFACTURIN			 	-							25
- 30			 			- - - -					30
30N RD PROPER			 	-		-					35
SOIL TEST BORING 139 BRAMPTON RD PROPERTY 1			 			-					40
SOIL TEST			- - - -			0	10 20	30 40	50 60	70 80	90 100

DRILLER: Geo Lab EQUIPMENT: Geoprobe 6610

METHOD: **HSA** HOLE DIA.:

4 inches

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.:

GP-35

PROJECT: 139 Brampton Road Property

LOCATION:

Savannah, GA

DRILLED: **PROJECT NO.:** 6121-09-0220

March 15, 2017



D E	SOIL CLASSIFICATION	L E	E L E V		TT	IPLES N-COUNT	P	PL (%	5)	NN	1 (%)		LL (%)	
P	AND REMARKS	G	E	I	T Y					▲ FI	NES (%)		
T H	SEE KEY SHEET FOR EXPLANATION OF	E N		E N T	P	1st 6" 2nd 6" 3rd 6"				• SI	T (bpf)		
(ft)	SYMBOLS AND ABBREVIATIONS USED BELOW.	N D	(ft)	T	Е	1st 2nc 3rc	10	0 20	30				80 90	100
0 —	Gray TOPSOIL.	71/2 X1/			\forall	***************************************		آ	T	Ť	T	Ť	TT	T
-	Brown fine to medium SAND with some silt.		-	1			- 1							1
-	PID = ND		-	1			-							1
-	Gray fine sandy CLAY.	1////		1			h							1
-	PID = ND			1			h							+
5 —				1					_	1	++	_		5
	PID = ND		-	1			h		1					1
-	Brown fine to medium sandy SILT with some clay.		-	1			- 1							+
-	PID = ND		-	1			- 1							
-			-	1			-							+
10 —	Boring terminated at 10 feet.	1.1.1.1.1		1					+		+	+	+	10
-	_			1			- 1							+
-				1			-							-
-			-	1										+
-			- 1	1			 							+
15 —				1					+		+	+	++	15
-			-	1			-				1 1			+
-	4			1			h							+
-				1			- 1							+
-				1			-							-
20 —				1					+	-	++	+	++	20
-				-			-							-
-				-			- 1							-
-				-			-							4
-				-			- 1							4
25 —		-		-			\vdash		-		+	+	++	25
-		-		-			- 1							4
-				-			-							4
, <u>-</u>				-			- 1							-
-			- 1 - 1-	-			-							-
30 —				-				_	-		+-+	_	4-4	30
-				-			- 1							4
_				-			- 1							4
-				-			ŀΙ							4
_				-			- 1							4
35 —				-			\vdash		-		++	-		35
-				-			- 1							4
-				-			- 1							-
							-							-
_				-										4
40 —				-							\sqcup			40
_														1
_				1										1
							L 1							1
							L							
45														

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

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-36

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA
DRILLED: March 15, 2017

PROJECT NO.: 6121-09-0220



D	SOIL CLASSIFICATION	L E	E	S	AN	APLES	PL	(%)		NM (%)		LL	(%) •	
E P	AND REMARKS	G	L E V	I D	T Y P	N-COUNT	'			FINES (
T H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	E N D	(ft)	D E N T	P E	1st 6" 2nd 6" 3rd 6"	10	20		SPT (b		0 80) 90	100
0 -	GRAVEL	. 4 8			П			T		1	J ,			100
	Brown fine to medium sandy SILT.]
-	Red brown fine to medium sandy SILT with clay. PID = ND						-							-
- 5 -	Gray fine to medium sandy SILT with clay. PID = ND					ž.					-			5
	PID = ND		- 	-			-							-
	PID = ND		- 	-			-							-
- 10 -	Boring terminated at 10 feet.	11.11.		1									\neg	10
]
			-				-							-
-			-	-			-							+
- 15 -	-													15
]
4/19/							- 1							
- 1			-	-			-							-
글 - 20 -				1				+		-	-		-	20
A							-							
5.5]
K							- 1							
25 -				-			-		\vdash		-		+	25
				1			-							+
Ř								2						-
]
¥ - 30 -													_	30
- 25 - 20 - 20 - 20 - 20 - 20 - 20 - 20				-			-							-
7 - -			-	1			-							1
35 – 35 PRAMPING 139 BRAMPING 139 BRAMPING 139 BRAMPING 139 BRAMPING 139 BRAMPING 139 BRAMPING 145 – 40 – 40 – 40 – 40 – 40 – 40 – 40 –	1		-	1										-
S - 35 -														35
Z -			-	-			-							-
- 1			-	-			-							-
				-			-							-
139 E			-	1										1,0
5 40 -]										40
POK POK POK POK POK POK POK POK POK POK							-							_
ESI -							-							-
- 1				1			-							+
ズL 45 -	I		<u> </u>				0 10	20	30 40	0 50	60 7	0 80) 90	100

DRILLER: Geo Lab EQUIPMENT: Geoprobe 6610 METHOD: HSA 4 inches

HOLE DIA.:

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-37

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 15, 2017 PROJECT NO.: 6121-09-0220



D E P	SOIL CLASSIFICATION AND REMARKS	L E G	E L E	I	T	APLES N-COUNT	P	L (%)			[(%)) (ES (%)		L (%) ◆	
T H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	E N D	V (ft)	D E N T	T Y P E	1st 6" 2nd 6" 3rd 6"	10	20		● SP	T (bpf)		30 90	100
- 0 -	GRAVEL Brown fine to medium sandy SILT.						-							-
-	Red brown fine to medium sandy SILT with clay. PID = ND						-							
- 5 -	Gray fine to medium sandy SILT with some clay. PID = ND						-	_				_		5
	PID = ND						-							-
	PID = ND						-							-
- 10 -	Boring terminated at 10 feet.	1.1.1.					-							10
				-			-							-
15 -							-					_		15
	,													-
DT 4/19							-							-
FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 4/19/13						×		+						20
G.GPJ							-	N.S						-
			_											-
ANUFAC - 52 –							-							25
EEM M.						-								-
A 30 -								-						30
Y - FOR							-							-
OPERT														1-
35 -							_	+						35
AMPTO														
SOIL TEST BORING 139 BRAMPTON RD PROPERTY-														40
SORING							-							
TEST							-							
ID 45 -							0 10) 20	30	40 5	50 60	70	80 90	100

DRILLER: Geo Lab EQUIPMENT: Geoprobe 6610

METHOD: HSA HOLE DIA.: 4 inches

REMARKS:

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

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

SOIL TEST BORING RECORD

BORING NO.: GP-38

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA

DRILLED: March 15, 2017

PROJECT NO.: 6121-09-0220



D	COIL CLASSIFICATION	т	F	S	AN	IPLES	р	L (%	.)	NI.	1 (%)		II (%	.)
D E P	SOIL CLASSIFICATION AND REMARKS	L E G	E L E	I		N-COUNT	1 1	L (%			1 (%) O NES (%	``	LL (%	,,
T H	SEE KEY SHEET FOR EXPLANATION OF	E N	V	D E	T Y P E	9					T (bpf			
(ft)	SYMBOLS AND ABBREVIATIONS USED BELOW.	D	(ft)	N T	E	1st 6" 2nd 6" 3rd 6"	10) 20					80	90 100
0 -	TOPSOIL	11/2. X1 1/2.								Ť		Ť		
	FILL - Brown fine to medium SAND with gravel. RESIDUAL - Brown fine to medium sandy SILT with													
-	some clay.		- " -				-							
-							-							
- 5 -				-						\top		1		
-	Gray fine to medium sandy SILT with clay.						-							
	_						-							
- 10 -	¥										\Box			门围
-				-			-							
							-							
- 15 -	Boring terminated at 14 feet.	1.1.1.	_				-							1.1.
				-			-							
- 1/14				-			-							-
T 3/2							-							-
FORMER RHEEM MANUFACTURING.GPJ AMEC.GDT 3/21/14														
AME							-							
GPJ							-							-
JAIN -														
- 25 -										-	\sqcup			
							-							-
MM -							-							-
KHEE														
H 30 -							\vdash			+	-	_	_	
FOR							-							-
<u>Y</u>														
OPE														
£ 35 −							-	-		-	\vdash	-	-	
10N							-							-
AMP														
39 BR														
F 40 -							\vdash	+	-	-	++	+	-	
30RIP														
ESTE			_											
SOIL TEST BORING 139 BRAMPTON RD PROPERTY-							-							-
∞L 45 -							0 10) 20	30	40 :	50 60	70	80 9	00 100

DRILLER: ATLAS

EQUIPMENT: Power Probe 9510

METHOD: HSA HOLE DIA.: 4 inches

REMARKS: Type II well installed. Stabilized depth to water 10.28

measured on 2/12/14.

Prepared by: T. Boyles Reviewed by: C. Ferry

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

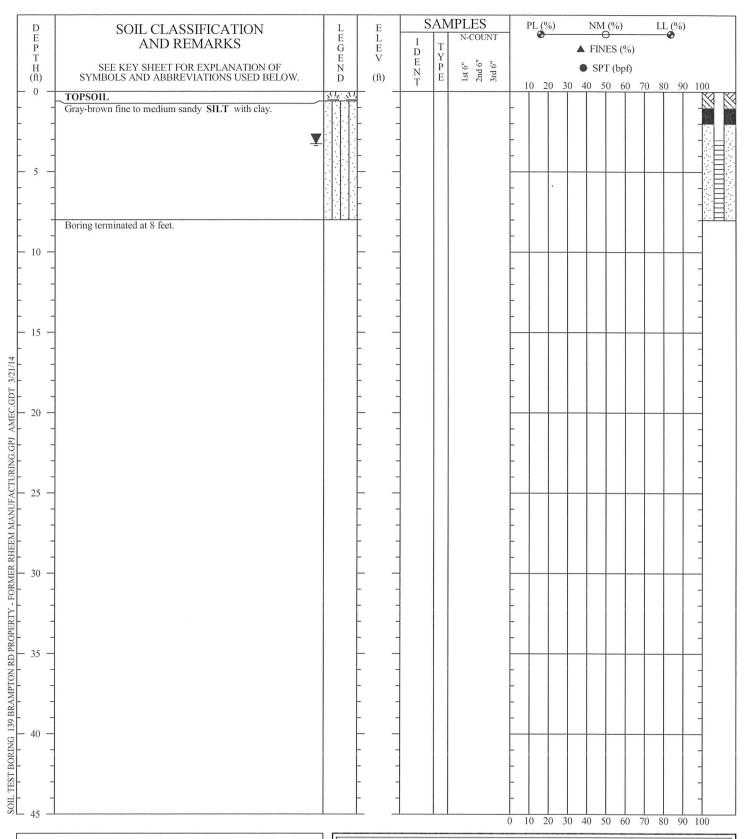
SOIL TEST BORING RECORD

BORING NO.: EW-4

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA
DRILLED: February 11, 2014
PROJECT NO.: 6121-09-0220





DRILLER: ATLAS
EQUIPMENT: Hand Auger
METHOD: Hand Auger
HOLE DIA.: 4 inches

REMARKS: Type II well installed with stickup cover. Stabilized

depth to water 3.27 measured on 2/12/14.

Prepared by: T. Boyles Reviewed by: C. Ferry

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

SOIL TEST BORING RECORD

BORING NO.: EW-5

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA
DRILLED: February 11, 2014

PROJECT NO.: 6121-09-0220 PAGE 1 OF 1



D	SOIL CLASSIFICATION	L E	E L	S	AM	IPLES .	PL	(%)]	NM (%	5)	LI	L (%)	
E P T	AND REMARKS	E G E	L E V	I D	T	N-COUNT	\		▲ FINES (%)					
H (ft)	SEE KEY SHEET FOR EXPLANATION OF SYMBOLS AND ABBREVIATIONS USED BELOW.	N D	(ft)	E N T	P E	1st 6" 2nd 6" 3rd 6"	10	20 30		SPT (1		70 81	0 90	100
- 0 -	TOPSOIL Tan-brown fine to medium sandy SILT with clay.	11.1.1.					-							
	Gray-brown fine to medium sandy SILT with clay.	,					-							
[]			-				-							
- 5 -			 											1
-			-				-							1
			-				-							
- 10 -									1					_
							-							-
			-											1
- 15 -									+	+	+			-
21/14							-							-
3DT 3/							-							1
20 – 20 –								+		+				-
GPJ /							-							-
TURING							-							1
- 25 -									+	+				
1 MAN			-]
RHEEN							-							
- 30 -								+		+	-		+	
LY - FO							-]
COPER							-							-
원 - 35 -								+		+			+	
MPTON							-							-
9 BRAI							-							-
- 40 -									+	-			-	
FBORI														-
SOIL TEST BORING 139 BRAMPTON RD PROPERTY - FORMER RHEEM MANUFACTURING, GPJ AMEC, GDT 3/21/14 100							_							-
SL ₄₅ _			L _		Ш	() 10	20 30	0 40	50	60 7	0 80	0 90	100

DRILLER: ATLAS
EQUIPMENT: Hand Auger
METHOD: Hand Auger

HOLE DIA.: 4 inches

REMARKS: Type II well installed with stickup cover. Stabilized

depth to water 3.05 measured on 2/12/14.

Prepared by: T. Boyles Reviewed by: C. Ferry

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

SOIL TEST BORING RECORD

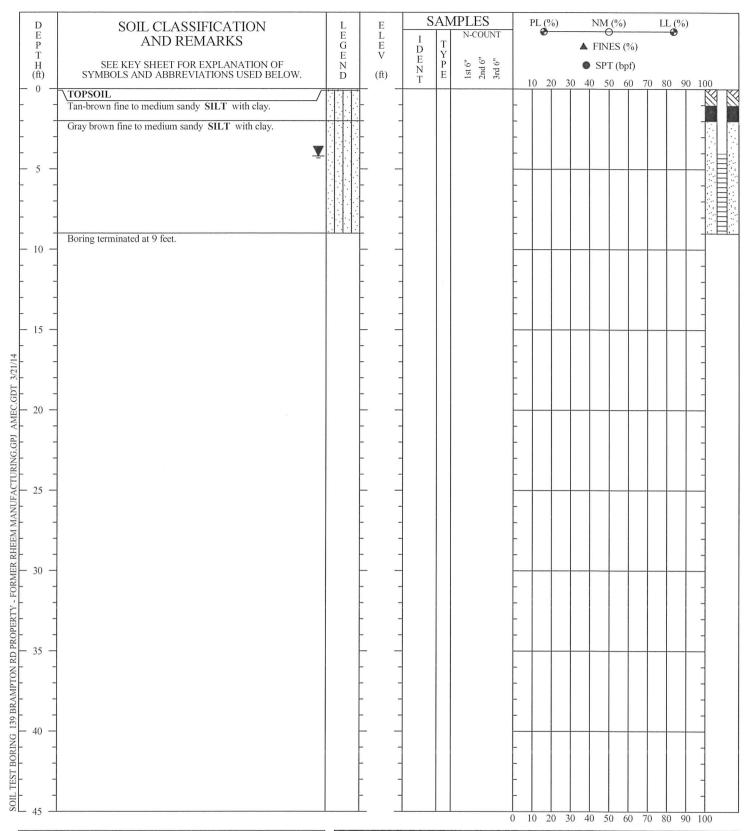
BORING NO.: EW-6

PROJECT: 139 Brampton Road Property

LOCATION: Savannah, GA **DRILLED:** February 11, 2014

PROJECT NO.: 6121-09-0220





DRILLER: ATLAS EQUIPMENT: Hand Auger

METHOD: Hand Auger HOLE DIA.: 4 inches

REMARKS: Type II well installed with stickup cover. Stabilized

depth to water 4.20 measured on 2/12/14.

Prepared by: T. Boyles Reviewed by: C. Ferry

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

SOIL TEST BORING RECORD

BORING NO.: EW-7

PROJECT: 139 Brampton Road Property

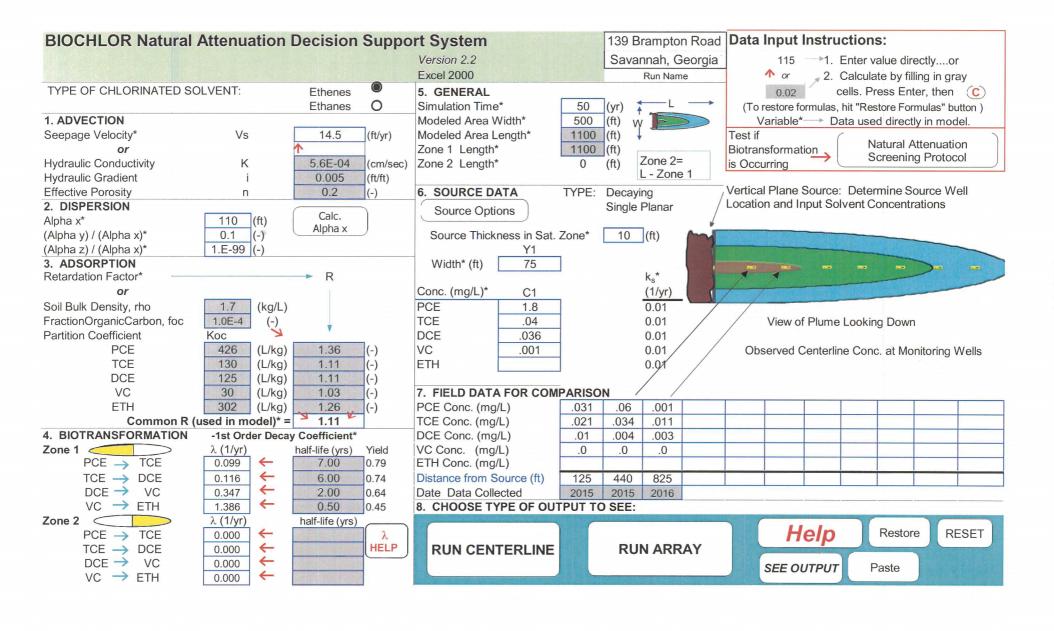
LOCATION: Savannah, GA

DRILLED: February 11, 2014

PROJECT NO.: 6121-09-0220 **PAGE** 1 **OF** 1



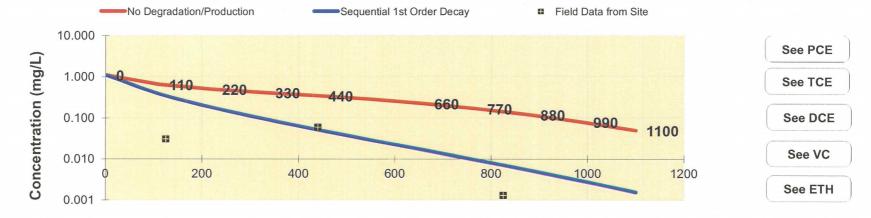
APPENDIX D GROUNDWATER MODELING



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

Distance from Source (ft)

_	Distance in our deares (14)											
PCE	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	
	EW-2	W-5	EW-7	Monitoring Well Locations (ft)								
	125	440	825									
Field Data from Site	0.031	0.060	0.001									



Distance From Source (ft.)

Prepare Animation

Time:

50.0 Years

Return to Input

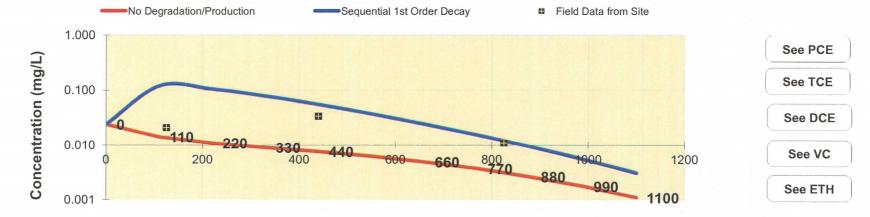
To All

To Array

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

Distance from Source (ft)

_											
TCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.024	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
	EW-2 W-5 EW-7 Monitoring Well Locations (ft)										
	125	440	825								
Field Data from Site	0.021	0.034	0.011								



Distance From Source (ft.)

Prepare Animation

Time:

50.0 Years

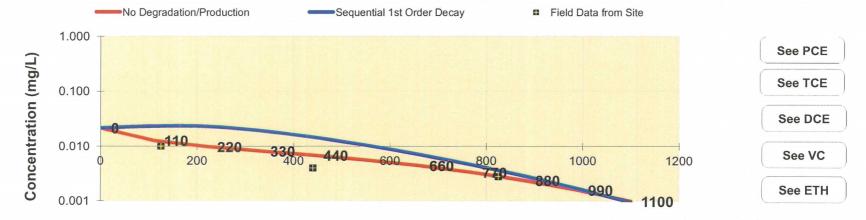
Log Linear

To All

To Array

Distance from Source (ft)

DCE	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		
	EW-2	W-5	EW-7		Monitorin	g Well Loc	ations (ft)						
	125	440	825										
Field Data from Site	0.010	0.004	0.003										



Distance From Source (ft.)

Prepare Animation

Time:

50.0 Years

Log \input Linear

Return to Input

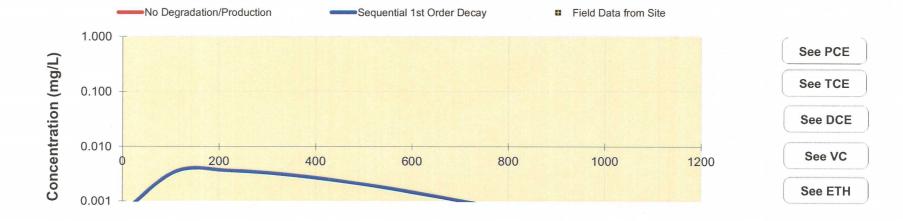
To All

To Array

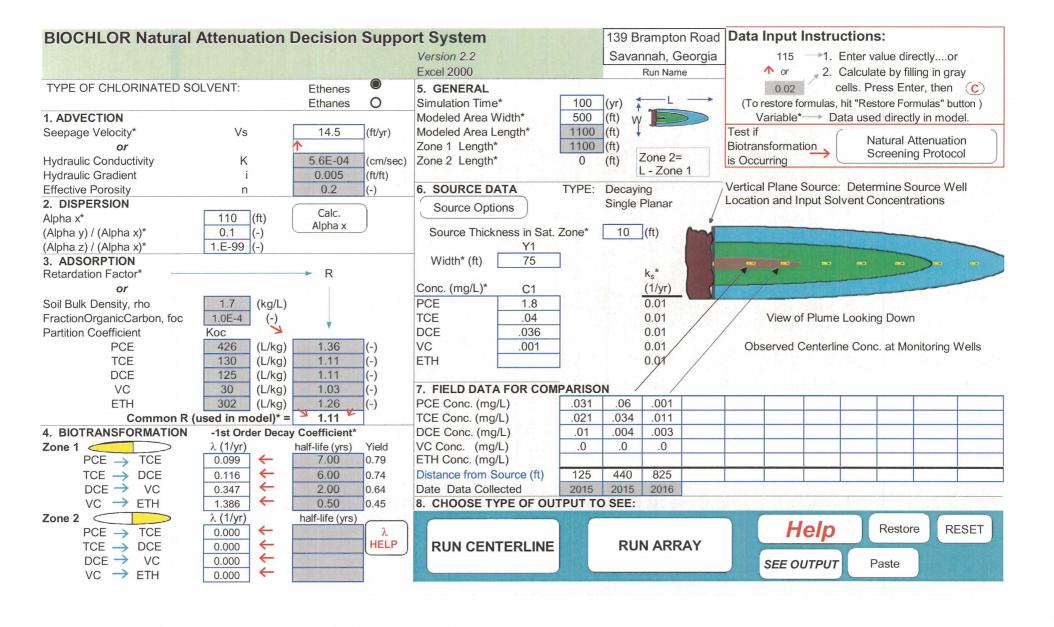
Distance from Source (ft) VC 0 110 220 330 440 550 660 770 880 990 1100 No Degradation 0.001 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 **Biotransformation** 0.0006 0.003 0.004 0.002 0.002 0.003 0.001 0.001 0.000 0.000 0.000 EW-2 W-5 EW-7 **Monitoring Well Locations (ft)** 125 440 825 Field Data from Site 0.000

0.000

0.000

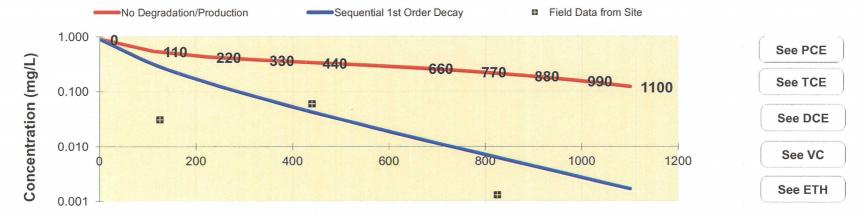






Distance from Source (ft)

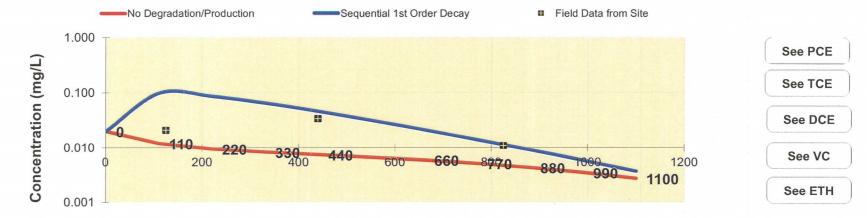
PCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.894	0.536	0.423	0.369	0.330	0.297	0.263	0.228	0.191	0.155	0.121
Biotransformation	0.8939	0.313	0.147	0.077	0.042	0.024	0.014	0.008	0.005	0.003	0.002
	EW-2	W-5	EW-7		Monitorin	g Well Loc	ations (ft)				
	125	440	825								
Field Data from Site	0.031	0.060	0.001								



	Time:			
B. J.	70.0 Years	Return to		
Replay	Log \ Linear	Input	To All	To Array

Distance from Source (ft)

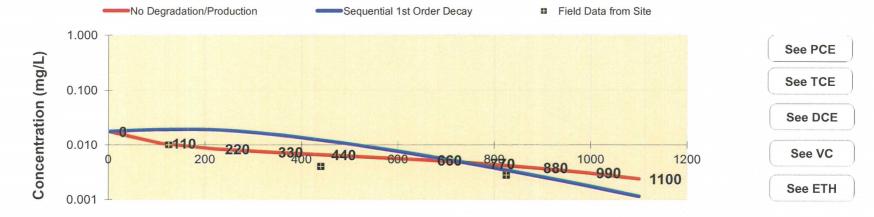
TCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.020	0.012	0.009	0.008	0.007	0.007	0.006	0.005	0.004	0.003	0.003
Biotransformation	0.0199	0.098	0.086	0.065	0.046	0.032	0.021	0.014	0.009	0.006	0.004
	EW-2	W-5	EW-7		Monitoring	g Well Loc	ations (ft)				
	125	440	825								
Field Data from Site	0.021	0.034	0.011								



	Time:			
Davies	70.0 Years	Return to		
Replay	Log \times Linear	Input	To All	To Array

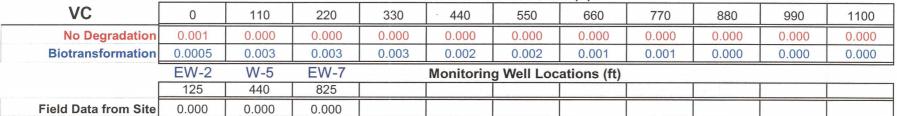
Distance from Source (ft)

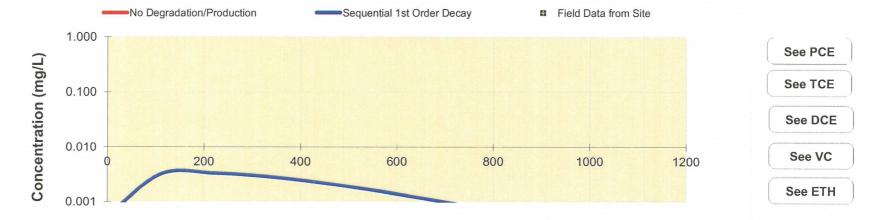
_							' '				
DCE	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.018	0.011	0.008	0.007	0.007	0.006	0.005	0.005	0.004	0.003	0.002
Biotransformation	0.0179	0.019	0.019	0.016	0.012	0.009	0.006	0.004	0.003	0.002	0.001
	EW-2	W-5	EW-7		Monitoring	g Well Loc	ations (ft)				
	125	440	825								
Field Data from Site	0.010	0.004	0.003								



	Time:			
D 1	70.0 Years	Return to		
Replay	Log \Linear	Input	To All	To Array



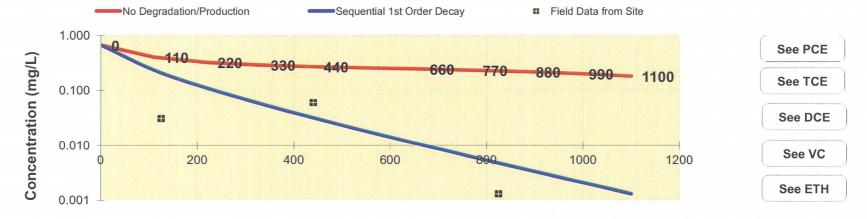




	Time.				
Replay	60.0 Years Log \times \times \times \times \times	Return to Input	To All	To Array	

Distance from Source (ft)

_	and the second s			and the same of th	and the same of the same of	A STATE OF THE STA		Annual Control of the		and the latest termination of the latest ter	American Company of the Company of t
PCE	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
	EW-2	W-5	EW-7		Monitorin	g Well Loc	ations (ft)				
	125	440	825								
Field Data from Site	0.031	0.060	0.001								



Distance From Source (ft.)

Prepare Animation

Time:

100.0 Years

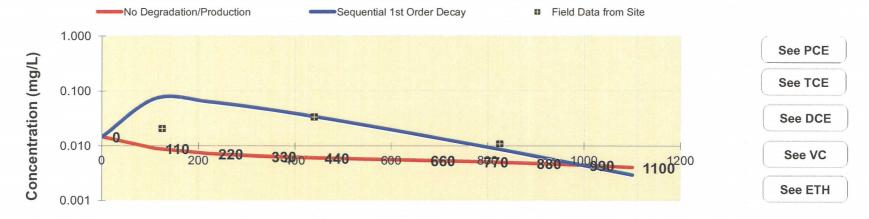
Log Linear

To All

To Array

Distance from Source (ft)

_						and the same of th	1 /	and the same of th	And the second name of the second name of the second		and the second s
TCE	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
	EW-2	W-5	EW-7		Monitorin	g Well Loc	ations (ft)				
	125	440	825								
Field Data from Site	0.021	0.034	0.011								



Distance From Source (ft.)

Prepare Animation

Time:

100.0 Years

Log Linear

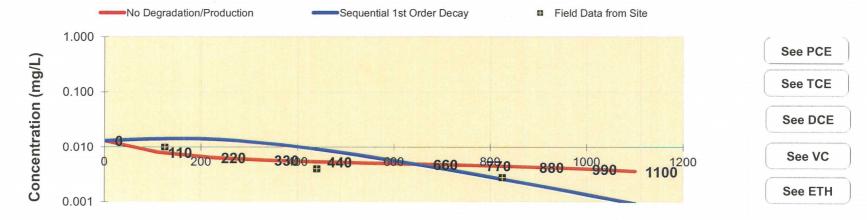
Return to Input

To All

To Array

Distance from Source (ft)

_							(/	And the Control of th	La Company of the Com	Committee of the Commit	
DCE	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
	EW-2	W-5	EW-7		Monitorin	g Well Loc	ations (ft)				
	125	440	825								
Field Data from Site	0.010	0.004	0.003								



Distance From Source (ft.)

Prepare Animation

Time:

100.0 Years

Log \ightharpoonup Linear

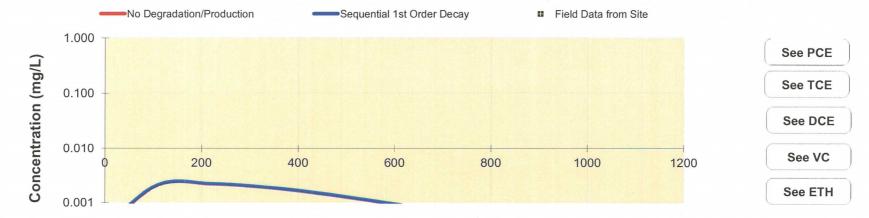
Return to Input

To All

To Array



_							()				
VC	0	110	220	330	440	550	660	770	880	990	1100
No Degradation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	0.0004	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000
	EW-2	W-5	EW-7		Monitorin	g Well Loc	ations (ft)				
	125	440	825								
Field Data from Site	0.000	0.000	0.000								



Distance From Source (ft.)

Prepare Animation

Time:

100.0 Years

Log Chinear

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 x 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 Transverse Dispersivity Vertical Dispersivity	110 0.1 1x10 ⁻⁹⁹	10% of estimated plume length Biochlor recommended value Biochlor recommended value				
Adsorption	Retardation Factor	1.11	Calculated from R=1+K _{oc} x f _{oc} x ρ/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 Conductivi	ty (Baseline =	5.6 x 10 ⁻⁴ cm/sec)		
		•	tions (mg/L)		
Constituent	2x Baseline	Baseline	0.5xBaseline*	Observed	
PCE	0.039	0.007	0.0	0.001	
TCE	0.040	0.012	0.0	0.011	
DCE	0.029	0.004	0.0	0.003	
VC	0.002	0.001	0.0	0.0	
	Hydraulic Grad	dient (Baselir	ne = 0.005)		
Constituent		Concentra	tions (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 Por		·		
Constituent			tions (mg/L)	1	
	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 Dispe		•		
Constituent			tions (mg/L)	ı	
	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	
Transv	erse Dispersivity (Base		-	rity)	
Constituent		l	tions (mg/L)	T	
	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 F				
Constituent	4.5.0		tions (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 VC	0.002	0.004	0.004	0.003	
VC	0.0 Aquifer Matrix Den	0.001	0.001	0.0	
	Aquirer Matrix Dell		tions (mg/L)		
Constituent	1 2v Bosolino			Observed	
DOF	1.2x Baseline	Baseline	0.90x Baseline	Observed	
PCE	0.007	0.007	0.007	0.001	
TCE DCE	0.012 0.004	0.012 0.004	0.012 0.004	0.011 0.003	
VC	0.004	0.004	0.004	0.003	
٧.	0.001	0.001	0.001	0.0	

Table D-2 - Model Sensitivity Analysis; Calculated for March 2016 at EW-7 (cont.)

	For (Ba	seline = 0.00	n1)							
	1 00 (50		tions (mg/L)							
Constituent	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		Concentra	tions (mg/L)							
Constituent	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	on Rate Constant (Base		PCE, 0.139-TCE, 0.173	-DCE, 1.386-						
	T	VC)	tions (mg/L)							
Constituent										
Constituent	1.5x Baseline	Baseline	0.5x Baseline	Observed						
PCE	0.007	0.007 0.007 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 (Bas	seline = 0.021)							
Constituent		Concentra	tions (mg/L)							
Constituent	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 Wid	th (Baseline	= 75 Ft)							
Constituent		Concentra	tions (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

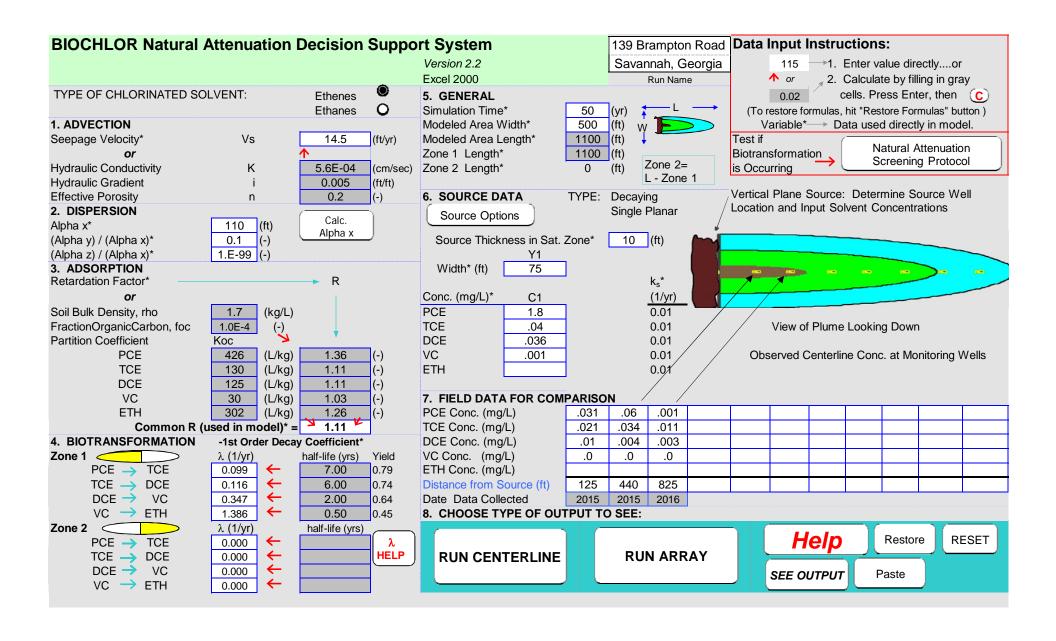
Table D-3 – Summary of Predicted vs. Observed VOC Concentrations, 2015-2016

Constituent, mg/L	EV	V-2	V	V-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	0.00438 0.004			
Vinyl Chloride	0.004 <0.001		0.002	0.002 <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



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)
Volatile Organic Compounds			
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: <u>LWC 10/14/13</u> CHECKED/DATE: <u>LMS 10/17/13</u>

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	15 cm	Slab on grade foundation -				
Space Floor		assumption				
Depth Below Grade to	46.94 cm	Site-specific (1.54 ft); based on 2013				
Groundwater /Thickness of Soil		monitoring well data (GW-9)				
Stratum						
Stratum A Soil Vapor	SC	Sandy Clay; site-specific				
Permeability						
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	40 g/cm-s ²	Model default				
Differential						
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,	25 years	Default for occupational				
Noncarcinogens						
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	1 unitless	Target Hazard				
Noncarcinogens						

Prepared by: <u>LWC 10/14/13</u> Checked by: <u>LMS 10/17/13</u>

Table E-3 Calculations of Risk to Indoor Air Concentrations Site Worker - Future Inhalation of Indoor Air McDonald Ventures 155 Brampton Road, Savannah, GA

		_			Toxicity	/ Values			
Parameter Value Type Concentration in Air (1)		Exposure Conce	entration (ug/m³) ⁽²⁾	Inhalation RfC	Inhalation Unit Risk		Hazard Quotient ⁽³⁾	Excess Cancer Risk ⁽⁴⁾	
	(ug/m³)		Noncarcinogen	Carcinogen	(mg/m³)	(ug/m³) ⁻¹	Source	(Unitless)	(Unitless)
Volatile Organic Compounds 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

PREPARED/DATE: <u>LWC 10/14/13</u> CHECKED/DATE: <u>LMS 10/17/13</u>

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).

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		

⁽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



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	1 unitless	Target Hazard				
Noncarcinogens						

Prepared by: <u>SAG 3/22/16</u> Checked by: <u>MKB 3/23/16</u>

OSWER VAPOR INTRUSION ASSESSMENT

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?	Does chemical have inhalation toxicity data?	and Toxic to Pose Inhalation Risk Via Vapor Intrusion from	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? Chc > Cia,tarqet?	Conc. @ TCR = 10E-06 or THQ =	Toxicity Basis	Gas Conc. @ TCR = 10E-06		Is Target		Maximum Groundwater Vapor Conc. Chc	Temperature for Max. Groundwater Vapor Conc. Tow or 25	Lower Explosive Limit** LEL	LEL Source	Inhalation Unit Risk IUR		Reference Concentration		Target Indoor Air Conc. for carcinogens @ TCR = 10E-06 Cia,c	Non- Carcinogens @
x 71-43-2	Benzene	Yes	Yes	Yes	Yes	3.1E+00	NC	1.0E+02	1.7E+01	No (5)	3.98E+08	3.32E+08	20.6	1.2	N	7.80E-06	- 1	3.00E-02	1	3.6E+00	3.1E+00
x 71-43-2 x 67-66-3	Chloroform	Yes	Yes	Yes	Yes	1.2E+00	С	4.1E+01	9.8E+00	Yes (8.0E+01(F))	1.27E+09	9.88E+08	20.6			2.30E-05		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						1.73E+09	1.45E+09	20.6	9.7	M						
x 127-18-4	Tetrachloroethylene	Yes	Yes	Yes	Yes	4.2E+00	NC	1.4E+02	7.3E+00	No (5)	1.65E+08	1.17E+08	20.6			2.60E-07		4.00E-02	I	1.1E+02	4.2E+00
x 79-01-6	Trichloroethylene	Yes	Yes	Yes	Yes	2.1E-01	NC	7.0E+00	6.4E-01	Yes (5)	4.88E+08	4.16E+08	20.6	8	N	see note		2.00E-03	I TO	E 4.8E+00	2.1E-01
x 75-01-4	Vinyl Chloride	Yes	Yes	Yes	Yes	1.7E+00	С	5.6E+01	1.7E+00	Yes (2)	1.00E+10	8.84E+09	20.6	3.6	N	4.40E-06		1.00E-01	I V	1.7E+00	1.0E+01

Inhalation Pathway Exposure Parameters (RME):	Units	Resi	dential	Comm	ercial	Select	Selected (based on scenario in cell		
Exposure Scenario		Symbol	Value	Symbol	Value	Symbol	Value		
Averaging time for carcinogens	(yrs)	ATc_R	70	ATc_C	70	ATc	70		
Averaging time for non-carcinogens	(yrs)	ATnc_R	26	ATnc_C	25	ATnc	26		
Exposure duration	(yrs)	ED_R	26	ED_C	25	ED	26		
Exposure frequency	(days/yr)	EF_R	350	EF_C	250	EF	350		
Exposure time	(hr/day)	ET R	24	ET C	8	ET	24		

(2) Generic Attenuation Factors:		Residential	Commercial	Selected (based on scenario in cell G10)
Source Medium of Vapors		Symbol Value	Symbol Value	Symbol Value
Groundwater	(-)	AFgw_R 0.001	AFgw_C 0.001	AFgw 0.001
Sub-Slab and Exterior Soil Gas	(-)	AFss R 0.03	AFss C 0.03	AFss 0.03

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)

Special Case Chemicals Trichloroethylene

Value Value Value mIURTCE_C 0.00E+00
IURTCE_C 4.10E-06 mIURTCE_R 1.00E-06 IURTCE_R 3.10E-06 1.00E-06 3.10E-06 mIURTCE

Mutagenic Chemicals

The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

Age Cohort	Exposure Duration (years)	Age-dependent adjustment factor
0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 72 This factor is used in the equations for mutagenic chemicals.

See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:

NVT = Not sufficiently volatile and/or toxic to pose inhalation risk in selected exposure scenario for the indicated medium

NVT = Not sufficiently volatile and/or toxic to pose inhalation risk in selected exposure scenario for the indicated medium

C = 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 sepecific MSDS

Mut = Chemical according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).

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.

http://www.epa.gov/iris/subst/index.html http://hhpprtv.ornl.gov/pprtv.shtml

http://www.atsdr.cdc.gov/mrls/index.html

http://www.acsu.coc.gov/mismines.nimi http://www.oehha.ca.gov/risk/ChemicalDB/index.asp http://epa-heast.ornl.gov/heast.shtml

http://www.cdc.gov/niosh/npg/default.html http://www.cdc.gov/niosh/npg/default.html

Selected (based on scenario in cell G10)

VISL Calculator Version 3.4.5. November 2015 RSLs Page 1 of 1

OSWER VAPOR INTRUSION ASSESSMENT

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?	and Toxic to Pose Inhalation Risk Via Vapor Intrusion from	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? Chc > Cia,tarqet?	Conc. @ TCR = 10E-06 or THQ =	Toxicity		Water Conc. @ TCR = 10E-06	Is Target			Temperature for Max. Groundwater Vapor Conc. Tow or 25	Lower Explosive Limit** LEL	LEL Source	Inhalation Unit Risk IUR		Reference Concentration		Target Indoor Air Conc. for enic Carcinogens @ TCR = 10E-06	Non- Carcinogens @
x 71-43-2	Benzene	Yes	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	ı	3.00E-02	1	1.6E+01	1.3E+01
x 67-66-3	Chloroform	Yes	Yes	Yes	Yes	5.3E+00	С	1.8E+02		Yes (8.0E+01(F))	1.27E+09	9.88E+08	20.6			2.30E-05	- 1	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						1.73E+09	1.45E+09	20.6	9.7	M						
x 156-60-5 x 127-18-4	Tetrachloroethylene	Yes	Yes	Yes	Yes	1.8E+01	NC	5.8E+02	3.1E+01	No (5)	1.65E+08	1.17E+08	20.6			2.60E-07	I	4.00E-02	1	4.7E+02	1.8E+01
x 79-01-6	Trichloroethylene	Yes	Yes	Yes	Yes	8.8E-01	NC	2.9E+01	2.7E+00	Yes (5)	4.88E+08	4.16E+08	20.6	8	N	see note	1	2.00E-03	I TO	E 3.0E+01	8.8E-01
x 75-01-4	Vinyl Chloride	Yes	Yes	Yes	Yes	2.8E+01	С	9.3E+02	2.8E+01	No (2)	1.00E+10	8.84E+09	20.6	3.6	N	4.40E-06	- 1	1.00E-01	I V	2.8E+01	4.4E+01

Inhalation Pathway Exposure Parameters (RME):	Units	Resi	dential	Comme	ercial	Sele	Selected (based on scenario in	
Exposure Scenario		Symbol	Value	Symbol	Value	Symbol	Value	
Averaging time for carcinogens	(yrs)	ATc_R	70	ATc_C	70	ATc	70	
Averaging time for non-carcinogens	(yrs)	ATnc_R	26	ATnc_C	25	ATnc	25	
Exposure duration	(yrs)	ED_R	26	ED_C	25	ED	25	
Exposure frequency	(days/yr)	EF_R	350	EF_C	250	EF	250	
Exposure time	(hr/day)	ET R	24	ET C	8	ET	8	

Generic Attenuation Factors: Source Medium of Vapors based on scenario in cell G10) (-) (-) Sub-Slab and Exterior Soil Gas

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)

Trichloroethylene

Special Case Chemicals

Resi	dential	Commo	ercial	Selected (based on scenar			
Symbol	Value	Symbol	Value	Symbol	Value		
mIURTCE_R	1.00E-06	mIURTCE_C	0.00E+00	mIURTCE	0.00E+00		
HIDTOE D	2.405.00	HIDTOF C	4.405.00	HIDTOF	4.40=.00		

Mutagenic Chemicals

The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

Exposure Duration (years)	Age-dependent adjustment factor
2	10
4	3
10	3
10	1
	Duration (years) 2 4 10

http://www.epa.gov/iris/subst/index.html http://hhpprtv.ornl.gov/pprtv.shtml

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

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 sepecific MSDS

Mut = Chemical according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).

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.

Ago donondont

Mutagenic-mode-of-action (MMOA) adjustment factor 25 This factor is used in the equations for mutagenic chemicals.

http://www.atsdr.cdc.gov/mrls/index.html

http://www.acsu.coc.gov/mismines.nimi http://www.oehha.ca.gov/risk/ChemicalDB/index.asp http://epa-heast.ornl.gov/heast.shtml

http://www.cdc.gov/niosh/npg/default.html http://www.cdc.gov/niosh/npg/default.html

SG-ADV Version 3.1; 02/04

Reset to Defaults

	So	I Gas Concentrati	on Data	
ENTER	ENTER		ENTER	
Chemical CAS No. (numbers only,	Soil gas conc., C _q	OR	Soil gas conc., C _q	
no dashes)	(μg/m ³)		(ppmv)	Chemical
		1		·
67663	6.10E+02			Chloroform

MORE	
•	

ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER		ENTER
Depth			Totals mu	st add up to value of L	s (cell F24)	Soil		
below grade	Soil gas			Thickness	Thickness	stratum A		User-defined
to bottom	sampling	Average	Thickness	of soil	of soil	SCS		stratum A
of enclosed	depth	soil	of soil	stratum B,	stratum C,	soil type		soil vapor
space floor,	below grade,	temperature,	stratum A,	(Enter value or 0)	(Enter value or 0)	(used to estimate	OR	permeability,
L_F	L_s	T _S	h _A	h _B	h_C	soil vapor		k_{v}
(cm)	(cm)	(°C)	(cm)	(cm)	(cm)	permeability)		(cm ²)
15	61	20.6	61			SC		

MORE **↓**

ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER
Stratum A	Stratum A	Stratum A	Stratum A	Stratum B	Stratum B	Stratum B	Stratum B	Stratum C	Stratum C	Stratum C	Stratum C
SCS	soil dry	soil total	soil water-filled	SCS	soil dry	soil total	soil water-filled	SCS	soil dry	soil total	soil water-filled
soil type	bulk density,	porosity,	porosity,	soil type	bulk density,	porosity,	porosity,	soil type	bulk density,	porosity,	porosity,
Lookup Soil	$\rho_b^{\ A}$	n ^A	$\theta_{w}^{\;A}$	Lookup Soil	$\rho_b^{\ B}$	n ^B	θ_w^B	Lookup Soil	ρ _b C	n ^C	θ_{w}^{C}
Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)	Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)	Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)

ENTER Average vapor flow rate into bldg.

OR

Leave blank to calculate Q_{soil} (L/m)

MORE **↓**

SC

1.63

ENTER Enclosed	ENTER	ENTER Enclosed	ENTER Enclosed	ENTER	ENTER	ENTER
space	Soil-bldg.	space	space	Enclosed	Floor-wall	Indoor
floor	pressure	floor	floor	space	seam crack	air exchange
thickness,	differential,	length,	width,	height,	width,	rate,
L _{crack}	ΔP	L _B	W _B	H _B	W	ER
(cm)	(g/cm-s ²)	(cm)	(cm)	(cm)	(cm)	(1/h)
10	40	5456	3063	488	0.1	1.5

0.197

10	40	5456	3063	488	
ENTER	ENTER	ENTER	ENTER		
Averaging	Averaging				
time for	time for	Exposure	Exposure		
carcinogens,	noncarcinogens,	duration,	frequency,		
AT _C	AT _{NC}	ED	EF		
(yrs)	(yrs)	(yrs)	(days/yr)	_	
70	25	25	250		

0.385

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D _a	Diffusivity in water,	Henry's law constant at reference temperature, H	Henry's law constant reference temperature, T _R	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$	Normal boiling point, T _B	Critical temperature,	Molecular weight, MW	Unit risk factor, URF	Reference conc., RfC
(cm ² /s)	(cm ² /s)	(atm-m ³ /mol)	(°C)	(cal/mol)	(°K)	(°K)	(g/mol)	(μg/m ³) ⁻¹	(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)	$\begin{array}{c} \text{Stratum A} \\ \text{soil} \\ \text{air-filled} \\ \text{porosity,} \\ \theta_a^{\ A} \\ \text{(cm}^3\text{/cm}^3\text{)} \end{array}$	Stratum B soil air-filled porosity, $\theta_a^{\ B}$ (cm³/cm³)	Stratum C soil air-filled porosity, $\theta_a^{\ C}$ (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. (µg/m³)	Bldg. ventilation rate, Q _{building} (cm³/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-m³/mol)	Henry's law constant at ave. soil temperature, H' _{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ _{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D ^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D ^{eff} B (cm ² /s)	Stratum C effective diffusion coefficient, D ^{eff} c (cm ² /s)	Total overall effective diffusion coefficient, D ^{eff} _T (cm ² /s)	Diffusion path length, L _d (cm)
1.70E+07	1.00E-04	15	7,444	3.03E-03	1.26E-01	1.79E-04	1.99E-03	0.00E+00	0.00E+00	1.99E-03	46
Convection path length, Lp (cm)	Source vapor conc., C _{source} (μg/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(Pef) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., C _{building} (µg/m³)	Unit risk factor, URF (µg/m³) ⁻¹	Reference conc., RfC (mg/m³)	_
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	

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental	Hazard					
risk from	quotient					
vapor	from vapor					
intrusion to	intrusion to					
indoor air,	indoor air,					
carcinogen	noncarcinogen					
(unitless)	(unitless)					
6.3E-09	7.8E-06					

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

SG-ADV Version 3.1; 02/04

Reset to Defaults

	So	il Gas Concentrati	on Data	
ENTER	ENTER		ENTER	
	Soil		Soil	
Chemical	gas		gas	
CAS No.	conc.,	OR	conc.,	
(numbers only,	C_g		C_g	
no dashes)	(µg/m³)		(ppmv)	Chemical
		_		
127184	8.00E+05			Tetrachloroethylene

MORE	
•	

ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER		ENTER
Depth			Totals mu	ist add up to value of L	s (cell F24)	Soil		
below grade	Soil gas			Thickness	Thickness	stratum A		User-defined
to bottom	sampling	Average	Thickness	of soil	of soil	SCS		stratum A
of enclosed	depth	soil	of soil	stratum B,	stratum C,	soil type		soil vapor
space floor,	below grade,	temperature,	stratum A,	(Enter value or 0)	(Enter value or 0)	(used to estimate	OR	permeability,
L_F	L_s	T _S	h _A	h _B	h _C	soil vapor		k_{v}
(cm)	(cm)	(°C)	(cm)	(cm)	(cm)	permeability)	<u>.</u>	(cm ²)
							•	
15	61	20.6	61			SC		

MORE **↓**

ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER
Stratum A	Stratum A	Stratum A	Stratum A	Stratum B	Stratum B	Stratum B	Stratum B	Stratum C	Stratum C	Stratum C	Stratum C
SCS	soil dry	soil total	soil water-filled	SCS	soil dry	soil total	soil water-filled	SCS	soil dry	soil total	soil water-filled
soil type	bulk density,	porosity,	porosity,	soil type	bulk density,	porosity,	porosity,	soil type	bulk density,	porosity,	porosity,
Lookup Soil	$\rho_b^{\ A}$	n ^A	$\theta_{w}^{\;A}$	Lookup Soil	$\rho_b^{\ B}$	n ^B	θ_w^B	Lookup Soil	ρ _b C	n ^C	θ_{w}^{C}
Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)	Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)	Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)

MORE **↓** SC

1.63

ENTER Enclosed	ENTER	ENTER Enclosed	ENTER Enclosed	ENTER	ENTER	ENTER
space	Soil-bldg.	space	space	Enclosed	Floor-wall	Indoor
floor	pressure	floor	floor	space	seam crack	air exchange
thickness,	differential,	length,	width,	height,	width,	rate,
L _{crack}	ΔΡ	L _B	W _B	H _B	w	ER
(cm)	(g/cm-s ²)	(cm)	(cm)	(cm)	(cm)	(1/h)
10	40	5456	3063	488	0.1	1.5

0.197

ENTER
Average vapor
flow rate into bldg.
OR
Leave blank to calculate
Q_{soil}
(L/m)

ENTER **ENTER ENTER ENTER** Averaging Averaging Exposure frequency, EF Exposure duration, time for time for carcinogens, noncarcinogens, AT_C ED AT_{NC} (yrs) (yrs) (yrs) (days/yr) 70 25 25 250

0.385

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D _a	Diffusivity in water, D _w	Henry's law constant at reference temperature, H	Henry's law constant reference temperature, T _R	Enthalpy of vaporization at the normal boiling point, ΔH _{v,b}	Normal boiling point, T _B	Critical temperature,	Molecular weight, MW	Unit risk factor, URF	Reference conc., RfC
(cm ² /s)	(cm ² /s)	(atm-m ³ /mol)	(°C)	(cal/mol)	(°K)	(°K)	(g/mol)	(μg/m³) ⁻¹	(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)	$\begin{array}{c} \text{Stratum A} \\ \text{soil} \\ \text{air-filled} \\ \text{porosity,} \\ \theta_{\text{a}}^{\text{ A}} \\ \text{(cm}^{3}\text{/cm}^{3}\text{)} \end{array}$	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, $\theta_a^{\ C}$ (cm^3/cm^3)	Stratum A effective total fluid saturation, S _{te} (cm³/cm³)	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. (µg/m³)	Bldg. ventilation rate, Q _{building} (cm³/s)
7.88E+08	46	0.188	ERROR	ERROR	0.299	1.77E-09	0.837	1.49E-09	17,038	8.00E+05	3.40E+06
Area of enclosed space below grade, A _B (cm ²)	Crack- to-total area ratio, η (unitless)	Crack depth below grade, Z _{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H _{TS} (atm-m ³ /mol)	Henry's law constant at ave. soil temperature, H' _{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D ^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D ^{eff} _B (cm²/s)	Stratum C effective diffusion coefficient, Deff C (cm²/s)	Total overall effective diffusion coefficient, Deff_ (cm²/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, Lp (cm)	Source vapor conc., C _{source} (μg/m ³)	Crack radius, r _{crack} (cm)	Average vapor flow rate into bldg., Q _{soil} (cm³/s)	Crack effective diffusion coefficient, D ^{crack} (cm ² /s)	Area of crack, A _{crack} (cm ²)	Exponent of equivalent foundation Peclet number, exp(Pe¹) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., C _{building} (µg/m³)	Unit risk factor, URF (µg/m³) ⁻¹	Reference conc., RfC (mg/m³)	
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]

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental	Hazard
risk from	quotient
vapor	from vapor
intrusion to	intrusion to
indoor air,	indoor air,
carcinogen	noncarcinogen
(unitless)	(unitless)
9.2E-08	2.5E-02

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

SG-ADV Version 3.1; 02/04

Reset to Defaults

	So	il Gas Concentrati		
ENTER	ENTER		ENTER	
	Soil		Soil	
Chemical	gas		gas	
CAS No.	conc.,	OR	conc.,	
(numbers only,	C_g		C_g	
no dashes)	(μg/m ³)		(ppmv)	Chemical
79016	4.60E+05			Trichloroethylene

MORE
Ψ.

ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER		ENTER
Depth			Totals mu	ist add up to value of L	s (cell F24)	Soil		
below grade	Soil gas			Thickness	Thickness	stratum A		User-defined
to bottom	sampling	Average	Thickness	of soil	of soil	SCS		stratum A
of enclosed	depth	soil	of soil	stratum B,	stratum C,	soil type		soil vapor
space floor,	below grade,	temperature,	stratum A,	(Enter value or 0)	(Enter value or 0)	(used to estimate	OR	permeability,
L_F	Ls	T _S	h _A	h _B	h _C	soil vapor		k_{v}
(cm)	(cm)	(°C)	(cm)	(cm)	(cm)	permeability)		(cm ²)
							•	
15	61	20.6	61			SC		

MORE **↓**

ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER
Stratum A	Stratum A	Stratum A	Stratum A	Stratum B	Stratum B	Stratum B	Stratum B	Stratum C	Stratum C	Stratum C	Stratum C
SCS	soil dry	soil total	soil water-filled	SCS	soil dry	soil total	soil water-filled	SCS	soil dry	soil total	soil water-filled
soil type	bulk density,	porosity,	porosity,	soil type	bulk density,	porosity,	porosity,	soil type	bulk density,	porosity,	porosity,
Lookup Soil	ρ_b^A	n ^A	$\theta_{w}^{\;A}$	Lookup Soil	ρ_b^B	n ^B	θ_w^B	Lookup Soil	ρ _b C	n ^C	θ_{w}^{C}
Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)	Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)	Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)

MORE **↓** SC

1.63

ENTER Enclosed	ENTER	ENTER Enclosed	ENTER Enclosed	ENTER	ENTER	ENTER
space	Soil-bldg.	space	space	Enclosed	Floor-wall	Indoor
floor	pressure	floor	floor	space	seam crack	air exchange
thickness,	differential,	length,	width,	height,	width,	rate,
L _{crack}	ΔΡ	L _B	W _B	H _B	W	ER
(cm)	(g/cm-s ²)	(cm)	(cm)	(cm)	(cm)	(1/h)
10	40	5456	3063	488	0.1	1.5

0.197

ENTER
Average vapor
flow rate into bldg.
OR
Leave blank to calculate
Q_{soil}
(L/m)

ENTER **ENTER ENTER ENTER** Averaging Averaging Exposure frequency, EF Exposure duration, time for time for carcinogens, noncarcinogens, AT_C ED AT_{NC} (yrs) (yrs) (yrs) (days/yr) 70 25 25 250

0.385

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D _a	Diffusivity in water, D _w	Henry's law constant at reference temperature, H	Henry's law constant reference temperature, T _R	Enthalpy of vaporization at the normal boiling point, ΔH _{v,b}	Normal boiling point, T _B	Critical temperature,	Molecular weight, MW	Unit risk factor, URF	Reference conc., RfC
(cm ² /s)	(cm ² /s)	(atm-m ³ /mol)	(°C)	(cal/mol)	(°K)	(°K)	(g/mol)	(μg/m ³) ⁻¹	(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)	$\begin{array}{c} \text{Stratum A} \\ \text{soil} \\ \text{air-filled} \\ \text{porosity,} \\ \theta_{\text{a}}^{\text{ A}} \\ \text{(cm}^{3}\text{/cm}^{3}\text{)} \end{array}$	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, $\theta_a^{\ C}$ (cm^3/cm^3)	Stratum A effective total fluid saturation, S _{te} (cm³/cm³)	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. (µg/m³)	Bldg. ventilation rate, Q _{building} (cm³/s)
7.88E+08	46	0.188	ERROR	ERROR	0.299	1.77E-09	0.837	1.49E-09	17,038	4.60E+05	3.40E+06
Area of enclosed space below grade, A _B (cm ²)	Crack- to-total area ratio, η (unitless)	Crack depth below grade, Z _{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H _{TS} (atm-m ³ /mol)	Henry's law constant at ave. soil temperature, H' _{TS} (unitless)	Vapor viscosity at ave. soil temperature, µ _{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D ^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D ^{eff} _B (cm²/s)	Stratum C effective diffusion coefficient, Deff C (cm²/s)	Total overall effective diffusion coefficient, Deff_ (cm²/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, Lp (cm)	Source vapor conc., C _{source} (μg/m ³)	Crack radius, r _{crack} (cm)	Average vapor flow rate into bldg., Q _{soil} (cm³/s)	Crack effective diffusion coefficient, D ^{crack} (cm ² /s)	Area of crack, A _{crack} (cm ²)	Exponent of equivalent foundation Peclet number, exp(Pe¹) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., C _{building} (µg/m³)	Unit risk factor, URF (µg/m³) ⁻¹	Reference conc., RfC (mg/m³)	-
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]

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental	Hazard				
risk from	quotient				
vapor	from vapor				
intrusion to	intrusion to				
indoor air,	indoor air,				
carcinogen	noncarcinogen				
(unitless)	(unitless)				
8.4E-07	2.9E-01				

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

SG-ADV Version 3.1; 02/04

Reset to Defaults

	So	il Gas Concentrati		
ENTER	ENTER		ENTER	
	Soil		Soil	
Chemical	gas		gas	
CAS No.	conc.,	OR	conc.,	
(numbers only,	C_g		C_g	
no dashes)	(μg/m³)		(ppmv)	Chemical
75014	3.40E+02			Vinyl chloride (chloroethene)

MORE

ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER		ENTER
Depth			Totals mu	st add up to value of L	s (cell F24)	Soil		
below grade	Soil gas			Thickness	Thickness	stratum A		User-defined
to bottom	sampling	Average	Thickness	of soil	of soil	SCS		stratum A
of enclosed	depth	soil	of soil	stratum B,	stratum C,	soil type		soil vapor
space floor,	below grade,	temperature,	stratum A,	(Enter value or 0)	(Enter value or 0)	(used to estimate	OR	permeability,
L _F	Ls	T _S	h _A	h _B	h _C	soil vapor		k_{v}
(cm)	(cm)	(°C)	(cm)	(cm)	(cm)	permeability)	<u>-</u>	(cm ²)
							=' -	
15	61	20.6	61			SC		

MORE	l
Ψ	

ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER	ENTER
Stratum A	Stratum A	Stratum A	Stratum A	Stratum B	Stratum B	Stratum B	Stratum B	Stratum C	Stratum C	Stratum C	Stratum C
SCS	soil dry	soil total	soil water-filled	SCS	soil dry	soil total	soil water-filled	SCS	soil dry	soil total	soil water-filled
soil type	bulk density,	porosity,	porosity,	soil type	bulk density,	porosity,	porosity,	soil type	bulk density,	porosity,	porosity,
Lookup Soil	ρ_b^A	n ^A	$\theta_{w}^{\;A}$	Lookup Soil	ρ_b^B	n ^B	θ_w^B	Lookup Soil	ρ _b C	n ^C	θ_{w}^{C}
Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)	Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)	Parameters	(g/cm ³)	(unitless)	(cm ³ /cm ³)

MORE **↓** SC

1.63

ENTER Enclosed	ENTER	ENTER Enclosed	ENTER Enclosed	ENTER	ENTER	ENTER
space	Soil-bldg.	space	space	Enclosed	Floor-wall	Indoor
floor	pressure	floor	floor	space	seam crack	air exchange
thickness,	differential,	length,	width,	height,	width,	rate,
L _{crack}	ΔΡ	L _B	W _B	H _B	W	ER
(cm)	(g/cm-s ²)	(cm)	(cm)	(cm)	(cm)	(1/h)
10	40	5456	3063	488	0.1	1.5

0.197

ENTER
Average vapor
flow rate into bldg.
OR
Leave blank to calculate
Q_{soil}
(L/m)

ENTER	ENTER	ENTER	ENTER
Averaging time for carcinogens,	Averaging time for noncarcinogens,	Exposure duration, ED	Exposure frequency, FF
AT _C (yrs)	AT _{NC} (yrs)	(yrs)	(days/yr)
70	25	25	250

0.385

END

CHEMICAL PROPERTIES SHEET

		Henry's law constant	Henry's law constant	Enthalpy of vaporization at	Normal			Unit	
Diffusivity in air,	Diffusivity in water,	at reference temperature,	reference temperature,	the normal boiling point,	boiling point,	Critical temperature,	Molecular weight,	risk factor,	Reference conc.,
Da	D_w	Н	T_R	$\Delta H_{v,b}$	T _B	T _C	MW	URF	RfC
(cm ² /s)	(cm ² /s)	(atm-m ³ /mol)	(°C)	(cal/mol)	(°K)	(°K)	(g/mol)	(μg/m³) ⁻¹	(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,	Source- building separation, L _T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm³/cm³)	Stratum B soil air-filled porosity, $\theta_a^{\ B}$ (cm ³ /cm ³)	Stratum C soil air-filled porosity, θ_a^C (cm³/cm³)	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. (μg/m³)	Bldg. ventilation rate, Q _{building} (cm ³ /s)
7.88E+08	46	0.188	ERROR	ERROR	0.299	1.77E-09	0.837	1.49E-09	17,038	3.40E+02	3.40E+06
Area of enclosed space below grade, A _B (cm ²)	Crack- to-total area ratio, η (unitless)	Crack depth below grade, Z _{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H _{TS} (atm-m ³ /mol)	Henry's law constant at ave. soil temperature, H' _{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ _{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D ^{eff} (cm ² /s)	Stratum B effective diffusion coefficient, D ^{eff} B (cm ² /s)	Stratum C effective diffusion coefficient, D ^{eff} c (cm ² /s)	Total overall effective diffusion coefficient, D ^{eff} _T (cm ² /s)	Diffusion path length, L _d (cm)
1.70E+07	1.00E-04	15	4,880	2.46E-02	1.02E+00	1.79E-04	2.77E-03	0.00E+00	0.00E+00	2.77E-03	46
Convection path length, L _p (cm)	Source vapor conc., C _{source} (μg/m ³)	Crack radius, r _{crack} (cm)	Average vapor flow rate into bldg., Q _{soil} (cm³/s)	Crack effective diffusion coefficient, D ^{crack} (cm ² /s)	Area of crack, A _{crack} (cm ²)	Exponent of equivalent foundation Peclet number, exp(Pef) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., C _{building} (µg/m³)	Unit risk factor, URF (µg/m³) ⁻¹	Reference conc., RfC (mg/m³)	_
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	Hazard			
risk from	quotient			
vapor	from vapor			
intrusion to	intrusion to			
indoor air,	indoor air,			
carcinogen	noncarcinogen			
(unitless)	(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 <u>Soil Screening Guidance – Technical Background Document</u> (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 sitespecific 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

	Chronic Refe	erence Dose	Cancer Sic	ppe Factor			
PARAMETER	Oral (RfDo) (mg/kg/day)	Inhalation (RfDi) (mg/kg/day)	Oral (SFo) (mg/kg/day)-1	Inhalation (SFi) (mg/kg/day)-1	Weight of Evidence	Source for Chronic RfDs and SFs	
Volatile Organic Compounds (VOCs)							
Tetrachloroethene	6.0E-03	1.1E-02	2.1E-03	9.1E-04	NA	IRIS	
Trichloroethene	5.0E-04	5.7E-04	4.6E-02	1.4E-02	NA	IRIS	
<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	<u>Chronic Re</u> Oral (mg/kg/day)	f <u>erence Dose</u> Inhalation (mg/kg/day)	<u>Cancer Sl</u> Oral (mg/kg/day)-1	ope Factor Inhalation (mg/kg/day)-1	Source for Chronic Rfds and CSFs	Volatile? (a)	Type 1/ Type 3 (mg/L)	Type 2 Stand: Adult Noncarcinogenic	ard (mg/L) Carcinogenic	Type 2 Stand Child Noncarcinogenic	ard (mg/L) Carcinogenic	Type 2 Overall	Overall Residential	Type 4 (I Industrial Noncarcinogenic		Type 4 Overall IW	Overall Nonresidenti IW
Volatile Organic Compounds (VOCs)																	
Tetrachloroethene	6.0E-03	1.1E-02	2.1E-03	9.1E-04	IRIS	V	5.0E-03	7.4E-02	1.5E-01	1.9E-02	2.0E-01	1.9E-02	1.9E-02	9.8E-02	2.6E-01	9.8E-02	9.8E-02
Trichloroethene	5.0E-04	5.7E-04	4.6E-02	1.4E-02	IRIS	v	5.0E-03	4.3E-03	8.5E-03	1.0E-03	1.2E-02	1.0E-03	5.0E-03	5.2E-03	1.5E-02	5.2E-03	5.2E-03
Metals_																	
Lead	ND	ND	ND	ND	IRIS, NCEA		1.5E-02	ND	ND	ND	ND	ND	1.5E-02	ND	ND	ND	1.5E-02
					Equation 2 (Noncarcinoge	ns):			Equation 1 (Carcinog	gens):							
IRIS Integrated Risk Information System					THI x BW x AT	x 365days/year		TR x BW x A	Γ x 365days/year								
NCEA - National Center for Cal EPA - California Environa					C = EF x ED x [(1/RfDi		Do x IRw)]	C = EF x ED x [(SFi x	K x IRa) + (SFo x IRv	v)]							
					Where:			Type 2 Adult	<u>t</u>	Type 2 Parameters Chil	<u>d</u>			Type 4 Industrial Worker	Parameters		
ND Toxicity values not available					THI = Target Hazard Index	(=		1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4	1			1	 		
(a) Compound is not volatile in water.					BW = Body Weight = AT = Averaging Time =				kg years (noncarc.); 70		5 kg				kg years for noncarcir	nogons: 70 vo	are for care
(a) Compound is not volatile in water.					EF = Exposure Frequency	=			days/year		days/year) day/year	nogens, ro ye	ars for care.
					ED = Exposure Duration =			30) years		3 years			25	5 year		
					RfDi = Inhalation Reference				cal Specific	Chemical Spe					nical Specific		
					K = Volatilization Factor =		n3 =		5 L/m3		5 L/m3				5 L/m3		
					IRa = Inhalation Rate for A				m3/day		5 m3/day				m3/day		
					RfDo = Oral Reference Do				cal Specific	Chemical Spe					nical Specific		
					IRw = Ingestion Rate for V	vater =			2 L/day		1 L/day				I L/day		
					TR = Target Risk =			0.00001		0.0000	I			0.00001			
					SFo = Oral Cancer Slope				cal Specific	Chemical Spe					nical Specific		
					SFi = Inhalation Cancer SI	one Factor =		Chemic	cal Specific	Chemical Spe	cific			Chem	nical Specific		

Table 3 Type 1 and Type 3 Soil RRS, mg/kg

<u>PARAMETER</u>	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-B: Residentia Noncarcinogenic (mg/kg) (e)		Risk-Based Soil Type 1 RRS (mg/kg) (g)	Overall Type 1 RRS (mg/kg) (h)	Risk-Ba Nonresident Noncarcinogenic (mg/kg) (e)		Risk-Based Soil Type 3 RRS (mg/kg) (g)	Subsurface Soil Type 3 RRS (mg/kg) (i)	Surface Soil Type 3 RRS (mg/kg) (j)
Volatile Organic Compounds (VOCs) Tetrachloroethene	2645	ND	0.18	0.005	0.5	0.5	141	315	141	0.5	152	410	152	0.5	0.5
Trichloroethene	2450	ND	0.13	0.005	0.5	0.5	6.7	18	7	0.5	7.1	24	7.1	0.5	0.5
<u>Metals</u> Lead	NA	75	400	0.015	1.5	400	ND	ND	ND	75	ND	ND	400	400	400

- (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.

THI x BW x ATn x 365days/year

EF x ED x [(1/RfDi x (1/VF + 1/PEF) x lnhR) + (1/RfDo x lrs x CF)]

TR x BW x ATc x 365days/year

EF x ED x [(SFi x (1/VF + 1/PEF) x lnhR) + (SFo x lrs x 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.
- (j) Minimum concen RL Reporting Limit
- RRS Risk Reduction Standard
- GW Groundwater
- ND Not Determined Can not be calculated

Residential	Nonresidential	
Type 1	Type 3	<u>Unit</u>
1	1	unitless
1.E-05	1.E-05	unitless
70	70	kg
70	70	yrs
30	25	yrs
30	25	yrs
350	250	days/yr
114	50	mg/day
15	20	m³/day
4.63E+09	4.63E+09	m³/kg
1.E-06	1.E-06	kg/mg
Chemical-specific	hemical-specific	m³/kg
	Type 1 1.E-05 70 70 30 30 350 114 15 4.63E+09 1.E-06	Type 1 Type 3 1 1 1.E-05 1.E-05 70 70 70 70 30 25 350 250 114 50 15 20 4.63E+09 4.63E+09

Table 4 Soil to Ground water Leachability

	K _d (L/kg) (1)	K _{oc} (L/kg) (2)	Source	Ø _w	Øa	H' (unitless)	Øw+Øa*H'/Þ _b	Groundwater Type 1/3 RRS (C _w , mg/L)	C _w *1	Pathway Type 1/3 C _s (mg/kg) (3)	Groundwater Type 2 RRS (C _w , mg/L)	C _w *1	Pathway Type 2 C _s (mg/kg) (4)	_
Volatile Organic Compounds (VOCs) Tetrachloroethene Trichloroethene	0.19 0.12	95 61	RSL RSL	0.30 0.30	0.13 0.13	0.72 0.40	0.26 0.23	0.005 0.005	0.005 0.005	0.0023 0.0018	0.019 0.0010	0.019 0.001	0.0086 0.00037	0.0086 0.0018
Metals Lead	900	NA	RSL	0.30	0.13	0	0.20	0.02	0.02	960	ND	NA	NA	960

NA Not Available

ND No Data Available

RSL EPA Regional Screening Level

ATSDR Agency for Toxic Substances and Disease Registry

- 1. Kd values taken from USEPA Regional Screening Table User's Guide.
- 2. Koc values taken from the EPA RSL Chemical-specific Parameters Supporting Table November 2015 unless otherwise noted. $K_d = K_{oc} * f_{oc}$ where f_{oc} equals 0.002.
- 3. Pathway Type 1/3 $C_s = (Kd + Øw + Øa^*H'/Pb) \times Type 1/3 Groundwater RRS.$
- 4. Pathway Type 4 Cs = (Kd + Øw+Øa*H'/Pb) x Type 4 Groundwater RRS.
- 5. Residential leaching value is the higher of the values based on the Type 1 and Type 2 groundwater RRS.
- 6. Non-residential leaching value is the higher of the values based on Type 3 and Type 4 groundwater RRS.
- SS Site-specific leaching value for lead based on leach test results, 1997:
- Ø_w Water-filled soil porosity = 0.3 (L/L)
- $Ø_a$ Air-filled soil porosity = 0.13 (L/L)
- H' Dimensionless Henry Law Constant (HLC x 41) (unitless)
- Þb Dry soil bulk density = 1.5 kg/L
- RRS Risk Reduction Standard
- C_w Target Leachate Concentration (mg/L)
- C_s Screening Level in soil (mg/kg)

Sample	(mg/kg)	Leached Lead (mg/l)
SL-12	4600	0.006
SL-20	390	0.01
SL-31	470	0.008
SL-35	960	0.013

	Volatilization	Residential	Risk-B Resident		Risk-Ba Residentia		Risk-Based Soil	Overall Type 2 RRS	
<u>PARAMETER</u>	Factor (m³/kg)	Leaching DAF=1 (mg/kg)	Noncarcinogenic (mg/kg) (a)	Carcinogenic (mg/kg) (b)	Noncarcinogenic (mg/kg) (a)	Carcinogenic (mg/kg) (b)	Type 2 RRS (mg/kg) (c)	DAF=1 (mg/kg) (d)	
Volatile Organic Compounds (VOCs)									
Tetrachloroethene	2645	0.0086	29	327	107	240	29	0.0086	
Trichloroethene	2450	0.0018	1.4	19	5.0	14	1.4	0.0018	
Metals_									
Lead	NA	960	409	ND	ND	ND	409	409	

Notes: RRS ND	Risk Reduction Standard Not Determined - Can not be calculated
(a)	THI x BW x ATn x 365days/year EF x ED x [(1/RfDi x (1/VF + 1/PEF) x InhR) + (1/RfDo x Irs x CF)]
(b)	TR x BW x ATc x 365days/year EF x ED x [(SFi x (1/VF + 1/PEF) x lnhR) + (SFo x lrs x CF)]
(c) (d)	Minimum of noncarcinogenic and carcinogenic concentrations. Minimum concentration of Leaching Value and Risk-based Value.

The second secon	Residential Child Residential Adult				
Exposure Parameters	<u>Type 2</u>	Type 2			
Total Hazard Index (THI)	1	1			
Target Risk (TR)	1.E-05	1.E-05			
Body Weight (BW)	15	70			
Averaging Time, Carcinogen (ATc)	70	70			
Averaging Time, Noncarcinogen (ATn)	6	30			
Exposure Duration (ED)	6	30			
Exposure Frequency (EF)	350	350			
Soil Ingestion Rate (IRs)	200	100			
Air Inhalation Rate (InhR)	15	20			
Particulate Emission Factor (PEF)	4.63E+09	4.63E+09			
Conversion Factor (CF)	1.E-06	1.E-06			
Volatilization Factor (VF)	Chemical-specific	Chemical-specific			

Table 6 Type 4 Soil RRS, mg/kg Default Industrial Worker

	Volatilization	Nonresidential Leaching	Risk-Ba Industrial \		Risk-Based Soil	Overall IW Type 4 RRS
<u>PARAMETER</u>	Factor (m³/kg)	DAF=1 (mg/kg)	Noncarcinogenic (mg/kg) (a)	Carcinogenic (mg/kg) (b)	IW Type 4 RRS (mg/kg) (c)	DAF=1 (mg/kg) (d)
Volatile Organic Compounds (VOCs)	2045	0.044	450	440	452	0.044
Tetrachloroethene Trichloroethene	2645 2450	0.044 0.0019	152 7.1	410 24	152 7.1	0.044 0.0019
<u>Metals</u> Lead	NA	960	1300	ND	1300	960

Notes:

RRS Risk Reduction Standard DAF **Dilution Attenuation Factor**

THI x BW x ATn x 365days/year

EF x ED x [(1/RfDi x (1/VF + 1/PEF) x InhR) + (1/RfDo x Irs x CF)] (a)

TR x BW x ATc x 365days/year

EF x ED x [(SFi x (1/VF + 1/PEF) x InhR) + (SFo x Irs x CF)] (b)

- Minimum of noncarcinogenic and carcinogenic concentrations. Minimum concentration of Leaching Value and Risk-based Value. (c)
- (d)

g	Industrial Worker					
Exposure Parameters	Type 4	<u>Unit</u>				
Total Hazard Index (THI)	1	unitless				
Target Risk (TR)	1.E-05	unitless				
Body Weight (BW)	70	kg				
Averaging Time, Carcinogen (ATc)	70	yrs				
Averaging Time, Noncarcinogen (ATn)	25	yrs				
Exposure Duration (ED)	25	yrs				
Exposure Frequency (EF)	250	days/yr				
Soil Ingestion Rate (IRs)	50	mg/day				
Air Inhalation Rate (InhR)	20	m3/day				
Particulate Emission Factor (PEF)	4.63E+09	m3/kg				
Conversion Factor (CF)	1.E-06	kg/mg				
Volatilization Factor (VF)	Chemical-specific	m3/kg				

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- m3/mole)	Density (g/cm3)	Dia (cm2/s)	Diw (cm2/s)	Koc (L/kg)	S (mg/L)	Dei (cm²/sec)	K _d (cm³/g)	K _{as} (g/cm ³)	Y (cm²/sec)	VF (m³/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 x V x DH) / (A) *
$$\frac{(3.14 \times Y \times T)^{1/2} (3.14 \times Y \times T)^{1/2}}{(2 \times Dei \times P \times Kas \times 0.001)}$$

$$Y = \frac{\text{Dei x P}}{P + (p(1-P)/\text{Kas})}$$

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
Volatile Organic Compounds (VOCs)					
Tetrachloroethene	0.50	0.0086	0.5	0.5	152
Trichloroethene	0.50	0.0018	0.5	0.5	7.1
Metals Lead	75	409	400	400	1300

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

				Values for
	PRG			Industrial Worker
Exposure	Equation ¹	_		Using Equation 1
Variable		Description of Exposure Variable	Units	GSDi = 2.04
PbB _{fetal, 0.95}	X	95 th percentile PbB in fetus	ug/dL	10
$R_{\text{fetal/maternal}}$	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
$C_{\rm w}$	X	Concentration of lead in ground water (average for site)	ug/L	4
IR_w^2	X	Intake rate of water from on-site ground water	L/day	1
AF_{w}	X	Absolute gastrointestinal absorption fraction for lead in GW		0.2
EF	X	Exposure frequency (same for soil and dust and water)	days/yr	219
AT	X	Averaging Time	days/yr	365
PRG		Preliminary Remediation Goal	ppm	1,300

Note:

Level in groundwater set to background default value.

(a) Assumptions for the Adult Lead Model for EPA were updated in June 2009. Soil ingestion rate and frequency of exposure based on Frequent Questions from Risk Assessors on the ALM (www.epa.gov/superfund/health/contaminants/lead/almfaq.htm).

*Equation based on Georgia Adult Lead Model (November, 1999).

$$\mathbf{PRG} = \frac{[([[PbB_{fetal,0.95}/(R*(GSD_i^{1.645})])-PbB_0) - (C_w*I_w*A_w)] * (IR_S*AF_S)^{-1}}{BKSF*(EF/AT)}$$

Prepared by: LMS 3/13/2013

Checked by: MKB 3/14/13

Sources:

U.S. EPA (1996). Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil. Georgia EPD HSRA: Appendix IV.

LEAD MODEL FOR WINDOWS Version 1.1

Model	Version:	1.1	Build11
-------	----------	-----	---------

User Name: Date: Site Name: Operable Unit: Run Mode: Research

***** Air *****

Indoor Air Pb Concentration: 30.000 percent of outdoor.

Other Air Parameters:

Age	Time Outdoors	Ventilation Rate	Lung Absorptio	Outdoor Air n Pb Conc
	(hours)	(m³/day)	(%)	(µg Pb/m³)
.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

5-6 2.050 6-7 2.220

***** Drinking Water *****

Water Consumption:

Water (L/day)	
0.200	
0.500	
0.520	
0.530	
0.550	
0.580	
0.590	
	0.200 0.500 0.520 0.530 0.550 0.580

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

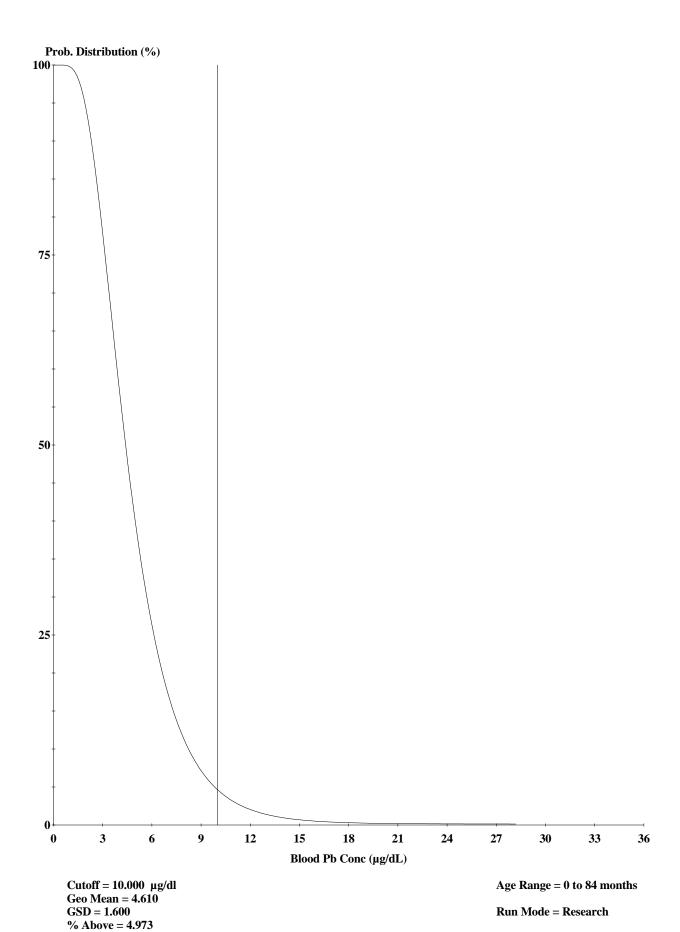
****** Maternal Contribution: Infant Model ******

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



F-2 RISK REDUCTION STANDARD CALCULATION 2012

Table 1 Toxicity Values for Soil and Groundwater Constituents

	Chronic Ref	ference Dose	Cancer Slo	ppe Factor		
PARAMETER	Oral (RfDo) (mg/kg/day)	Inhalation (RfDi) (mg/kg/day)	Oral (SFo) (mg/kg/day)-1	Inhalation (SFi) (mg/kg/day)-1	Weight of Evidence	Source for Chronic RfDs and SFs
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	2.0E+00	1.4E+00	ND	ND	D	IRIS
1,1,2-Trichloroethane	4.0E-03	5.7E-05	5.7E-02	5.6E-02	C	IRIS, PPRTV
,1-Dichloroethane	2.0E-01	ND	5.7E-03	5.6E-03	C	PPRTV, CALEPA
,1-Dichloroethene	5.0E-02	5.7E-02	ND	ND	C	IRIS
,2-Dichlorobenzene	9.0E-02	5.7E-02	ND	ND	D	IRIS, HEAST
,2-Dichloroethane	6.0E-03	2.0E-03 ND	9.1E-02 ND	9.1E-02 ND	B2 D	IRIS, PPRTV ND
,3-Dichlorobenzene ,4-Dichlorobenzene	ND 7.0E-02	2.3E-01	5.4E-03	3.9E-02	NA	IRIS, ATSDR, CALEPI
.4-Dioxane	3.0E-02	8.6E-01	1.0E-01	2.7E-02	B2	IRIS, CALEPA
-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 2.0E-01	5.5E-02 ND	2.7E-02 ND	A NA	IRIS IRIS
Carbon Disulfide Carbon Tetrachloride	1.0E-01 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, ATSDI
is-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
sopropylbenzene	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
oluene	8.0E-02	1.4E+00	ND	ND	D	IRIS
rans-1,2-Dichloroethene	2.0E-02	1.7E-02	ND	ND	NA	IRIS, PPRTV
Crichloroethene	5.0E-04	5.7E-04	4.6E-02	1.4E-02	NA	IRIS
/invl chloride (lifetime)	3.0E-03	2.9E-02	1.5E+00	3.1E-02	A	IRIS
(ylenes, mixture	2.0E-01	2.9E-02	ND	ND	NA	IRIS
V.						
Semi-volatile Organic Compounds						
Acenaphthene	6.0E-02	ND	ND	ND	NA	IRIS
cenaphthylene	ND	ND	ND	ND	D	NA
luoranthene	4.0E-02	ND	ND	ND	D	IRIS
luorene	4.0E-02	ND	ND	ND	D	IRIS
Naphthalene	2.0E-02	8.6E-04	ND	1.2E-01	С	IRIS, CALEPA
Metals			W 10	11022 29		
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

Type 1 through Type 4 Ground Water RRS, mg/L

	Chronic Re	eference Dose Inhalation	Cancer Sle	ope Factor Inhalation	Source for Chronic	Volatile? (a)	Type 1/ Type 3 (mg/L)		Type 2 Standa Adult	rd (mg/L)	Type 2 Standa Child	ard (mg/L)	Type 2 Overall	Overall Residential	Type 4 (r Industrial		Type 4 Overall	Overall Nonresidentia
Parameter	(mg/kg/day)	(mg/kg/day)	(mg/kg/day)-1	(mg/kg/day)-1	Rfds and CSFs				Noncarcinogenic	Carcinogenic	Noncarcinogenic	Carcinogenic			Noncarcinogenic	Carcinogenic	IW	IW
Volatile Organic Compounds (VOCs)																		
,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
,1,2-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-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-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
,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 5.0E-03
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 ND	6.0E-01
3-Dichlorobenzene	ND	ND	ND	ND	ND	v	6.0E-01		ND	ND	ND	ND	ND	6.0E-01	ND	ND		
,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 2.0E-02
4-Dioxane	3.0E-02	8.6E-01	1.0E-01	2.7E-02	IRIS, CALEPA	v	2.0E-02	DL	9.7E-01	4.2E-03	3.7E-01	6.0E-03	4.2E-03	2.0E-02	2.3E+00	7.7E-03	7.7E-03	
-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
cetone	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
enzene	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
arbon 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
arbon Tetrachloride	4.0E-03	2.9E-02	7.0E-02	4.2E-07	IRIS	v	5.0E-03		9.6E-02	1.2E-02	3.1E-02	2.6E-02	1.2E-02	1.2E-02	1.7E-01	4.1E-02	4.1E-02	4.1E-02
Chlorobenzene	2.0E-02	1.4E-02	ND	ND	IRIS, PPRTV	v	1.0E-01		1.1E-01	ND	2.7E-02	ND	2.7E-02	1.0E-01	1.3E-01	ND	1.3E-01	1.3E-01
hloroethane	, ND	2.9E+00	ND	ND	IRIS	v	1.0E-02	DL	2.8E+01	ND	6.0E+00	ND	6.0E+00	6.0E+00	3.0E+01	ND	3.0E+01	3.0E+01
hloroform	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
s-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
yclohexane	ND	1.7E+00	ND	ND	IRIS	v	5.0E-03	DL	1.7E+01	ND	3.5E+00	ND	3.5E+00	3.5E+00	1.7E+01	ND	1.7E+01	1.7E+01
thylbenzene	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
sopropylbenzene	1.0E-01	1.1E-01	ND	ND	ND	v	5.0E-03	DL	8.3E-01	ND	2.0E-01	ND	2.0E-01	2.0E-01	1.0E+00	ND	1.0E+00	1.0E+00
fethylene 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
tyrene	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
etrachloroethene	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
oluene	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
rans-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
richloroethene	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
'inyl 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
Kylenes, 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							1010211031				0.47.01	ND	0.45.01	2.0E+00	6.1E+00	ND	6.1E+00	6.1E+00
cenaphthene	6.0E-02	ND	ND	ND	IRIS	v	2.0E+00		2.2E+00	ND	9.4E-01	ND	9.4E-01	5.0E-03	ND	ND	ND	5.0E-03
cenaphthylene	ND	ND	ND	ND	NA		5.0E-03	DL	ND	ND	ND C2F 01	ND	ND 6 3E 01	1.0E+00	4.1E+00	ND	4.1E+00	4.1E+00
luoranthene	4.0E-02	ND	ND	ND	IRIS		1.0E+00		1.5E+00	ND	6.3E-01	ND	6.3E-01 6.3E-01	1.0E+00 1.0E+00	4.1E+00 4.1E+00	ND	4.1E+00	4.1E+00
luorene Japhthalene	4.0E-02 2.0E-02	ND 8.6E-04	ND ND	ND 1.2E-01	IRIS IRIS, CALEPA	v v	1.0E+00 2.0E-02		1.5E+00 8.3E-03	ND 1.9E-03	6.3E-01 1.8E-03	ND 2.0E-03	1.8E-03	2.0E-02	8.8E-03	2.4E-03	2.4E-03	2.0E-02
letals																		
rsenic	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
arium	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
eryllium	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
admium (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
hromium, 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
ead	ND	ND	ND -	ND	IRIS, NCEA		1.5E-02		ND	ND	ND	ND	ND	1.5E-02	ND	ND	ND	1.5E-02
fercury (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
lickel 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):

Equation 1 (Carcinogens):

TR x BW x AT x 365days/year THI x BW x AT x 365days/year EF x ED x [(SFi x K x IRa) + (SFo x IRw)] EF x ED x [(1/RfDi x K x IRa) + (1/RfDo x IRw)]

Type 2 Adult Type 2 Parameters Chil]d where:
THI = Target Hazard Index =
BW = Body Weight =
AT = Averaging Time =
EF = Exposure Frequency = 70 kg 30 years (noncarc.); 70 (carc 15 kg 350 days/year 350 days/year ED = Exposure Duration =
RfDi = Inhalation Reference Dose =
K = Volatilization Factor = 0.0005 x 1000 L/m3 =
IRa = Inhalation Rate for Air = 30 years Chemical Specific 0.5 L/m3 6 years Chemical Specific 0.5 L/m3 15 m3/day 15 m3/day RfDo = Oral Reference Dose = Chemical Specific Chemical Specific IRw = Ingestion Rate for Water = TR = Target Risk = 1 L/day 2 L/day 0.00001 0.00001 SFo = Oral Cancer Slope Factor = SFi = Inhalation Cancer Slope Factor = Chemical Specific Chemical Specific Chemical Specific Chemical Specific

Type 4 Industrial Worker Parameters

1 70 kg 25 years for noncarcinogens; 70 years for care. 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

							Risk-B		Risk-Based		Risk-B		Risk-Based	Subsurface	Surfac
2.29.222	Volatilization	HSRA Type I	HSRA	Type I	Type 1		Residentia		Soil	Overall	Nonresident		Soil	Soil	Soil
PARAMETER	Factor	Soil Criteria	Appendix I Value	Groundwater RRS	GW RRS x 100	Number 1	Noncarcinogenic	Carcinogenie	Type 1 RRS	Type 1 RRS	Noncarcinogenic	Carcinogenic	Type 3 RRS	Type 3 RRS	Type 3
	(m ³ /kg)	(mg/kg) (a)	(mg/kg) (b)	(mg/L) (e)	(mg/kg)	(mg/kg) (d)	(mg/kg) (e)	(mg/kg) (f)	(mg/kg) (g)	(mg/kg) (h)	(mg/kg) (e)	(mg/kg) (f)	(mg/kg) (g)	(mg/kg) (i)	(mg/kg
olatile Organic Compounds (VOCs)															
,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
,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
.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
.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	7.51
,4-Dioxane	2.11E+04	ND	2.5E-01	2.0E-02	RL 2.0E+00	2.0E+00	1.6E+04	5.6E+02	5.6E+02	2.0E+00	3.7E+04	9.4E+02	9.4E+02	2.0E+00	2.01
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
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
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	5.01
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	4.0I
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	1.01
Chloroethane (Ethyl chloride)	1.05E+03	ND	1.7E-01	1.0E-03	RL 1.0E-01	1.7E-01	1.5E+04	ND	1.5E+04	1.7E-01	1.6E+04	ND	1.6E+04	1.7E-01	1.7
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	7.01
cyclohexane	7.78E+02	ND	2.0E+01	5.0E-03	RL 5.0E-01	2.0E+01	6.4E+03	ND	6.4E+03	2.0E+01	6.8E+03	ND	6.8E+03	2.0E+01	2.01
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	7.01
sopropylbenzene	8.44E+03	ND	2.2E+01	5.0E-03	RL 5.0E-01	2.2E+01	4.2E+03	ND	4.2E+03	2.2E+01	4.6E+03	ND	4.6E+03	2.2E+01	2.21
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	1.41
Tetrachloroethene	2.65E+03	ND	1.8E-01	5.0E-03	5.0E-01	5.0E-01	1.4E+02	3.2E+02	1.4E+02	5.0E-01	1.5E+02	4.1E+02	1.5E+02	5.0E-01	5.0
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	1.01
rans-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	1.0
richloroethene	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	5.0
Kylenes, 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	1.0
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	3.0
Acenaphthylene	NA	ND	1.3E+02	5,0E-03	RL 5.0E-01	1.3E+02	ND	ND	ND	1.3E+02	ND	ND	ND	1.3E+02	1.31
Tuoranthene	NA 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	5.0
luorene	3.93E+05	ND	3.6E+02	1.0E+00	1.0E+02	3.6E+02	2.6E+04 2.6E+04	ND	2.6E+04 2.6E+04	3.6E+02	8.2E+04 8.2E+04	ND	8.2E+04	3.6E+02	3.61
Vaphthalene	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	1.0
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	3.8
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	1.0
Cadmium (Diet)	NA	2.0E+00	3.9E+01	5.0E-03	5.0E-01	3.9E+01	6.4E+02	8.3E+04	6.4E+02	2.0E+00	2.0E+03	1.1E+05	2.0E+03	3.9E+01	3.9
Chromium, total	NA	1.0E+02	1.2E+03	1.0E-01	1.0E+01	1.2E+03	1.9E+03	2.9E+01	2.9E+01	1.0E+02	6.1E+03	1.1E+02	1.1E+02	1.2E+03	1.1
Lead	NA	7.5E+01	4.0E+02	1.5E-02	1.5E+00	4.0E+02	ND	ND	ND	7.5E+01	ND	ND	4.0E+02	4.0E+02	4.0
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	1.7
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	4.2

Notes:

(a) Table 2, Appendix III of HSRA regulations

Appendix 1 of HSRA regulations. Value is the soil concentration that triggers notification requirements.

(b) Appendix 1 of HSRA regulations. For those substances not listed, tryoring limit used as the Type I groundwater RRS.

(d) Value is the highest of the Appendix I value and the groundwater RRS x 100.

THI x BW x ATn x 365days/year

EF x ED x [(1/RfDi x (1/VF + 1/PEF) x InhR) + (1/RfDo x Irs x CF)]

(f) TR x BW x ATe x 365days/year

EF x ED x [(SFi x (1/VF + 1/PEF) x InhR) + (SFo x Irs x CF)]

(a) Minimum of noncurvinguesic and carcinogonic concentrations.
(b) Minimum concentration of Number 1 and Type 1 R8S.
(c) Minimum concentration of Number 1 and Type 1 R8S.
(d) Minimum concentration of Number 1 and H8RA Type 1 Soil Criteria.
(d) Concentration of the risk-based soil Type 3 RRS and the subsurface soil Type 3 RRS.
RRS Risk Reduction Standard
Groundhouter
ND Not Determined - Can not be calculated

Not Determined - Can not be calculated			
	Residential	Nonresidential	
Exposure Parameters	Type 1	Type 3	Unit
Total Hazard Index (THI)	1	1	unitless
Target Risk (TR)	1.E-05	1.E-05	unitless
Body Weight (BW)	70	70	kg
Averaging Time, Carcinogen (ATc)	70	70	yrs
Averaging Time, Noncarcinogen (ATn)	30	25	yrs
Exposure Duration (ED)	30	25	yrs
Exposure Frequency (EF)	350	250	days/yr
Soil Ingestion Rate (IRs)	114	50	mg/day
Air Inhalation Rate (InhR)	15	20	m³/dav
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

olatile Organic Compounds (VOCs) 1,1-Trichloroethane 2-Dichlorobenzene 3-Dichlorobenzene 4-Dichlorobenzene 4-Dichlorobenzene Butanone ectone guzzene autoen dichlorobenzene enzene		8.8E-02 7.7E-01 5.9E-01 7.5E-01 5.3E-03 9.0E-03 4.7E-03 2.9E-01	4.4E+01 3.8E+02 3.0E+02 3.8E+02 2.6E+00 4.5E+00	RSL RSL ATSDR RSL RSL	3.0E-01 3.0E-01 3.0E-01	Øa 1.3E-01 1.3E-01	7.0E-01 7.8E-02	Øw+Øa*H'/Þ _b	(C _w , mg/L)		(mg/kg) (3)	(C _w , mg/L)		(mg/kg) (4)	Criteria (5)	(C _w , mg/L)		(mg/kg)	Criteria (6)
1,1-Trichloroethane 2-Dichlorobenzene 3-Dichlorobenzene 4-Dichlorobenzene 4-Dichlorobenzene Butanone ectone enzene enzene enzene loronionionionionionionionionionionionionio	s)	7.7E-01 5.9E-01 7.5E-01 5.3E-03 9.0E-03 4.7E-03	3.8E+02 3.0E+02 3.8E+02 2.6E+00 4.5E+00	RSL ATSDR RSL	3.0E-01 3.0E-01	1.3E-01		2.6F-01											
2-Dichlorobenzene 3-Dichlorobenzene 4-Dichlorobenzene 4-Dioxane Butanone ectone auzene auton Disulfide hlorobenzene		7.7E-01 5.9E-01 7.5E-01 5.3E-03 9.0E-03 4.7E-03	3.8E+02 3.0E+02 3.8E+02 2.6E+00 4.5E+00	RSL ATSDR RSL	3.0E-01 3.0E-01	1.3E-01		2.6F-01											
3-Dichlorobenzene 4-Dichlorobenzene 4-Dichlorobenzene Butanone cetone curzene arbon Disulfide hlorobenzene		5.9E-01 7.5E-01 5.3E-03 9.0E-03 4.7E-03	3.0E+02 3.8E+02 2.6E+00 4.5E+00	ATSDR RSL	3.0E-01		7.00 02	2.04.01	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
4-Dichlorobenzene 4-Dioxane Butanone cetone enzene arbon Disulfide hlorobenzene		7.5E-01 5.3E-03 9.0E-03 4.7E-03	3.8E+02 2.6E+00 4.5E+00	RSL			7.6E-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
4-Dioxane Butanone cetone enzene arbon Disulfide hlorobenzene		5.3E-03 9.0E-03 4.7E-03	2.6E+00 4.5E+00			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
Butanone cetone enzene arbon Disulfide hlorobenzene		9.0E-03 4.7E-03	4.5E+00	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
cetone enzene arbon Disulfide hlorobenzene		4.7E-03			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
enzene arbon Disulfide hlorobenzene				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
arbon Disulfide hlorobenzene		2.9E-01	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
hlorobenzene			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
		4.3E-02	2.2E+01	RSL	3.0E-01	1.3E-01	5.9E-01	2.5E-01	4.0E+00	4.0E+00	1.2E+00	3.3E-01	3.3E-01	9.7E-02	1.2E+00	1.7E+00	1.7E+00	5.0E-01	1.2E+00
t d		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
hloroethane		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
s-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
yclohexane		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
thylbenzene		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
opropylbenzene		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
lyrene		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
etrachloroethene		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
oluene		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
ans-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
richloroethene		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
ylenes, 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
emi-volatile Organic Compounds																		10.000	
cenaphthene		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
cenaphthylene		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
luoranthene		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
luorene		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
laphthalene		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
letals														1 55 03	2.05.05	1.05.03	1.0E.03	5 (E 02	2.9E-01
rsenic		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	
larium		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
admium		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
Thromium, 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
ead		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
Aercury (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 1.3E+02	1.6E+00
lickel 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

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. $K_d = K_{oe} * f_{oe}$ where f_{oe} equals 0.002.
- 3. Pathway Type 1/3 C_s = (Kd + Øw+Øa*H'/Þb) x Type 1/3 Groundwater RRS.
- 4. Pathway Type 1/S c, = (Kd + Øw+Øa+H/by X Type 1/S Strouthwater KRS.)

 5. Residential leaching value is the higher of the values based on the Type 1 and Type 2 groundwater RRS.

 6. Non-residential leaching value is the higher of the values based on Type 3 and Type 4 groundwater RRS.

SS Site-specific leaching value for lead based on leach test results, 1997:

 $Ø_w$ Water-filled soil porosity = 0.3 (L/L)

 \emptyset_a Air-filled soil porosity = 0.13 (L/L)

H' Dimensionless Henry Law Constant (HLC x 41) (unitless)

Þb Dry soil bulk density = 1.5 kg/L

RRS Risk Reduction Standard

Cw 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

2	Volatilization	Residential	Risk-B Residentia		Risk-B Residentia		Risk-Based Soil	Overall Type 2 RF
PARAMETER	Factor	Leaching DAF=1	Noncarcinogenic	Carcinogenic	Noncarcinogenic	Carcinogenic	Type 2 RRS	DAF=1
TAKAMETER	(m ³ /kg)	(mg/kg)	(mg/kg) (a)	(mg/kg) (b)	(mg/kg) (a)	(mg/kg) (b)	(mg/kg) (c)	(mg/kg) (
Volatile Organic Compounds (VOCs)					- 2		0.07.00	0.25.01
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+0
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+0
Ethylbenzene	7.64E+03	7.8E-01	1.8E+03	9.4E+01	7.3E+03	7.1E+01	7.1E+01	7.8E-0
Isopropylbenzene	8.44E+03	3.3E-01	8.6E+02	ND	3.2E+03	ND	8.6E+02	3.3E-0
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-0
	2.75E+03	2.9E-02	4.7E+01	ND	1.7E+02	ND	4.7E+01	2.9E-02
trans-1,2-Dichloroethene	2.45E+03	1.8E-03	1.4E+00	1.9E+01	5.0E+00	1.4E+01	1.4E+00	1.8E-03
Trichloroethene		9.8E+00	2.3E+02	ND	8.3E+02	ND	2.3E+02	9.8E+0
Xylenes, mixture	7.86E+03	9.8E+00	2.3E+02	ND	8.5ET02	ND	2.5E+02	9.8E10
SVOCS		0.15.01	4.75.02	NID	4.45.04	ND	4.7E+03	2.1E+0
Acenaphthene	1.96E+05	2.1E+01	4.7E+03	ND	4.4E+04	ND	4.7E+03 ND	1.3E-03
Acenaphthylene	NA	1.3E-03	ND	ND	ND	ND		
Fluoranthene	NA	1.1E+02	3.1E+03	ND	2.9E+04	ND	3.1E+03	1.1E+0
Fluorene	3.93E+05	1.9E+01	3.1E+03	ND	2.9E+04	ND	3.1E+03	1.9E+0
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						V 1007 20		
Arsenic	NA	2.9E-01	1.5E+04	6.1E+00	2.2E+02	1.1E+01	6.1E+00	2.9E-0
Barium	NA	1.3E+02	6.6E+05	ND	1.4E+05	ND	1.4E+05	1.3E+0
Cadmium (Diet)	NA	5.9E-01	1.6E+05	8.9E+04	7.3E+02	6.3E+04	7.3E+02	5.9E-0
Chromium, total	NA	1.9E+00	1.1E+05	1.8E+01	2.2E+03	3.3E+01	1.8E+01	1.9E+0
Lead	NA	9.6E+02	4.2E+02	ND	ND	ND	4.2E+02	4.2E+0
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 ND	Risk Reduction Standard Not Determined - Can not be calculated		
(a)	$\frac{\text{THI x BW x ATn x 365days/year}}{\text{EF x ED x }\left[\left(1/\text{RfDi x }\left(1/\text{VF}+1/\text{PEF}\right)\text{x InhR}\right)+\left(1/\text{RfDo x Irs x CF}\right)\right]}$		
(b)	TR x BW x ATc x 365days/year EF x ED x [(SFi x (1/VF + 1/PEF) x InhR) + (SFo x Irs x CF)]		
(c) (d)	Minimum of noncarcinogenic and carcinogenic concentrations. Minimum concentration of Leaching Value and Risk-based Value.	Residential Child	Residential Adult
	E-manuary Parameters	Type 2	Type 2
	Exposure Parameters Total Hazard Index (THI)	1 ype 2	1 1
	Target Risk (TR)	1.E-05	1.E-05
	Body Weight (BW)	15	70
	Averaging Time, Carcinogen (ATc)	70	70
	Averaging Time, Noncarcinogen (ATn)	6	30
	Exposure Duration (ED)	6	30
	Exposure Frequency (EF)	350	350
	Soil Ingestion Rate (IRs)	200	100
	Air Inhalation Rate (InhR)	15	20
	Particulate Emission Factor (PEF)	4.63E+09	4.63E+09
			1 5 00
	Conversion Factor (CF)	1.E-06	1.E-06 Chemical-specific

Table 6 Type 4 Soil RRS, mg/kg Default Industrial Worker

BARAMETER	Volatilization	Nonresidential Leaching	Risk-B Industrial	Worker	Risk-Based Soil	Overall IW Type 4 RF
PARAMETER	Factor (m ³ /kg)	DAF=1 (mg/kg)	Noncarcinogenic	Carcinogenic	IW Type 4 RRS	DAF=1
	(m /kg)	(mg/kg)	(mg/kg) (a)	(mg/kg) (b)	(mg/kg) (c)	(mg/kg) (d)
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	1.55E+03	4.7E+00	1.1E+04	ND	1.1E+04	4.7E+00
1,2-Dichlorobenzene	1.59E+04	5.8E-01	4.5E+03	ND	4.5E+03	5.8E-01
1,3-Dichlorobenzene	NA	4.8E-01	ND	ND	ND	4.8E-01
1,4-Dichlorobenzene	1.42E+03	7.2E-02	1.6E+03	5.3E+00	5.3E+00	7.2E-02
1,4-Dioxane	2.11E+04	4.1E-03	3.7E+04	9.4E+01	9.4E+01	4.1E-03
2-Butanone	7.84E+03	2.4E+00	5.4E+04	ND	5.4E+04	2.4E+00
Acetone	6.72E+03	9.4E+00	2.6E+05	ND	2.6E+05	9.4E+00
Benzene	4.53E+03	4.5E-03	1.9E+02	2.3E+01	2.3E+01	4.5E-03
Carbon Disulfide	8.89E+02	1.2E+00	9.0E+02	ND	9.0E+02	1.2E+00
Chlorobenzene	8.59E+03	9.1E-02	6.1E+02	ND	6.1E+02	9.1E-02
Chloroethane (Ethyl chloride)	1.05E+03	8.4E+00	1.6E+04	ND	1.6E+04	8.4E+00
cis-1,2-Dichloroethene	2.74E+03	6.0E-02	4.1E+03	ND	4.1E+03	6.0E-02
Cyclohexane	7.78E+02	1.8E+01	6.8E+03	ND	6.8E+03	1.8E+01
Ethylbenzene	7.64E+03	7.8E-01	1.1E+04	1.2E+02	1.2E+02	7.8E-01
Isopropylbenzene	8.44E+03	1.7E+00	4.6E+03	ND	4.6E+03	1.7E+00
Styrene	1.27E+04	2.9E+00	1.8E+04	ND	1.8E+04	2.9E+00
Tetrachloroethene	2.65E+03	4.4E-02	1.5E+02	4.1E+02	1.5E+02	4.4E-02
Toluene	5.64E+03	3.6E+00	3.2E+04	ND	3.2E+04	3.6E+00
trans-1,2-Dichloroethene	2.75E+03	4.7E-02	2.4E+02	ND	2.4E+02	4.7E-02
Trichloroethene	2.45E+03	1.9E-03	ND	2.4E+01	2.4E+01	1.9E-03
Xylenes, mixture	7.86E+03	9.8E+00	1.2E+03	ND	1.2E+03	9.8E±00
svocs						
Acenaphthene	1.96E+05	6.3E+01	1.2E+05	ND	1.2E+05	6.3E+01
Acenaphthylene	NA	1.3E-03	ND	ND	ND	1.3E-03
Fluoranthene	NA	4.5E+02	8.2E+04	ND	8.2E+04	4.5E+02
Fluorene	3.93E+05	7.6E+01	8.2E+04	ND	8.2E+04	7.6E+01
Naphthalene	6.43E+04	6.6E-02	2.8E+02	1.3E+01	1.3E+01	6.6E-02
Metals						
Arsenic	NA	2.9E-01	6.1E+02	3.8E+01	3.8E+01	2.9E-01
Barium	NA	8.4E+02	3.6E+05	ND	3.6E+05	8.4E+02
Cadmium (Diet)	NA	3.8E+00	2.0E+03	1.1E+05	2.0E+03	3.8E+00
Chromium, total	NA	1.9E+00	6.1E+03	1.1E+02	1.1E+02	1.9E+00
Lead	NA	9.6E+02	1.3E+03	ND	1.3E+03	9.6E+02
Mercury (Inorganic Salts)	NA	1.6E+00	6.1E+02	ND	6.1E+02	1.6E+00
Nickel Soluble Salts	NA	1.3E+02	3.8E+04	7.3E+05	3.8E+04	1.3E+02

Notes: RRS ND	Risk Reduction Standard Not Determined - Can not be calculated		
(a)	$\frac{THI \times BW \times ATn \times 365 days/year}{EF \times ED \times [(I/RIDi \times (I/VF + I/PEF) \times lnhR) + (I/RIDo \times lrs \times CF)]}$		
(b)	$\frac{TR \times BW \times ATc \times 365 days/year}{EF \times ED \times [(SFi \times (1/VF + 1/PEF) \times InhR) + (SFo \times Irs \times CF)]}$		
(c)	Minimum of noncarcinogenic and carcinogenic concentrations.		
(d)	Minimum concentration of Leaching Value and Risk-based Value.		
		Industrial Worker	
	Exposure Parameters	Type 4	Unit
	Total Hazard Index (THI)	1	unitless
	Target Risk (TR)	1.E-05	unitless
	Body Weight (BW)	70	kg
	Averaging Time, Carcinogen (ATc)	70	yrs
	Averaging Time, Noncarcinogen (ATn)	25	yrs
	Exposure Duration (ED)	25	yrs
	Exposure Frequency (EF)	250	days/yr
	Soil Ingestion Rate (IRs)	50	mg/day
	Air Inhalation Rate (InhR)	20	m3/day
	Particulate Emission Factor (PEF)	4.63E+09	m3/kg
	Conversion Factor (CF)	1.E-06	kg/mg
	Volatilization Factor (VF)	Chemical-specific	m3/kg

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
	mg/kg	mg/kg	mg/kg	mg/kg	mg/Kg
Volatile Organic Compounds (VOCs)					
1,1,1-Trichloroethane	2.0E+01	9.3E-01	2.0E+01	2.0E+01	4.7E+00
1,2-Dichlorobenzene	6.0E+01	5.8E-01	6.0E+01	6.0E+01	5.8E-01
1,3-Dichlorobenzene	6.0E+01	4.8E-01	6.0E+01	6.0E+01	4.8E-01
1,4-Dichlorobenzene	7.5E+00	7.2E-02	7.5E+00	7.5E+00	7.2E-02
1,4-Dioxane	2.0E+00	4.1E-03	2.0E+00	2.0E+00	4.1E-03
2-Butanone	2.0E+02	4.7E-01	2.0E+02	2.0E+02	2.4E+00
Acetone	4.0E+02	1.6E+00	4.0E+02	4.0E+02	9.4E+00
Benzene	5.0E-01	2.8E-03	5.0E-01	5.0E-01	4.5E-03
Carbon Disulfide	4.0E+02	1.2E+00	4.0E+02	4.0E+02	1.2E+00
Chlorobenzene	1.0E+01	6.8E-02	1.0E+01	1.0E+01	9.1E-02
Chloroethane (Ethyl chloride)	1.7E-01	1.7E+00	1.7E-01	1.7E-01	8.4E+00
cis-1,2-Dichloroethene	7.0E+00	2.1E-02	7.0E+00	7.0E+00	6.0E-02
Cyclohexane	2.0E+01	3.6E+00	2.0E+01	2.0E+01	1.8E+01
Ethylbenzene	7.0E+01	7.8E-01	7.0E+01	7.0E+01	7.8E-01
Isopropylbenzene	2.2E+01	3.3E-01	2.2E+01	2.2E+01	1.7E+00
Styrene	1.4E+01	5.6E-01	1.4E+01	1.4E+01	2.9E+00
Tetrachloroethene	5.0E-01	8.6E-03	5.0E-01	5.0E-01	4.4E-02
Toluene	1.0E+02	6.9E-01	1.0E+02	1.0E+02	3.6E+00
trans-1,2-Dichloroethene	1.0E+01	2.9E-02	1.0E+01	1.0E+01	4.7E-02
Trichloroethene	5.0E-01	1.8E-03	5.0E-01	5.0E-01	1.9E-03
Xylenes, mixture	1.0E+03	9.8E+00	1.0E+03	1.0E+03	9.8E+00
SVOCS					
Acenaphthene	3.0E+02	2.1E+01	3.0E+02	3.0E+02	6.3E+01
Acenaphthylene	1.3E+02	1.3E-03	1.3E+02	1.3E+02	1.3E-03
Fluoranthene	5.0E+02	1.1E+02	5.0E+02	5.0E+02	4.5E+02
Fluorene	3.6E+02	1.9E+01	3.6E+02	3.6E+02	7.6E+01
Naphthalene	1.0E+02	6.6E-02	1.0E+02	1.0E+02	6.6E-02
Metals_					
Arsenic	2.0E+01	2.9E-01	3.8E+01	4.1E+01	2.9E-01
Barium	1.0E+03	1.3E+02	1.0E+03	1.0E+03	8.4E+02
Cadmium (Diet)	2.0E+00	5.9E-01	3.9E+01	3.9E+01	3.8E+00
Chromium, total	1.0E+02	1.9E+00	1.1E+02	1.2E+03	1.9E+00
Lead	75.0	415.0	400.0	400.0	960.0
Mercury (Inorganic Salts)	5.0E-01	2.4E-01	1.7E+01	1.7E+01	1.6E+00
Nickel Soluble Salts	5.0E+01	2.0E+01	4.2E+02	4.2E+02	1.3E+02

Table 8

Derivation of VF Factors (Soil-to-Air Volatilization Factor)

Based on Regional Screening Level Chemical-specific Parameters Supporting Table November 2011

Based on Regional Screening Level	Chemical-specific	Turumeters st	pporting rabie									
Analyte	CAS No.	MW	H´ (unitless)	HLC (atm-m²/mole)	Dia (cm²/s)	Diw (cm²/s)	Koc (L/kg)	Dei (cm²/sec)	K _d (cm ³ /g)	K _{as} (g/cm ³)	Y (cm ² /sec)	VF (m³/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)

$$VF = (LS \times V \times DH) / (A) * (2 \times Dei \times P \times Kas \times 0.001)$$

 $Y = \frac{\text{Dei x P}}{P + (p(1-P)/\text{Kas})}$

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 (cm^2/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

				Values for	Values for
Exposure Variable	PRG Equation ¹	Description of Exposure Variable	Units	Industrial Worker Using Equation 1 GSDi = 2.04	Industrial Worker Using Equation 1 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
$C_{\rm w}$	X	Concentration of lead in ground water (average for site)	ug/L	4	4
IR_w^2	X	Intake rate of water from on-site ground water	L/day	1	1
AF_w	X	Absolute gastrointestinal absorption fraction for lead in GW		0.2	0.2
EF	X	Exposure frequency (same for soil and dust and water)	days/yr	219	219
AT	X	Averaging Time	days/yr	365	365
PRG		Preliminary Remediation Goal	ppm	1,300	2,100

Note:

Level in groundwater set to background.

(a) Assumptions for the Adult Lead Model for EPA were updated in June 2009. Soil ingestion rate and frequency of exposure based on Frequent Questions from Risk Assessors on the ALM (www.epa.gov/superfund/health/contaminants/lead/almfaq.htm).

*Equation based on Georgia Adult Lead Model (November, 1999).

$$\mathbf{PRG} = \frac{[([[PbB_{fetal,0.95}/(R*(GSD_i^{1.645})])-PbB_0) - (C_w*I_w*A_w)] * (IR_S*AF_S)^{-1}}{BKSF*(EF/AT)}$$

Prepared by: LWC 3/28/2012

Checked by: LMS 3/30/2012

Sources:

U.S. EPA (1996). Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil. Georgia EPD HSRA: Appendix IV.

LEAD MODEL FOR WINDOWS Version 1.1

Model Version: 1.1 Build11

User Name: Date: Site Name:

Operable Unit: Run Mode: Research

***** Air *****

Indoor Air Pb Concentration: 30.000 percent of outdoor. Other Air Parameters:

or Air onc

****** Diet ******

Age	Diet Intake(µg/day)		
.5-1	2.260		
1-2	1.960		
2-3	2.130		
3-4	2.040		
4-5	1.950		
5-6	2.050		
6-7	2.220		

****** Drinking Water ******

Water Consumption:

Age	Water (L/day)
.5-1	0.200
1-2	0.500
2-3	0.520
3-4	0.530
4-5	0.550
5-6	0.580
6-7	0.590

Drinking Water Concentration: 4.000 µg Pb/L

***** Soil & Dust *****

Multiple Source Analysis Used

Average multiple source concentration: 302.600 µg/g

Mass fraction of outdoor soil to indoor dust conversion factor: 0.700 Outdoor airborne lead to indoor household dust lead concentration: 100.000 Use alternate indoor dust Pb sources? No

Age	Soil (µg Pb/g)	House Dust (µg Pb/g)
.5-1	418.000	302.600
1-2	418.000	302.600
2-3	418.000	302.600
3-4	418.000	302.600
4-5	418.000	302.600
5-6	418.000	302.600
6-7	418.000	302.600

***** Alternate Intake *****

Age	Alternate (µg Pb/day
.5-1	0.000
1-2	0.000
2-3	0.000
3-4	0.000
4-5	0.000
5-6	0.000
6-7	0.000

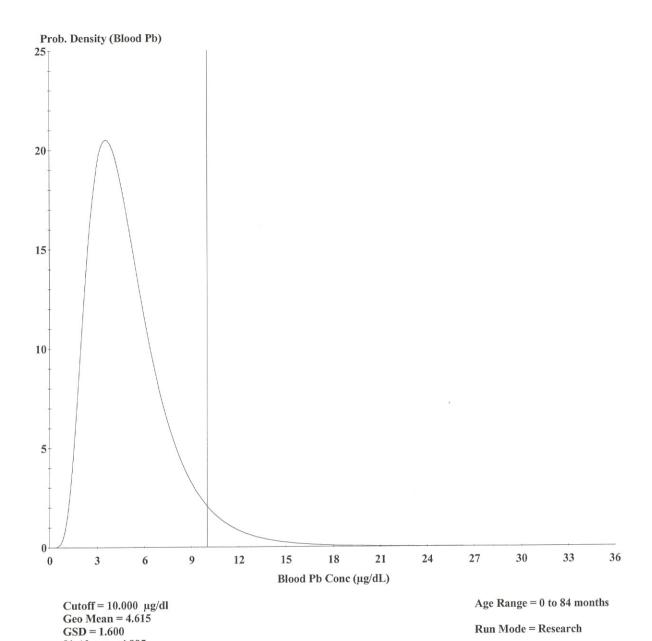
****** Maternal Contribution: Infant Model ******

Maternal Blood Concentration: 1.000 μg Pb/dL

CALCULATED BLOOD LEAD AND LEAD UPTAKES:

Year	Air (µg/day)	Diet (µg/day)	Alternate (µg/day)	Water (µg/day)
.5-1	0.021	1.013	0.000	0.359
1-2	0.034	0.863	0.000	0.880
2-3	0.062	0.953	0.000	0.931
3-4	0.067	0.927	0.000	0.963
4-5	0.067	0.913	0.000	1.030
5-6	0.093	0.971	0.000	1.099
6-7	0.093	1.058	0.000	1.124

Year	Soil+Dust (µg/day)	Total (μg/day)	Blood (µg/dL)
.5-1	8.107	9.500	5.1
1-2	12.637	14.414	5.9
2-3	12.851	14.797	5.5
3-4	13.047	15.004	5.2
4-5	9.962	11.972	4.3
5-6	9.067	11.230	3.6
6-7	8.615	10.891	3.2



% Above = 4.995 % Below = 95.005

Run Mode = Research

APPENDIX G
WASTE MANIFESTS

	—γ—		
12.9-2014 7:42 am	TWDOWN	TAX TOTAL	
7:42 am		EXTENSION	
	14.13	RATE	
01 9431 Michelle J. 12-09-2014 TB-001 Effection 2204058	NET TONS	CHATHAM COUNTY REGION CHATHAM COUNTY REGION	
NDFILL D 912-964-2812 .C	49,980	СНАТНАМ СНАТНАМ СНАТНАМ	
SAVANNAH REGIONAL LA 84 CLIFTON BLV WENYWORTH, GA Onmental Services, LI Ferry RG. SC 29073	GROSS WEIGHT TARE WEIGHT	FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE FUEL RECOVERY FEE	
PORT W 100014 A & D Envir. 1741 Calks Lexington, 331101420787	SCALE IN SCALE OUT		
P 100014 A & D E 1741 Calleringth	017.	1.00 20.00 14.13 1.00	

HIS .

On the coverse side and that he or she has the outbody to start this document or behalf of the cost and understands the terms and guidinars. SIGNATURE THE SECTION

TENDERED CHANGE CHECKS

RS-FOLDURE (p. 112)



2204058

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number N/A	· · · · · · · · · · · · · · · · · · ·	b. Manifest Docui	ment Number		c. Page				
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone: If owner of the generating facility differs from the generator, provide:			e. Generator's Mailing Address: A&D Environmental Servic 4943 Austin Park Avenue Buford, GA 30518 g. Phone:			Ces, LLC			
		, promos							
h. Owner's Name: i. Waste Profile #	Lk Eve Data	1 Masta Chia	i. Owner's Phone No.:	·					
j. Waste Frome #	k. Exp. Date	Description	ping Name and	m. Cont	ainers Type	n. Total Quantity	o. Unit Wt/Vol		
				1.0.	1,700	Quality	440401		
31101420787		Non-Regu	dated Soli	Dur	пр		Tons		
				1					
					e de Palacen				
GENERATOR'S CERTIFICATION: I her state law, has been properly described, waste is a treatment residue of a previou been treated in accordance with the requirement.	classified and pack isly restricted haza	laged, and is in prop Irdous waste subject	Per condition for transportation to the Land Disposal Restrict	on according	to application	cable regulation	A A A A I I I I A A A A A A A A A A A A		
Yaul Gazzo	H.	au Shrola	SASON FOR GONCEN	the	12/9/	v			
p. Generator Authorized Agent Name (P	rint) Vo	. Signature	2-13-13-1-	1	r. Date				
II. TRANSPORTER (Gen	erator complete	es Ila-b and Trai	nsporter completes lic-	-e)			***************************************		
a. Transporter's Name and Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402	TRICK#	1801							
c. Driver Name (Print)	(-/\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	M.C.	How!	e. Date	Vi-	Pizlaly	<i>'</i>		
III. DESTINATION (General			ation Site completes III						
a. Disposal Facility and Site Address:	•	C. US EPA NUR			****				
Savannah Regional Indust 84 CURON BIVO b. Port Wentworth, GA 31407				•					
I hereby certify that the above named ma	aterial has been a	cepted and to the be	est of my knowledge the fore	egoing is tru	e and ac	curate.			
W1.0					17 1	9 1111	***************************************		
e. Name of Authorized Agent (Print)	f. Signa	atula		g. Date	-7	117			
IV. ASBESTOS (Generator			complete (Va-i)	1 3. 55.5			······································		
a. Operator's Name and Address:		1981	c. Responsible Agency Na	me and Add	ress:				
b. Phone:			d. Phone:						
e. Special Handling Instructions and Add	uuonai Information	:							
f. 🗆 Friable 🗀 Non-Friable 🗆 Bot		riable	% Non-Friable		~				
OPERATOR'S CERTIFICATION: I herel and are classifled, packaged, marked ar national governmental regulations.	by declare that the ad labeled/placarde	contents of this consid, and are in all resp	signment are fully and accur pects in proper condition for	rately descrit transport ac	ed above cording	e by the proper to applicable int	shipping nar emational an		
g. Operator's Name and Title (Print)	h. Sigr			i. Date					
*Operator refers to the company which or renovation operation or both	wns, leases, opera	ites, controls, or sup	ervises the facility being der	molished or	enovate	d, or the demoli	tion or		

(0.2.14/11ME 0.01 1.2-9-2014 7:47 am	INBOUND TAX TOTAL	NET AMOUNT TENDERED CHANGE
186 7:47 am	17.61 5,220 IATE EXTENSION	
Sti. 1986 943186 01 943186 With the state of	BN-22 RETINITE PORT NET TONS RETONS CHATHAM COUNTY REGION CHATHAM COUNTY REGION	
AL LANDFILL N BLVD 912-964-2812	es, Li.C WEIGHT 56,7 WEIGHT 21,4 TRUCK TRUCK FEE 5	
SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 912-96	erry Rd. c. 29073 n GROSS n TARE our TARE sw-conT SOIL envIRONMENTAL FUEL RECOVERY	
	100014 A & D Enviro 1741 Calks F 1741 Calks F Lexington, 31101420787 31101420787 31101420787 17.61 EA P 17.61 EA P 17.61 EA P 17.61 TN P 17.61	

The surface and under the first of the first

A CONTRACTOR OF SALE



2204059

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

-	
22	
₩	

i. GENERATOR (Generat	or completes i						
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	1 of	
N/A d. Generator's Name and Location:		<u> </u>	La Canamiada Mailia Ad	4		1	
Rheem Manufacturing Compa	any		e. Generator's Mailing Ad A&D Environmen	aress: Mai Sended	s 110		
139 Brampton Road			4943 Austin Par	k Avenue	.0,		
Savannah, GA 31408			Buford, GA 3051				
f. Phone:			g. Phone:				
If owner of the generating facility differs for	rom the generator	, provide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pping Name and	m. Con	tainers	n. Total	o. Unit
		Description	·····	No.	Type	Quantity	Wt/Vol
1				1			
31101420787		Non-Regu	lizted Soil	Di	mp		
	<u> </u>		1			Т	ons
	ł						
	1						
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	erial is not a hazardous wast	le as define	d by 40 C	FR 261 or any a	colicable
I state law, has been properly described, o	lassified and pack	caced, and is in prop	per condition for transportation	on accordin	n to ennli	cable regulations	· AND if this
waste is a treatment residue of a previou been treated in accordance with the requ	sly restricted haza	rdous waste subject	t to the Land Disposal Restri	ictions. I ce	rtify and v	varrant that the w	vaste has
	#ements of 40 Or	14 200/GHU IS 110 1011	. 4				
TAIL GAZW	į.	Cuy on 1 2 (1	95 Agent for General	toe:	12/9	114	
p. Generator Authorized Agent Name (Pr	int) (a. Signativie			r. Date		
II. TRANSPORTER (Gene	erator complete	es lies and Trai	nsporter completes lic-	-e)			
a. Transporter's Name and Address:							
1027 Bacon Road	0 11	17					
Hinesville, GA 31313	GNV	V					
b. Phone: 912.412.2402	7		_				
V Chass I Not II.	\sqrt{N}	1000	VAL.	1/ 1	0 0	1.1	
JOHN /X HIE		Millin	Xt ()	K-15] - °/	14	
c. Driver Name (Print)	d:∕Sīgi			e. Date			
	tor complete I		ation Site completes III				
a. Disposal Facility and Site Address:		c. US EPA Nun	nber d. Discrepancy Indic	ation Space) :		-
Savannah Regional Industr	iai Landfili		<u></u>				
84 Cliffon Bivd/ Port Wentworth, GA 31407	912.964.2812						
0.							
I hereby certify that the above named ma	terial has been ac	cepted and to the b	est of my knowledge the for	egoing is tr	ue and ac	curate.	
1 1/		11			12	10/119	
e. Name of Authorized Agent (Print)	f. Sign	ature		g. Date	/	6/1/	
IV. ASBESTOS (Generator	completes IVa	a-f and Operator	eomplete IVg-i)		t		
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	quess.		
a. oporator o riamo ano riacioso.			o. Nooponoibio Algority No		G. 000.		
h Change			d. Phone:				
b. Phone: e. Special Handling Instructions and Add	itional Information		u. Filore.			·	
a. apostor riariding mad bosons and Add		••					
			01.01				
f. ☐ Friable ☐ Non-Friable ☐ Bottl OPERATOR'S CERTIFICATION: I hereb		riable	% Non-Friable	mtah dasa	ihad aba	up by the senses	chinning name
and are classified, packaged, marked an	y deciare inai ine d labeled/placam/	Contents of this con ed. and are in all res	spects in proper condition for	r transport s	recording	to applicable inte	emational and
national governmental regulations.	aca.cap.aca.a	,	· · · · · · · · · · · · · · · · · · ·				
				I Data			
g. Operator's Name and Title (Print) *Operator refers to the company which o	h. Sig	nature	nervises the facility helps de	i. Date	renovate	d, or the demolit	ion or
repovation operation or both	***13, 18a363, UPBI	,	partition and receiving being de			,	

				. .		<u></u>		 ,
f T	e e e e e e e e e e e e e e e e e e e	13.86 1.00	13.86	914		Lexington, 31101420787	100014 A & D 1741 C	SHE
# 5 5 6 6 7		TZ C	FΑ	TIN	SCALE SCALE	ngtor 1420'	l4 Call	POR
		SW-CONT SOIL ENVIRONMENTAL FUEL RECOVERY	FEE-HAUL/		E IN	Lexington, SC 29073 31101420787	100014 A & D Environmental 1741 Calks Ferry Rd.	SAVANNAH REG 84 CLIF PORT WENTWORTH, GA
		OIL NTAL FEE 5 VERY FEE	FEE-HAUL/TRANS/TRUCK		GROSS WEIGHT TARE WEIGHT		. Services, LLC	SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD ENTWORTH, GA 912-96
1000 200 1000 1000 1000 1000 1000 1000				DESCRIPTION			LLC	LANDE: SVD 912-
- 합 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		СНАТНАР	CHATHAN	PTION	54,360 26,640			NUFILL D 912-964-2812
Services and the services are services and the services and the services and the services are services and the services and the services and the services are services and the services and the services are services and the services and the services are services and the services are services and the services are services and the services are services and the services are services and the services are services and the services are services and the services are services and the services are services and the services are services are services and the services are services and the services are services and the services are services are services and the services are services are services are services and the services are services are services are services are services are services are services are services are services are services are services are services are services are services are services are services are servi		CHATHAM COUNTY REGION	CHATHAM COUNTY REGION		NET TONS	e e e e e e e e e e e e e e e e e e e	· • • · · · · · ·	
	:	REGION	REGION	:	TONS	PRINCE ADMIN	12-09-2014 VEHICLI BN-702	01 9. vienurasien Michelle
transportant to be the same constitutions				HATE T	13.86 27,720			943188
ru sand constituyin			EXICUSION	EXTENSION			7:55 am 12	Ω
· Ra			IAA	7.00	INBOUND	I	2-9-2014 CONTAINER	CELL
NET AMOUNT. JENDTRED CHANGE			TOTAL		; ;	INVOLCE	7:55 am	
				Į,				

GHECKA



2204060

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

 GENERATOR (Generate 	or completes la	a-r)						
a. Generator's US EPA ID Number N/A	b. Manifest Docur	5 ago 1 or						
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	пу		e. Generator's Mailing Address: AAD Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
f. Phone: If owner of the generating facility differs from	om the generator,	provide:	g. Phone:			-		
h. Owner's Name:	•	• • • • • • • • • • • • • • • • • • • •	i Oursers Phone No.					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	i. Owner's Phone No.: pping Name and	m. Co	ntainers	n. Total	o. Unit	
		Description	-	No.	Туре	Quantity	Wt/Vol	
31101420787		Non-Regu	lated Soll	Di	тр		Tons	
								
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, clawaste is a treatment residue of a previous been treated in accordance with the requirement.	issilled and packa v restricted hazan	igeo, and is in prop dous waste subject	er condition for transportation to the Land Disposal Boots	on according	g to appli	cable regulation		
YAVI GAZZO	ر ا	a Rini	AS AGENT For Gene		12/9/			
p. Generator Authorized Agent Name (Prin		Signature /			r. Date	• /	-	
II. TRANSPORTER (Gener	ator complete:	s Ila-brand Tran	nsporter completes IIc-	e)				
a. Transportation National Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402	BN 702							
X Kevin Bymas	X	K. Bus	^/	K n	19/14	,		
c. Driver Name (Print)	d. Signa			e. Date				
III. DESTINATION (Generate a. Disposal Facility and Site Address:	or complete Illa							
Savannah Regional Industria 84 Cliffon Blod Port Wentworth, GA 31407	Landfii 912.964.2812	c. US EPA Num	d. Discrepancy Indica	ation Space	9 :			
D. (1-1-1-1						·	
I hereby certify that the above named mate	mai nas been acc	epted and to the be	ist of my knowledge the fore	going is tr	ue and ac	curate.		
e. Name of Authorized Agent (Print)	> f. Signat					7/9/1	1	
IV. ASBESTOS (Generator o			complete IVeril	g. Date		- 	<u>/</u>	
a. Operator's Name and Address:	ompietes IV d	Tana Operator	c. Responsible Agency Nat	me and Ad	dress:			
b. Phone;			d. Phone:					
e. Special Handling Instructions and Additi-	onal Information:	L	G. F. HOHO.					
f. Friable Non-Friable Soth	% Fri	able	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the collabeled/placarded	ontents of this cons , and are in all resp	ignment are fully and accura ects in proper condition for	ately descr transport a	ibed abov ecording (e by the proper to applicable in	shipping name ternational and	
g. Operator's Name and Title (Print) *Operator refers to the company which own	h. Signa ns, leases, operate	iture es, controls, or supe	ervises the facility being den	i. Date nolished or	renovate	d, or the demol	tion or	

The material production indicates the control of th	TARE WEIGHT 24, HAUL/TRANS/TRUCK OUSGAINFING OUSGAINFING OUT SOIL OUNMENTAL FEE 5 RECOVERY FEE	GROSS WEIGHT	SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 100014 A & D Environmental Services, LLC Lexington, SC 29073
TENDERED TO THE COMMENT AND THE CONTROL OF THE CONTROL OF THE CHARGE CHECKS	CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION	CONTABIER 2204061 FILL OF LABINA;	"10 1628 17 17 17 17 17 17 17 1



2204061

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I	a-r)							
a. Generator's US EPA ID Number	b. Manifest Docum	nent Number		c. Page	1 of				
N/A			1						
d. Generator's Name and Location:			e. Generator's Mailing Address:						
Rheem Manufacturing Compa	iny		A&D Environmen		i, LLC		ť		
139 Brampton Road Savannah, GA 31408			4943 Austin Park Buford, GA 3051				1		
f. Phone:			g. Phone:	0			į		
If owner of the generating facility differs fr	om the generator	. provide:	*						
or the generaling leading different		, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date		ping Name and	m. Conta		n. Total	o. Unit		
		Description		No.	Туре	Quantity	Wt/Vol		
31101420787		Non-Regu	lated Soil	Dun	no.		•		
37101423707		Workings	1	54"	Ψ	To	ns		
							 		
	į								
				1 1					
							<u> </u>		
				1 1					
	Į								
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	erial is not a hazardous waste	e as defined	by 40 C	FR 261 or any an	plicable		
state law, has been properly described, c	lassified and paci	kaged, and is in prop	per condition for transportation	on according	to applic	able regulations;	AND, if this		
waste is a treatment residue of a previous	sly restricted haza	ardous waste subject	to the Land Disposal Restri	ctions. I ceri	ify and w	varrant that the wa	aste has		
been treated in accordance with the requi	rements of 40 CF	PACES AND IS NO ION	ger a nazardous waste as de	erined by 40	CFR 26	1.			
TAL GAZZO		aulink	AS Byont For Jane	ceastoe	1219	l)Y			
p. Generator Authorized Agent Name (Pri	int\	q. Signature	2230110		r. Date				
<u> </u>			nonortor completes lle	٠	i. Date				
II. TRANSPORTER (Gene	rator complet	es lia-p ello Tra	isporter completes lic-	-e)					
a. Transporter's Name and Address:									
1027 Bacon Road									
Hinesville, GA 31313									
b. Phone: 912.412.2402		. /1							
V /1 1/1/2		F //	£ 5710	V 12	19/1	<i>j</i>			
Marene Littles		Kilolin 1	Addi.		<u> </u>	<u></u>			
c. Driver Name (Print)		nature	<u></u>	e. Date	· · · · ·				
III. DESTINATION (Genera	tor complete I	Illa-c and Destin	ation Site completes Ill	ld-g)					
a. Disposal Facility and Sile Address:		c. US EPA Nur	mber d. Discrepancy Indic	ation Space	:				
Savannah Regional Industr	lal Landfill								
84 CIMON BIVO	i Caneilli								
b. Port Wentworth, GA 31407	912.964.2812	: <i>/</i>	/						
I hereby certify that the above named ma	terial has been a	ccented and to the b	est of my knowledge the for	egoing is tru	e and ac	curate.			
Thereby delity that the desired man					10	1111			
N		1/1	<i></i>	12	17	119			
e. Name of Authorized Agent (Print)	f. Sign	nature		g. Date					
IV. ASBESTOS (Generator	completes IV	a-f and Operator	complete IVg-i)			,			
a. Operator's Name and Address:			c. Responsible Agency Na	me and Add	iress:				
a. Operator s Hame and Address.			c. Hoopenable rigeney Ha						
b. Phone:			d. Phone:						
e. Special Handling Instructions and Add	litional Information	n:							
f. ☐ Friable ☐ Non-Friable ☐ Bott	h %	Friable	% Non-Friable						
OPERATORIC CERTIFICATION: I bosok	u declare that the	contents of this cor	eignment are fully and acqui	rately descri	bed abo	ve by the proper s	hipping name		
and are classified, packaged, marked an	d labeled/placard	led, and are in all res	spects in proper condition for	r transport a	ccording	to applicable inte	mational and		
national governmental regulations.	•								
	T			1					
				i. Date					
g. Operator's Name and Title (Print) *Operator refers to the company which of	I h. Sig	gnature	nervises the facility heirs de	molished or	renovate	ed, or the demoliti	on or		
	wns, leases, ope	1818, 1011111111111111111111111111111111	portions the identy boning de	,					
renovation operation or both									

CE. 35 am	NET AMOUNT	TENDERED	CHANGE	CHECK
DATE THAN OUT 12-9-2014 12-9-2014 1NOUND 1NOUND TOTA TOTA				conditions of the conditions
13199 J. 8:35 am 18.85 37,700 RATE EX		•		And the later when the most real united stands. The terms and conditions
20 NET TONS 37,77 CHATHAM COUNTY REGION CHATHAM COUNTY REGION				At early as to 1 de l'alle des des des des des des des des des de
4-28 21,7				•
Envi	,			
POF (11870) POF (11870) POF (11871) POF (1	g varia services			

The control of the first of the control of the cont



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

	•	è		
7	ľ	t	:	
Ì	H	,	•	

i. GENERATOR (Genera	ator completes la	ı-r)					
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ument Number c. Page 1 of				
d. Generator's Name and Location: Riseem Manufacturing Com 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Melling A A2D Environm 4943 Austin Pa Buferd, GA 305 g. Phone:	ik Avenue	es, LLC		
If owner of the generating facility differs	from the generator, p	provide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		ping Name and		ntainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	dated Soil	D	mp		Tons
GENERATOR'S CERTIFICATION: I he state law, has been properly described, waste is a treatment residue of a previous peen treated in accordance with the reconstruction of the state of the s	classified and packa busly restricted hazard quirements of 40 CFR	ged, and is in prop dous waste subject 1,268 and is no lon	Per condition for transportati	ion according rictions. I conditions to the defined by a condition of the defined by a condition	ng to appli	cable regulation warrant that the 51.	and ABITA if their
p. Generator Authorized Agent Name (I		Signature C		,	r. Date		
II. TRANSPORTER (Ger	nerator completes	s lla/b/and Trai	nsporter completes lic	:-e)			
a. Transportaria Namerand Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	1801	D116 2		IX 12	19/14		
c. Driver Name (Print)	d. Signa	ture		e. Date	1.71.7	*	
III. DESTINATION (General	rator complete Illa	a-c and Destina	ation Site completes I	lld-a)			***
a. Disposal Facility and Site Address: Savannah Regional Indus 84 Ciffon End Port Wentworth, GA 3140 b. I hereby certify that/the above named m	7 912.964.2812	c. US EPA Nun				ou mile	
m			Michigo de 10	ONORTH IS I	/ \	Auraie.	
e. Name of Authorized Agent (Print)	f. Signat		100	1	12		<i>y</i>
IV. ASBESTOS (Generate			complete IV- ii	g. Date			,
a. Operator's Name and Address:	or completes iva-	Tanu Operator	c. Responsible Agency No	ame and A	idress:		
b. Phone:		ļ	d. Phone;				
e. Special Handling Instructions and Ad	Iditional Information:						·
f. ☐ Friable ☐ Non-Friable ☐ Bo	oth % Fri	able	% Non-Friable				
OPERATOR'S CERTIFICATION: I here and are classifled, packaged, marked a national governmental regulations.	eby declare that the country ind labeled/placarded	ontents of this cons , and are in all resp	signment are fully and accu pects in proper condition fo	rately desc r transport	ribed above	ve by the prope to applicable in	r shipping nam temational and
a Operatoria Name and Title (Dutet)		· ·		1.5			
g. Operator's Name and Title (Print) *Operator refers to the company which	h. Signa	iture es controls or sur	ervises the facility being do	i. Date	r renovoto	d or the dema	lition or
renovation operation or both	owns, isassa, operat	oo, windons, or sup	or risos are reward nearly as	rousileu C	011049(6	w we denio	nuOn Ol

CASTOMER 18.07 EA 0.00 YD 31101420787 1741 Calks Ferry Rd. Lexington, SC 29073 A & D Environmental Services, LLC 100014 18.07 1 1 8 8 SCALE IN UNIT 84 CLIFTON BLVD PORT WENTWORTH, GA 9 SW-CONT SOIL FEE-HAUL/TRANS/TRUCK FUEL RECOVERY FEE ENVIRONMENTAL FEE 5 SAVANNAH REGIONAL LANDFILL GROSS WEIGHT TARE WEIGHT 912-964-2812 DESCRIPTION 24,000 60,140 CHATHAM COUNTY REGION CHATHAM COUNTY REGION NET WEIGHT NET TONS 01 943203 WARDINAGREE 220.4063 Michelle J. rend and modern bards, the forms and conditions RATE 36,140 18.07 8:51 am EXTENSION 33 DATECIME OUT INBOUND TAX INVOICE _8:51_am CHANGE NET AMOUNT TENDERED TOTAL

1.23 1.25 1.29

CHECK



2204063

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	ator completes I	la-r)							
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number		c. Page	1 of			
d. Generator's Name and Location: Rheem Manufacturing Com 139 Brampton Road Savannah, GA 31408 f. Phone:	pany	L	e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518						
If owner of the generating facility differs	from the generator	. provide:	g. Phone:						
h. Owner's Name:	gone.u.u	, p. 01.00.							
i. Waste Profile #	k. Exp. Date	I Wasta Shir	i. Owner's Phone No.: pping Name and			·			
,	K. Exp. Date	Description	hbing wame and	m. Cor No.	tainers Type	n. Total Quantity	o. Unit Wt/Vol		
					.,,,,,	quantity	770701		
31101420787		Non-Regu	ulated Soll	וים	mp				
				1			Tons		
	1			- 1		ł			
	-					<u> </u>			
				1					
GENERATOR'S CERTIFICATION: I he state law has been properly described	rehy certify that the	above pamod mate	rial is not a honorday.			<u> </u>			
							waste has		
De al. C	I/	A 408 apres is no ion	ger a nazardous waste a	is defined by 4	0 CFR 26	1.			
YAVL (= 1220	<u></u>	al gast	AS Agual For Go	cucrator)	12/9	114			
p. Generator Authorized Agent Name (P		. Signature	0	7	r. Date	<u> </u>			
II. TRANSPORTER (Gen	erator complete	es Ila-15 afnd Trai	nsporter completes	llc-e)					
a. Transporter's Name and Address: Ban Trucking 1027 Bacon Road									
Hinesville, GA 31313		4	± 32						
b. Phone: 912.412.2402		7	, •						
A Marena Littles	X	Venous	Little	X	ZKII	/			
c. Driver Name (Print)	d. Sign	ature	VIII.	e. Date	- 1 / 11	<u></u>			
III. DESTINATION (General	ator complete III	la-c and Destina	ation Site completes	illd-g)					
a. Disposal Facility and Site Address:		c. US EPA Num	nber d. Discrepancy Inc	dication Space	:				
Savannah Regional Indust	dai Landiii								
84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812		•						
hereby certify that the above named ma	,	contact and to the bu	not of my translation the			· - · · · · · · · · · · · · · · · · · ·			
0000	aterial has been ac	Lepted and to the Di	est of my knowledge the	toregoing is tru	e and ac	curate.			
		V			1	IFILL	1		
e. Name of Authorized Agent (Print)	f. Signa			g. Date	1				
IV. ASBESTOS (Generator	completes IVa	-t and Operator							
a. Operator's Name and Address:		ł	c. Responsible Agency	Name and Add	fress:				
b. Phone:									
e. Special Handling Instructions and Add	litional Information:	··	d. Phone:						
, and add the first									
f. Friable Non-Friable Bot	h 0/ F	riable	W Non Estate						
OPERATOR'S CERTIFICATION: I hereb	ov declare that the o	contents of this cons	% Non-Friable	ruralely descri	hed ahou	e by the aronar	r chinning non		
ano are ciassilleo, packageo, markeo an	d labeled/placarded	d, and are in all resp	pects in proper condition	for transport a	ccording (o applicable int	ternational an		
national governmental regulations.									
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date					
*Operator refers to the company which or renovation operation or both	wns, leases, operat	tes, controls, or sup	ervises the facility being	demolished or	renovate	d, or the demoli	ition or		

SITE SITE TICKET .

01 943209
WEIGHMASTER SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 Postanier. Michelle J. DATE/TIME OUT 100014 12-09-2014 VEHICLE 12-9-2014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. BN-22 REFERENCE Lexington, SC 29073 31101420787 SCALE IN GROSS WEIGHT 64,100 NET TONS SCALE OUT TARE WEIGHT 21,480 42,620 DESCRIPTION INBOUND EXTENSION 21.31 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 20.00 YD 21.31 TN SW-CONT SOIL CHATHAM COUNTY REGION 1.00 ENVIRONMENTAL FEE 5 1.00 FUEL RECOVERY FEE

In all and a substitution discipling the storment or behalf of Customer Renowledges that he or sho has
a clarification expected to that he in the habiting uthority to eight this document or behalf of the obstomer.

TEHDERED

CHANGE



2204065

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	a 1 of	
N/A					U Cg.	1	
d. Generator's Name and Location: Rheem Manufacturing Compi 139 Brampton Road	any		e. Generator's Malling A&D Enviror 4943 Austin	Address: nmental Servic Park Avenue	es, LLC		
Savannah, GA 31408 f. Phone:			Buford, GA				
If owner of the generating facility differs for	om the generator	nrovide:	g. Phone:				
	om mo gamerator	, provide.					
h. Owner's Name: i. Waste Profile #	1. 5. 5.	1/11/	i. Owner's Phone No.:				
j. Waste Flome #	k. Exp. Date	Description	ping Name and	M. Co No.	ntainers	n. Total	o. Unit
		Joseph		140.	Туре	Quantity	Wt/Vol
31101420787			4-A-4 m				
31101420707		Non-Regu	lated Soll	ם ו	ղան		Tons
				- 	 	 	1088
				1	Ì		
						1	
			· · · · · · · · · · · · · · · · · · ·		 	 	
				Ī	ł		
[1		İ	1	1	
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous v	vaste as define	ed by 40 C	EP 261 or 201	applicable
i state iam, has been biobeny described, ci	assilied and back	anen ann is in ama	Of condition for transpass	dolion coccedi.	11	L	
waste is a treatment residue of a previous been treated in accordance with the requi	av resincien naza	MOUIS WASTO SIINIOM	In the Land Disposal D	aateistiama 1 a.			waste has
1: / 1 /	1.1	1 1/ 1				· · · · · · · · · · · · · · · · · · ·	
YAVI GAZZO		rai gypo!	AS Agent for ben	cantoe	1219.	1) V	
p. Generator Authorized Agent Name (Pri	nt) f q	. Signature		<u> </u>	r. Date		
II. TRANSPORTER (Gene	rator complete	es Ila-b' and Tran	sporter completes	llc-e)			
a. Transporter's Name and Address:							
1027 Bacon Road			12-7				
Hinesville, GA 31313			- C-				
b. Phone: 912.412.2402	15.2	_	CHI				
IN Sharen LHKS	X 5	Mario 1	XSLIT .	1 10	K // V	<i>;</i>	
c. Driver Name (Print)	d. Sign			e. Date			
III. DESTINATION (General	or complete II	la-c and Destina	ation Site completes	s (lld-a)			
a. Disposal Facility and Site Address:	· · · · · · · · · · · · · · · · · · ·	c. US EPA Num			e:		
Savannah Regional Industri	ai Landilli						
84 Cilton Blvg)						
b. Port Werriwo(th, GA 31407	912.954.2812						
I hereby certify that the above named mat	erial has been ac	cepted and to the be	est of my knowledge the	foregoing is tr	ue and ac	curate.	
1 Miller	_	1.					,
e. Name of Authorized Agent (Print)	f. Signa	ture		g. Date	12	189/10	7
IV. ASBESTOS (Generator			complete IVa il	y. Date		<u> </u>	·
a. Operator's Name and Address:		Tuna Operator		None and A			
			c. Responsible Agency	Name and Ad	iaress:		
b. Phone:		1	d. Phone:				
e. Special Handling Instructions and Addit	ional Information:		d. Phone.				
f. ☐ Friable ☐ Non-Friable ☐ Both	n/ ==	dalah .	0/ 1/ 5/				
OPERATOR'S CERTIFICATION: I hereby	declare that the	riable	% Non-Friable	nourololu dos-	ribad she	10 hu th	ablas!
and are classified, packaged, marked and	labeled/placarde	d, and are in all reso	ects in proper condition	for transport :	noea spo/	re by the proper to applicable in	r snipping name temational and
national governmental regulations.			F - F				
	1						
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date			
*Operator refers to the company which ow	ns, leases, opera	tes, controls, or sup	ervises the facility being	demolished of	r renovate	d, or the demol	ition or
renovation operation or both	•	, a					

Lexi	014 D Envi Calks	WENTWOF ironment Ferry SC 29	84 CLIFT RTH, GA al Servi Rd.	ONAL LAN CON BLVD 9	12-964-2812		(SITE TIC. 01 WEIGHLIASTE MI Chell DATE TIME IN 12-09-2 VEHICLE BN-702 REFERENCE 2204064 BILL OF LADII	943204 R.e. J. 014 8:5		TIME OUT = 2014 8 INER	3:54_am
277,	SCALE SCALE			WEIGHT WEIGHT	58,960 26,640		TONS VEIGHT	16.16 32,320	II	NBOUND	
20.00 16.16	YD TN	SW-CONT		TRUCK	CHATHAM		REGION REGION	HATE	EXTENSION	TAX !	TOTAL
1.00			MENTAL F COVERY F			_				:	
										:	:
	*	* *** · · · · · · · · · · · · · · · · ·	· - · · · · · · · · · ·		te - and manage a management of a consequence of						JET AUGUNT
											TENDEREC

CHANGE

CHECKA

The inderspines individual signifigative document or identified Costomer authorities that the or she has regard understands the terms and conditions of the revolve ride and that he or she has regard understands the terms and conditions.

-3.5-2.3--



2204064

If waste is asbestos waste, complete Sections I, II. III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Gene	rator completes						
a. Generators US EPA ID Number N/A		b. Manifest Docum	ment Number		c. Page		
d. Generator's Name and Location: Rheem Manufacturing Co. 139 Brampton Road Savannah, GA 31408 f. Phone: If owner of the generating facility differ		- crouida:	e. Generator's Mailing Address: A&D Eminumental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:				
h. Owner's Name:	guille,	, provide.	Discount Discount				
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	i. Owner's Phone No pping Name and	m. Cor	ontainers	n. Total	o. Unit
31101420787		Non-Regul	dated Soil	No.	Туре	Quantity	WiVol
							I cus
GENERATOR'S CERTIFICATION: I he state law, has been properly described waste is a treatment residue of a previous been treated in accordance with the recommendation of the state of the st	iously restricted hazard equirements of 40 CFR		to the Land Disposal Figer a hazardous waste	OLUBUUL MEETING	ortify and w 10 CFR 261	cable regulation varrant that the	applicable is; AND, if this waste has
p. Generator Authorized Agent Name (I	Print) Tq.	. Signature			12/9/i	<u>/</u>	
a. Transportation Name and Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402	lerator completes		Sporter completes	NIC-e)			
c. Driver Name (Print)	d. Signat	atira Dy	\sim		12/5/	1,4	
III. DESTINATION (Gener	rator complete Illa	a-c and Destina	tion Site complete	e. Date			
a. Disposal I domly and Site Address:		c. US EPA Numi	ber o. Discrepancy li	indication Space	<u>. </u>		
Savarnah Regional Indust 84 Cliffor Bivd Port Wentworth, GA 31407 b. I hereby certify that the above named m	912.964.2812						
Miles		1 1 1	I OI MY KNOWIEGGE LIE	foregoing is true	e and acc		
e. Name of Authorized Agent (Print)	f. Signatu	ure V		g. Date	12	19/1	1
IV. ASBESTOS (Generate	r completes IVa-f	i and Operator c	complete IVg-i)	7 3. 22.0		4-/-	/
a. Operator's Name and Address: b. Phone:		C	c. Responsible Agency	Name and Add	ress:		
e. Special Handling Instructions and Add	ditional Information:		d. Phone:		··		
f. ☐ Friable ☐ Non-Friable ☐ Bott	th % Friat		% Non-Friable	a match daggil	- A shave		
and are classified, packaged, marked an national governmental regulations.	d labeled/placarded, a	and are in all resper	cts in proper condition	for transport acr	cording to	by the proper s applicable inte	hipping name mational and

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REV 01/14

DESTINATION RETURN

RS-F11A

9:24.am	INVOICE		TOTAL	TENDERED
Catalorial out		INBOUND	TAX	
citi			EXTENSION	
215		19.04	ВАТЕ	
3 4 0	2204066	NET TONS NET WEIGHT	CHATHAM COUNTY REGION	•
		NET	M COUNT	
NDFILL 0 912-964-2812 LC		59,800 21;720	CHATHAI	
GIONAL LAND FTON BLVD A 91		GROSS WEIGHT TARE WEIGHT		
SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 912-96 PORT WENTWORTH, GA	A & D Environmental String 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787		HAUL/1 HAUL/1 ONT SC RONMER RECOV	
SI PORT WEN	A & D Environ 1741 Calks Fe Lexington, SC 31101420787	SCALE IN	TN SW FUND SW FOR FOR FOR FOR FOR FOR FOR FOR FOR FOR	
ott pistomit 100014	A & D 1741 C Lexing 311014		19.04 20.00 19.04 1.00 1.00	•

the authosyment advanced the document on behalf of but educe acknowledge that he or she has read and order than the forms on his recommendation of a continuous set and that the residual to sign this meaning and has recombinate. Secretary Hell

CHANGE



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 (Generate	or completes la	n-r)	in the second se						
a. Generator's US EPA ID Number N/A		b. Manifest Docum	nent Number		c. Page	1 of 1			
d. Generator's Name and Location: Ricem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone: If owner of the generating facility differs fr		provide:	e. Generator's Mailing Address: ALD Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:						
h. Owner's Name:		:	i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and	m. Cor		n. Total	o. Unit		
31101420787		Non-Regul		No.	Type mp	Quantity	Wt/Vol		
			1				Tohs		
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl. waste is a treatment residue of a previous been treated in accordance with the requirements.	lv restricted hazarr	yeu, and is in propi foue weets cubiest	to the Lend Dispersi Best	on according	g to applic	able regulation			
FAVE GAZZO	I fo	wand !	As Agent For Gener		12/9	liy			
p. Generator Authorized Agent Name (Prin		Signature			r. Date				
II. TRANSPORTER (Gener	rator completes	s Ilá-6 and Tran	sporter completes lic	-e)					
a. Transporter Name and Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402		7	TB-01						
c. Driver Name (Print)	d. Signal	hire		X 11	9/14				
III. DESTINATION (Generate			tion Site completes II	Id-al					
a. Disposal Facility and Site Addrese:	<u> </u>	c. US EPA Num			,•				
Savannah Regional Industria 84 Clifton Biv d Port Wentworth, GA 31407	912.964.2812			•					
I hereby certify that the above named make	erial has been acce	epted and to the be	st of my knowledge the for	egoing is tru	e and ac	curate.			
e. Name of Authorized Agent (Print)	f. Signati	ure <u>M</u>		g. Date	12/9	114			
IV. ASBESTOS (Generator			complete (Va-i)	y. Date					
a. Operator's Name and Address:			c. Responsible Agency Na	ame and Add	iress:				
b. Phone:		ĺ							
e. Special Handling Instructions and Additi	onal Information:	· · · · · · · · · · · · · · · · · · ·	d. Phone:	·	-				
f. ☐ Friable ☐ Non-Friable ☐ Both	% Frie	able	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the co	intents of this consi	coment are fully and accur	rately descri transport ac	bed above cording to	by the proper applicable int	shipping name emational and		
g. Operator's Name and Title (Print)	h. Signat	ture		i. Date					
*Operator refers to the company which own renovation operation or both	is, leases, operate	s, controls, or supe	rvises the facility being de	molished or	renovated	, or the demoli	tion or		

CLIFTON BLVD GA 912-964-2812 Services, LLC ARE WEIGHT 65,220 ARE WEIGHT 26,640 ARE WEIGHT CHATHAM COUNTY RE CHATHAM COUNTY RE CHATHAM COUNTY RE CHATHAM COUNTY RE	BLVD	SAVANNAH	REGIONAL LANDETTI	9			
Control Cont	TAY I COMPANDED TO THE TONE TONE TONE TONE TONE TONE TONE TON	84 C	LIFTON BLV	Michell	73		
TARE WEIGHT 65, 220 NET TONS 19, 19, 19 TARE WEIGHT 26, 640 NET WEIGHT 88, 1900 IIII AUTHOR CHATHAM COUNTY REGION EL RETOVERY FEE EL RETOVERY FEE	EE IN GROES WEIGHT 65,220 NET TONS 12,240 III ANT. CHATHAM COUNTY REGION FEE-HAUL/TRABS/TRUCK CHATHAM COUNTY REGION TWA COUNT SOIL FUEL RETUVERY PEE; FUEL RETUVERY PEE; FUEL RETUVERY PEE; State and had be or the face trad and understands the town and conditions State and had be or the three trade and conditions State and had be or the three trade and conditions State and had be or the three trade and conditions CHATHAM COUNTY REGION TAKE THE BEST OVERY PEE; FUEL RETUVERY PEE; STATE AND THE STATE AND T	Environmental Salks Ferry Rd.	dervices, LLC	(25-09-2) (15-09-2) (180-702-		To an one	une service.
TARE WEIGHT 65,220 NET TONS TARE WEIGHT 26,640 NET WEIGHT 84,540 HP HALL/TRANS/TRUCK CHATHAM COUNTY REGION WIT BOIL. CHATHAM COUNTY REGION RECOVERY FEE 5. CHATHAM COUNTY REGION	FEE-HAID, TRAMS TRACK TARE WEIGHT 26, 640 NET TONS 19, 19 TRACK WEIGHT 26, 640 NET TONS 19, 19 TRACK WEIGHT 26, 640 NET TONS 19, 19 TRACK WEIGHT 100 TRACK WEIGHT 1	20787		22404008		111	WOLCE
FEE-HAUL/TRABS/TRUCK CHATHAM COUNTY REGION SW-COUT SOIL FUEL RECOVERY FEE FUEL RECOVERY FEE	FEE-HAUL/TRANS/TRUCK TW-CUIT SOIL FIVE RECION FIVE REC		T T DESCI	NET TONS NET WEIGHT	05, 24 08, 580	I Eller of Hills	
	red authoritiest depoint that decreasest on become of Trobumer acknowledge, that has or she has read and understands the terms and conditions.		×	COUNTY REGION			Toral
	SIGHATORE SIGHATORE	Thest andividual suponing has, a see side and that he on storage has	bettiment on batinit of Customer achievation in	50 to 60 to			нини
the contract of Circlemen addances and the trace of the contract of the contra	X 1.20 1		and the state of the state of the state of the state of the	The customer / The	tands the terms and condition	9	CHARGI
red univodual separation decreases on become of tradement achievenings, that he or she has read and understands the terms and conditions while and that he or she has the nationally to says the absorbed or factor of of the cashener.			Siction	~	1 / C	-	CHICKE



2204068

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	1 of	
		<u> </u>			1)
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	iny		e. Generator's Maili A&D Envis	ing Address:	es II.C		
Savannah, GA 31408			4943 Aust	in Park Avenue	, LL		
f. Phone:			Buford, G/ g. Phone:	A 30518			
If owner of the generating facility differs from	om the generator,	provide:	g. r none.				
h. Owner's Name:							
j. Waste Profile #	k. Exp. Date	I. Waste Shir	i. Owner's Phone No pping Name and		-1	T	
		Description		No.	ntainers Type	n. Total Quantity	o. Unit Wt/Val
					1,750	doantity	446.401
31101420787		Non-Regu	ilated Soli	ם ا	цтр		- 1
				1	T" -		Tons
		İ		1	l	Ì	
					1		
							-
		1			İ		1
GENERATOR'S CERTIFICATION: I heret	ov certify that the	shoup somed make	-1-11-				
GENERATOR'S CERTIFICATION: I heret state law, has been properly described, cla waste is a treatment residue of a previousl	issified and packa	above named mate aged, and is in prop	inal is not a hazardous er condition for transp	waste as define	d by 40 C	FR 261 or any	applicable
waste is a treatment residue of a previousl been treated in accordance with the require	y restricted hazan	dous waste subject	to the Land Disposal I	Restrictions. I ce	rtify and w	able regulation Ærrant that the	ns; AND, if this waste has
11	ements of 40 CFT	268 and is no long	ger a hazardous waste	as defined by 4	0 CFR 26	1.	
YAUL GAZZO	Ya	WENDLI	45 Agent For G	CNURATOR	12/9	114	
p. Generator Authorized Agent Name (Prin		Signature	V		r. Date	-	
II. TRANSPORTER (Gener	ator completes	s IIA-6 and Tran	sporter completes	s IIc-e)			
a. Transportacie Namenand Address:							
Hinesville, GA 31313	0	10.0					
b. Phone; 912.412.2402	BN 7	UL				•	
1/ 1/ 2	157	12 17		- , , - ,			
A BOWN BYINTS	$ \wedge$ $/$	Dun	~/	X	2/9/14		
c. Driver Name (Print) III. DESTINATION (Generate	d. Signa	iture /		e. Date			
(Outloidic	or complete Illa						
a. Disposal Facility and Site Address:	1	c. US EPA Num	ber d. Discrepancy	Indication Space	3:		·
Savarinah Regional Industrial 84/Cilhon Blvd	Landill						
b. Port Wentworth, GA 31407	912.964.2812	1	!				
I hereby certify that the above named mate	rial has been acco	ented and to the he	et of my knowledge th	- fo			
1/1/		spice and to the be	st of my knowledge th	e loregoing is th	re and acc	curate.	
e. Name of Authorized Agent (Print)	4.85		\times		219	1/11	
IV. ASBESTOS GÉNERATOR O	f Signati	f and Oncretiff		g. Date	:/		
a. Operator's Name and Address:	Ompletes Iva-						
operate o Name and Address.			c. Responsible Agenc	y Name and Ad	dress:		
		1					
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addition	nal Information:		d. Flidie.				· · · · · · · · · · · · · · · · · · ·
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fria	able	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby of	eclare that the co	sateste of this sensi	company and falls and	Ccurately descri	had shows	by the preser	chinning
and are classified, packaged, marked and la national governmental regulations.	abeled/placarded,	and are in all resp	ects in proper condition	n for transport a	ccording to	applicable into	emational and
							···
g. Operator's Name and Title (Print) *Operator refers to the company which care	h. Signat	lure		i. Date			
*Operator refers to the company which own renovation operation or both	s, leases, operate	is, controls, or supe	rvises the facility being	g demolished or	renovated.	, or the demolit	lion or

**	0.00 YD 18.65 TN 1.00	18.65 EA	! :	A & D Envir 1741 Calks Lexington, 31101420787	EUSTONET PC
	SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FOR	77 7 L L L L L L L L L L L L L L L L L	SCALE IN GROSS WEIGHT SCALE OUT TARE WEIGHT	A 6 D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787	SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-96.
	CHATHAM COUNTY REGION	DESCRIPTION NET WEIGHT	61,300 NET TONS		DFILL 12-964-2812
	RATE EXT	37,300	18.65	12-09-2014 9:47 am 12-09-2014 9:47 am 18-12-12-12-12-12-12-12-12-12-12-12-12-12-	sii псыт. 01 94 <u>3</u> 223 wганийsтый
	EXTENSION TAX TOTAL	INDOUND	TANYOLCE	DATE/INE OUT 12-9-2014 9:47 am CONTAINEN	CELL
7 - 4					4

3116

CHECK! TRUEBE: Parvice



2204067

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\hbox{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generation	ator completes la	-r)					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	1 of	
N/A			·		J age	1	
d. Generator's Name and Location: Rheem Manufacturing Com	תחמת		e. Generator's Mailing	g Address:		•	
139 Brampton Road	thany		A&D Enviro	nmental Service	es, LLC		
Savannah, GA 31408			Buford, GA	Park Avenue			
f. Phone: If owner of the generating facility differs			g. Phone:				
	s irom the generator, p	rovide:					
h. Owner's Name:			i. Owner's Phone No.	:			
j. Waste Profile #	k. Exp. Date	I. Waste Ship	oping Name and		ntainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
				1	l		1
31101420787		Non-Regu	lated Soli	<u>ام</u>	тр		
				1			Tons .
				ĺ	ĺ	ļ	
			·				
		ł					
	1	-			ļ		1
GENERATOR'S CERTIFICATION I L							
GENERATOR'S CERTIFICATION: I he state law, has been properly described							
state law, has been properly described, waste is a treatment residue of a previous been treated in accordance with the red							ns; AND, if this
been treated in accordance with the req	uirements of 40 CFR	268 and is no lon	ger a hazardous waste	as defined by 4	0 CFR 26	ramant that the 1.	waste nas
YAV. (=A220	1.7	- [· 1 _				
p. Generator Authorized Agent Name (F	Print)	Signatur	AS Agant For ba	nexage)	12/9/1	<u>Y</u>	
II. TRANSPORTER (Gen		Holb bod Tron	anada, a		r. Date		
a. Transporter's Name and Address:	iciator completes	iia-u aliu 11ai	isporter completes	IIC-e)			
1027 Bacon Road		_					
Hinesville, GA 31313		2					
b. Phone: 912.412.2402							
V a	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		T	127		···	
1. Jarena LHES	A Use	eighte of	ettler	1/2/12/4	114		
c. Driver Name (Print)	/ d. Signati			e. Date			
III. DESTINATION (Gener	ator complete Illa-	-c and Destina	ition Site complete	s lild-g)			
a. Disposal Facility and Site Address:		c. US EPA Num) :		
Savannah Regional Indust	idai Landilli) .			
84 Clifton Blvd			{				
b. Port Wentworth, GA 31/407							
I hereby certify that the above named m	aterial has been acce	pted and to the be	est of my knowledge the	foregoing is to	ue and ac	curate.	
	<u> </u>	i.	$M \rightarrow X$		15	10, 11	U
e. Name of Authorized Agent (Print)	f. Signatu	<i>V</i>		g. Date	12	·/ ·/ //	7
IV. ASBESTOS (Generato			complete (Va-i)	1 H. Date		(<u></u>
a. Operator's Name and Address:			c. Responsible Agency	Nome and 4 d	deser		
e riame and nadiood.			o vestourine Agency	risane and Ad	uress:		
b. Phone:			d Dhann				
e. Special Handling Instructions and Add	ditional Information		d. Phone:				
remember management and Man							
4D 53-11- D 11 200							
f. Friable Non-Friable Bot	th % Frial	ble	% Non-Friable		15 - d - 1		
OPERATOR'S CERTIFICATION: I here and are classified, packaged, marked as	oy usciale that the col nd labeled/placarded	nerus of this cons and are in all reso	agament are fully and at	ccuretely descr for transport =	ccording t	e by the proper o applicable int	Shipping name
national governmental regulations.						- approcess in	
g. Operator's Name and Title (Print)	h. Signatu	IFO		i Dete			
*Operator refers to the company which of			Brvises the facility heing	i. Date demotished or	renovated	or the demoli	tion or
renovation operation or both		., , 				-, -, uid genitui	woll O

Unternate out 1.0.03 am 1.0.03 am	INBOUND	TEMBEHLD CHECKS
Micheller 1	CHATHAM COUNTY REGION CHATHAM COUNTY REGION	over the his read and antimestands the typic my conditions of the same of the
FORT WENTWHEN FESTIVATED THE THE TOTAL LANDSTEEL TO THE TOTAL LANDST	M.E. ONT GROSS WEIGHT 60 TARE WEIGHT 21 FEE-HAUL/TRANS/TRUCK SW-CONT SOIL FINAL RECOVERY FEE	The transfer and make deal that the content out tenant of Customer actions here has the fine read and understands the total meters of the second of the seco
10001 A & D 1741 LCX inc	20 00 TO TO TO TO TO TO TO TO TO TO TO TO TO	The funktions on the reverse OLZ PLK IN [17]



2204069

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

GENERATOR (Generator	or completes la	à-r)					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number	····	1 - 0		
N/A					c. Page	1 1 01	
d. Generator's Name and Location: Rheem Manufacturing Compar	au .		e. Generator's Mail	ling Address:		1	
139 Brampton Road	119		A&D Env	Konmental Service	es, LLC		
Savannah, GA 31408			4943 AUS	itin Park Avenue			
f. Phone:		- <u>-</u>	g. Phone:	A 30518			
If owner of the generating facility differs fro	om the generator, p	provide:					
h. Owner's Name:				_			
j. Waste Profile #	k. Exp. Date	I Waste Shir	i. Owner's Phone Noping Name and				
		Description	And Hame and	No.	ntainers	n. Total	o. Unit
				140.	Туре	Quantity	Wt/Vol
31101420787					1	1	
		Non-Regu	lated Soli	DI	ц тр		l l
					 		Tons
							1
				l	1		1
					<u> </u>		
		- 1					
GENERATOR'S CERTIFICATION I have				_			1
GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, clar waste is a treatment residue of a previously	y certify that the a	bove named mater	rial is not a hazardous	s waste as define	d by 40 Ci	R 261 or any	applicable
Waste is a treatment residue of a proviously		goor and to me prope	or contention for figureb	NOTABLION SCCORDIN	ig to applic	able regulation	s; AND, if this
been treated in accordance with the require	ments of 40 CFR	268 and is no long	ter a hazardous waste	restrictions. I ce as defined by A	filly and w	arrant that the	waste has
PAUL GAZZO	11/2.	11 4					
p. Generator Authorized Agent Name (Print		MEND	As Agent For 6	owcrator)	12/9	My	
II. TRANSPORTER (General	1 9.8	Signature /	V		r. Date		***************************************
The state of the s	ator completes	lla-b and Tran	sporter complete	s Ilc-e)			
Ban Trucking							
1027 Bacon Road	`		•				
Hirresville, GA 31313	5	N22					
b. Phone: 912.412.2402			100				
2 Shapping Littles	X. A	1019 V	Valid	121	a lut		
c. Driver Name (Print)	d. Signati		TOUR DE		9/14		
III. DESTINATION (Generato	r complete IIIa	Cond Doctine	Alon Oltanous I d	e. Date			
a. Disposal Facility and Site Address:	coutbiere ins.	-c and Destina	tion Site complete	es ilid-g)			
)	c. US EPA Numi	ber d. Discrepancy	Indication Space	r:		
/Savannah Regional Industrial 84 Cimon Bivd	Landmi		,				
b. Port Wentworth, GA 31407	912.964.2812	(]				
I hereby certify that the above named makes							
I hereby certify that the above named mater	iai nas been accei	pted and to the be	st of my knowledge th	ne foregoing is tru	e and acc	urate.	
N		Th.>			7 10	. 1111	
e. Name of Authorized Agent (Print)	f. Signatur	re Z		g. Date	- 	113	
IV. ASBESTOS (Generator co	Impletes IVa-f	and Operator	complete (Vo-i)			/	
a. Operator's Name and Address:	<u> </u>						
		'	c. Responsible Agend	y Name and Add	iress:		
b. Phone:							
e. Special Handling Instructions and Addition	nat Information:		d. Phone:				
	idi ililorifiadori.						
/ [] E:							
f. Friable Non-Friable Both	% Friat	ble	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby de and are classified, packaged, marked and la	eclare that the con	tlents of this consid	gnment are fully and a	accurately descri	oed above	by the proper	shipping name
and are classified, packaged, marked and la national governmental regulations.	beled/piacarded, a	and are in all respe	ects in proper conditio	n for transport ac	cording to	applicable inte	mational and
				i			
g. Operator's Name and Title (Print)	h. Signatu	ire		i. Date			
*Operator refers to the company which owns renovation operation or both	, leases, operates	, controls, or super	rvises the facility being	g demolished or	renovated.	or the demoliti	on or
			<u> </u>			2011/01/01	

am 12-9-2014 10:10 am 12-9-2014 LINYOLCE EXTERSION TAX TOTAL	TENDERED CHANGE CHANGE CHECKE
943233 e J. 014 10:10 am 20.83 41,660 N	M. C. C. C. C. C. C. C. C. C. C. C. C. C.
01 943 Michelle J. 12-09-2014 12	and the problem of the fact that and the second of the sec
4-23, 3, 3, 3	The results are constituted from the second to the second and the second to the second
EGIONAL LA GA GA Services, I Services, I TARE WEIGH TRANS/TRUC TRANS/TRUC SOIL ENTAL FEE	We after after the first the first the collection of the first the
SAVANNAH R 84 CI 84 CI 84 CI 103014 103014 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 20.01 SCALE IN SCALE IN SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT FEE-HAUL/ 20.83 TN ENVIRONM 1.00 FUEL REC	2
PO COUSTOWER 109014 A 6 D E 1741 Ca 1741 Ca 1741 Ca 20.83 20.83 20.83 20.83 1.00 1.00	and the second contract of the second contrac

1. 1880 Per 1988



2204070	If waste is asbe If waste is <u>NOT</u>	stos waste, complet asbestos waste, co	e Sections I, II, III and IV mplete Sections I, II and III	#					
I. GENERATOR (Generate	or completes I	a-r)							
a. Generator's US EPA ID Number N/A		b. Manifest Docum	ment Number		c. Page 1 of				
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone: If owner of the generating facility differs fr		provide:	e. Generator's Mailing Add A&D Environmer 4943 Austin Pari Buford, GA 3051 g. Phone:	k Avenue	es, LLC		1		
h. Owner's Name:	and g andrate.	, provido.							
j. Waste Profile #	k. Exp. Date	I Waste Shir	i. Owner's Phone No.: pping Name and	T - Co-	. Animana				
	II. Exp. Date	Description	phug Hame and	No.	tainers Type	n. Total Quantity		o. Unit Wt/Vol	
31101420787		Non-Regu	Non-Regulated Soil				Tons		
GENERATOR'S CERTIFICATION: I here	hy cadify that the	about pared mate	del la cota la companya						
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	assilieu and pack Iv restricted hazai	ageo, ano is in prop rdous waste subject	er condition for transportation	n accordin	g to applic	able regula			
PAUL GAZZO	Va	L Bank AS	Agent for beneen	stoe!	12/9	14			
p. Generator Authorized Agent Name (Pri		. Signature	V		r. Date				
II. TRANSPORTER (General	rator complete	es fla-b and Tran	nsporter completes lic-	e)					
a. Transposers Name and Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402	TBO	1		``	-				
X NATHIAN ROTTE	ム X .	1/100	John !	X. 17	19/14				
c. Driver Name (Print)	d. Sign			e. Date	1114				
III. DESTINATION (Generat	or complete ill	la-c and Destina	ition Site completes Illo	d-g)					
a. Disposal Facility and Site Address:	11.	c. US EPA Num	ber d. Discrepancy Indica	tion Space) :				
Savannah Regional Industria 84 Citifon Biya Port Wentworth, GA 31407	912.964.2812								
I hereby certify that the above named mat	erial has been ac	cepted and to the be	est of my knowledge the fore	going is tr	ue and acc	cunate.	1		
17110			J		12	. - -Q	11	-1	
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator)	f. Signa			g. Date		1 1	t		
IV. ASBESTOS (Generator a. Operator's Name and Address:	completes iva	-f and Operator	c. Responsible Agency Nan	ne and Ad	dress:	1 1	y		
h Phina	•		1						
 b. Phone: e. Special Handling Instructions and Addit 	ional Information		d. Phone:					<u>_</u>	
p remaining manadatoria and Addit	oner unomedion.								
f. ☐ Friable ☐ Non-Friable ☐ Both	% E.	riable	% Non-Friable	 					
OPERATOR'S CERTIFICATION: I hereby	declare that the	contents of this cons	ignment are fully and accura	ately descr	ibed above	by the pro	per shi	pping name	
and are classified, packaged, marked and national governmental regulations.	labeled/placarded	d, and are in all resp	ects in proper condition for t	transport a	ecording to	o applicable	intern	ational and	

g. Operator's Name and Title (Print)

h. Signature

i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both



2204071

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

. GENERATOR (Generate	or completes la	a-r)						
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		l a Bas			
N/A					c. Page	9 1 OI .		
d. Generator's Name and Location:			e. Generator's Mailing Address:					
Rheem Manufacturing Compa 139 Brampton Road	iny		A&D Em	rironmental Service	es. LLC			
Savannah, GA 31408			4943 Austin Park Avenue					
f. Phone:			Buford, GA 30518 g. Phone:					
If owner of the generating facility differs from	om the generator.	provide:	g. Filone:					
	0 =,	F . • • • • • • • • • • • • • • • • • • •						
h. Owner's Name: j. Waste Profile #			i. Owner's Phone N	No.:				
j. Waste Frome #	k. Exp. Date	I. Waste Ship	ping Name and	m. Co	ntainers	n. Total	o. Unit	
		Description		No.	Type	Quantity	WiVoi	
		- 1						
31101420787		Non-Regu	lated Sall			İ		
		1,70,711,092	ibica 2011	,	mp		_1	
						 	Tons	
				1		l		
				1	1			
						1		
		j						
				ļ		1		
				Ì		1	İ	
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, cla	by certify that the a	above named mater	rial is not a hazardou	s waste as define	d by 40 C	ED 261 or one		
state law, has been properly described, cla waste is a treatment residue of a previously	assified and packa	iged, and is in prop	er condition for trans	portation according	a to applic	cable regulation	applicable	
waste is a treatment residue of a previousl been treated in accordance with the requin	y restricted hazard	dous waste subject	to the Land Disposal	Restrictions. I ce	rtify and w	varrant that the	waste has	
	ements of 40 CFR	268 and is no long	er a hazardous was	te as defined by 4	0 ČFR 26	1.		
+AU 9A220	1/0	Jan 176	AS ADON FOR 1	rew crator	17 /0	1111		
p. Generator Authorized Agent Name (Prin	1) / 0	Signature	restriction to	on action)	10,7	719		
II. TRANSPORTER (Gener	ator complete	olk b And Tran			r. Date			
a. Transporter's Name and Address:	ator completes	s lia-b ellu Hall	sponer complete	es (IC-e)			-	
Ban Trucking	\bigcirc	$\overline{}$						
1027 Bacon Road	(~ A)	32						
Hinesville, GA 31313	\mathbb{D}^{N}	ンレ						
b, Phone: 912.412.2402								
X. Clarence Littles	\)	HA	1/ 12	k2 /11	/		
c. Driver Name (Print)	- A V C	culona a	ttlo.	16	<u> [] [] </u>			
	d. Signa			e. Date	7			
	or complete Illa	a-c and Destina	tion Site complet	tes IIId-g)				
a. Disposal Facility and Site Address:		c. US EPA Num		y Indication Space				
Savannah Regional Industrial	Landfill	1			•			
84 Ciffor Bivd			1					
b. Port Wentworth, GA 31407	912.954.2812	1	V	2,				
I hereby certify that the above named mate	rial has been acco	ented and to the bo	ct of my mouled as A	11-6				
V	Man Had Book acc	opied and to the be	st of my knewledge t	ine toregoing is th	e and acc	zurate.		
		\sim			1~	7.1G1	$\mathcal{H}_{\mathcal{F}}$	
e. Name of Authorized Agent (Print)	1. Signate	ure V		g: Date			 	
IV. ASBESTOS (Generator C	ompletes IVa-I	f and Operator of	complete IVa-i\	1 3. 00.0				
a. Operator's Name and Address:								
, , , , , , , , , , , , , , , , , , , ,			c. Responsible Agen	icy Name and Add	iress:			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addition	onal Information:					· · · · · · · · · · · · · · · · · · ·		
f. ☐ Friable ☐ Non-Friable ☐ Both	0/ F-1-	abla	0/ 11					
OPERATOR'S CERTIFICATION: I hereby of	% Fria	ptoots of this consi	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and in national governmental regulations.	abeled/placamed	and are in all consi	grunent are fully and	accurately descri	bed above	by the proper	shipping name	
national governmental regulations.		are in an respe	we in biohai coudin	on for transport at	coraing to	spplicable inte	emational and	
a Operated No.				ı				
g. Operator's Name and Title (Print)	h. Signat	ture		i. Date				
*Operator refers to the company, which own renovation operation or both	s, leases, operate	s, controls, or supe	vises the facility being	ng demolished or	renovated	, or the demolit	ion or	

NETAMOUNT		8	moters counts. The de	nd part year see the see of the	d Continue Successibility of	the probability of the task and the second state of the control of	the grades report independent to proof the content of the first belong the second report and the first belong the content of t		
				CHATHAM COUNTY REGION	СНАТНАМ С	NSZTKUCK L FEE 5	FEE-HAUL/TRAI SW-CONT SOLL ENVIRONMENTA FUEL REPOVER	T'N EA	20.50 20.00 20.50 1.00
TOTAL	SION	EXTENSION	RAIE		DESCRIPTION				1
	THE SHIT		20.50	NET TONS	22,080	TARE WEIGHT	O Z	SCALE IN	1
ПИОТСЕ	AMT		P	97-10.1.E BN - 20 W 51 DENCE 2204072 191 C OF LADING		Tobors 1741 Citte Ferry Ed. Legington, 38° 29073 31101420787	Property 1741 Catha Fary Ed. Lexington, 30° 29074 31101420787	1741 Catte For Legington, Sat 31101420787	1741 c
E :	_ = =	Z = = = = = = = = = = = = = = = = = = =	err 943244 m 943244 e J. 014 10:42 am	MICHAELE J. AUGUSTALE IN 12-09-2014	NDFTLL 0 912-964-2812	ATH HOL	CASAIIIME REG PORT WEITWORTH,	- POICT	SITE

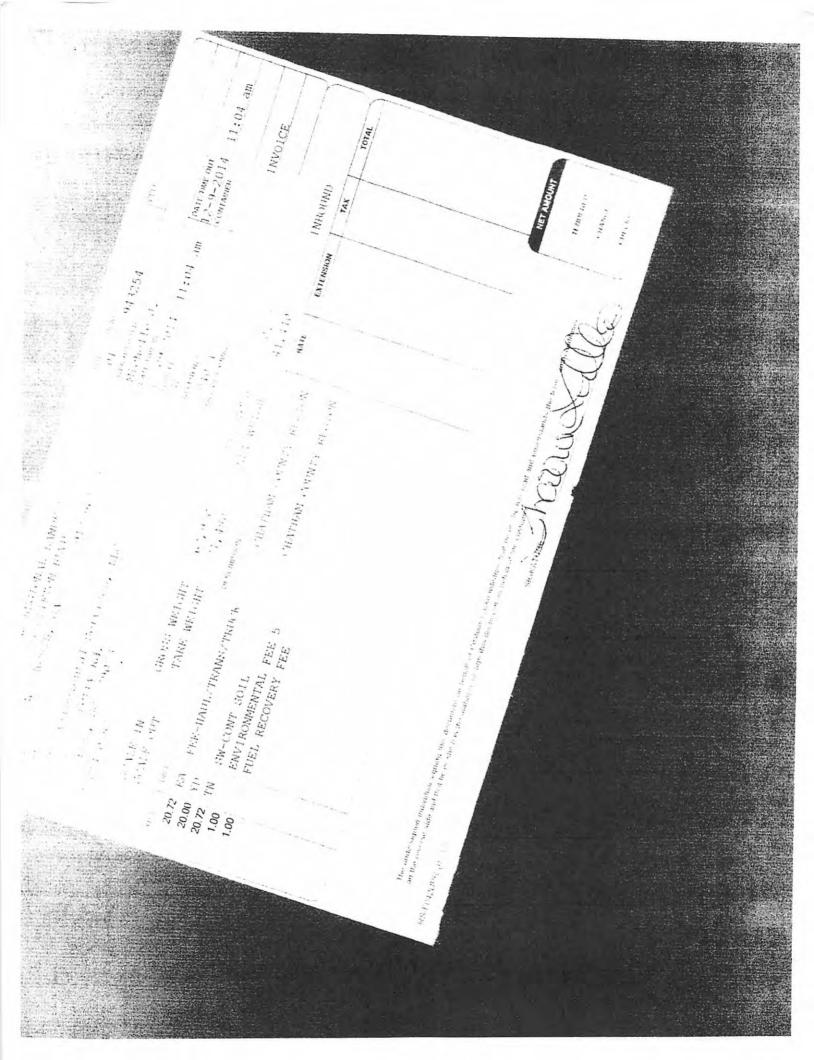


#

2204072

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and II

I. GENERATOR (Generate	or completes Is		npote Sections I, II and III					
a. Generator's US EPA ID Number N/A	JI GOINPICKS II	b. Manifest Docum	nent Number		c. Page	1 of 1	P-101	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Add A&D Emitorimer 4943 Austin Pari Buford, GA 3051 g. Phone:	к Амепше	E5, LLC	•		
If owner of the generating facility differs for h. Owner's Name:	om the generator,	provide:	Currer's Phone No.					
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	i. Owner's Phone No.: pping Name and	m. Con		n. Total	o. Unit	
31101420787		Non-Regul	lated Soli	No.	Type mp	Quantity	₩t/Vol	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl. waste is a treatment residue of a previous been treated in accordance with the requirements.	iassined and packa slv restricted bazan	agea, and is in propertions waste subject	er condition for transportation to the Land Disposal Bosto	on accordin	g to applic	able regulations;	ABID SEALI-	
PAUL GAZZO								
p. Generator Authorized Agent Name (Printle II. TRANSPORTER (Generator Authorized Agent Name (Printle II. TRANSPORTER (Generator Authorized Agent Name (Printle III. TRANSPORTER (Generator Authorized Agent Name (Printl		. Signature			r. Date			
a. Transpoder Name Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone:		-JC	isporter completes lic-	<u>e)</u>				
c. Driver Name (Print) d. Signature								
c. Driver Name (Print) d. Signature e. Date III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g)								
a. Disposal Facility and Site Address:	1	c. US EPA Num) :		-	
Savannah Regional Industria 84 Chinon Biv d Porf Wentworth, GA 31407	912.954.2812			•				
I hereby certify that the above named mat	ecial has been acc		st of my knowledge the fore	going is tn	ue and acc	curate.		
		w^		1215/14				
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator)	completes IVa-		complete IVa-il	g. Date				
a. Operator's Name and Address:	sompiotoe c		c. Responsible Agency Nar	me and Ad	dress:			
						- -		
b. Phone: e. Special Handling Instructions and Addition	ional Information:	L	d. Phone:	·····				
f. Friable Non-Friable Both	% Fri	iable	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	labeled/placarded	I, and are in all resp	ects in proper condition for	ately descri transport a	ccording to	by the proper sr applicable inters	national and	
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signa vns, leases, operate	ature les. controls, or supe	ervises the facility being den	i. Date nolished or	renovated	or the demolitic	n or	
renovation operation or both			and the teamy coming con	1011011011011	.c.iovatet	, or the temolito	01	





2204074

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

GENERATOR (Generat	or completes		- :					
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number	····	c. Page	1 of		
d. Generator's Name and Location: Rheem Manufacturing Comp. 139 Brampton Road Savannah, GA 31408 f. Phone:	any	I	e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
If owner of the generating facility differs fr	rom the generator	provido:	g. Phone:					
Į.	our are Acticistor	, provide.						
h. Owner's Name: i. Waste Profile #	li Eur Data	11111-1-01	i. Owner's Phone No.:					
j. Tracto Transa p	k. Exp. Date	Description	oping Name and	m. Con No.	tainers Type	n. Total	o. Unit	
				1.10.	1 ype	Quantity	Wt/Vol	
31101420787	1	Non-Regu	lated Soll	ום	ann.	l		
				1 "	···b		Tons	
					·			
				1 1				
				1 1				
GENERATOR'S CERTIFICATION: Lboss	h							
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous	lby certily that the assified and pack	above named mate aged, and is in oron	rial is not a hazardous w	aste as defined	by 40 C	FR 261 or any a	applicable	
waste is a treatment residue of a previous been treated in accordance with the requi	ly restricted haza	rdous waste subject	to the Land Disposal Re	estrictions. I cer	; to appiic tify and w	able regulations	s; AND, if this	
	rements of 40 CFI	7-268 and is no long	ger a hazardous waste a	s defined by 40	CFR 26	1		
YAVL GAZZO		Jal G18	195 Agent For ba	(centre)	1219	lev		
p. Generator Authorized Agent Name (Pri		. Signature/		7	r. Date	• /		
II. TRANSPORTER (General	rator complete	s Ila-b and Tran	nsporter completes i	llc-e)				
a. Transporter in Narching Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402	RN 27	2.						
b. Phone: 512.412.2402			forke					
c. Driver Name (Print)	d. Signa		Colle		9/14			
III. DESTINATION (Generate			tion Site completes	1 e. Date			-	
a. Disposal Facility and Site Address:	. Complete in	c. US EPA Num	ber d. Discrepancy Inc					
Sayannah Regional Industria	al Dandfill		d. Discrepancy int	uicauon space:				
84 Cillion Bivd Port Wentworth, GA 31407	}							
<i>D</i> .	912.964.2812			,				
I hereby certify that the above named mate	efial has been acc	cepted and to the be	st of my knowledge the f	foregoing is tru	e and acc	urate.		
		<i> </i>			1	1 62 11	1	
e. Name of Authorized Agent (Print)	f. Signa	ture		g. Date	-t		7	
IV. ASBESTOS (Generator of	completes IVa-	f and Operator	complete IVg-i)					
a. Operator's Name and Address:			c. Responsible Agency I	Name and Add	ress:			
			,					
b. Phone:			d. Phone:					
e. Special Handling Instructions and Additi	onai information:							
4 D Sight D M To the T								
f. Friable Non-Friable Both	% Fri	able	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	labeled/placarded	i, and are in all resp	ects in proper condition f	curately describ for transport ac	ed above cording to	by the proper so applicable inte	shipping name mational and	
and governmental regulations.								
g. Operator's Name and Title (Print)	h. Signa	ture		i. Date				
*Operator refers to the company which own renovation operation or both	is, leases, operati	es, controls, or supe	rvises the facility being d	lemolished or r	enovated	, or the demoliti	on or	

SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 912-96 84 CLIFTON BLVD 912-96 100014 PORT WENTWORTH, GA A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIKS FERRY Rd. A CLIFTON BLVD 10001 FERRE COVERY WEIGHT TARE WEIGHT T	
NDEILL NDEILL NOT 11:06 am NICHER 12:03255 D12-964-2812 D12-964-2812 D12-964-2812 ELLC LLC RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION RUCK CHATHAM COUNTY REGION	
TNEOUND TOTAL T	•



2204073

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number	tor completes							
N/A		b. Manifest Docu	ment Number		c. Page	e 1 of		
d. Generator's Name and Location: Riteem Manufacturing Com 139 Brampton Road Savannah, GA 31408	pany	1	e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue					
f. Phone:			Buford, GA 30 g. Phone:	518				
If owner of the generating facility differs	from the generator	, provide:	g. Fione.					
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Shi	pping Name and	m Con	tainers	n. Total	1 - 11-11	
		Description		No.	Туре	Quantity	o. Unit Wt/Vol	
31101420787		Non-Reg	ulated Soll	Dt	mp		Tons	
GENERATOR'S CERTIFICATION: Library	Pahu partifu that the							
GENERATOR'S CERTIFICATION: I her state law, has been properly described, waste is a treatment residue of a previou been treated in accordance with the requ	isly restricted have	egeu, anu is ili pioj	to the Lead Discussion	tion according	g to appli	cable regulation	applicable ns; AND, if this waste has	
PAUL GAZZO		tul an in	Al .					
p. Generator Authorized Agent Name (P	rint)	. Signature	MAS Agent For Gen	UCEATOR	r. Date	119		
II. TRANSPORTER (Gene			nsporter completes lie	C-0)	r. Date			
a. Transporter's Name and Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	BN	702						
c. Driver Name (Print)	d. Sign	ature 5 m	7	X / 2 / 9	1/14			
III. DESTINATION (General	tor complete II	la-c and Destina	ation Site completes	llid-a)				
a. Disposal Facility and Site Address:		c. US EPA Nun			:			
Savannah Regional Industr 84 Cirron Bivd b. Pon Wentworth, GA 31407	912. 964.2812							
I hereby certify that the above named ma	iterial has been ac	cepted and to the b	est of my knowledge the fo	regoing is tru	e and ac	curate.		
m	->	1		-	1	7 1 82. 1	(16:	
e. Name of Authorized Agent (Print)	f. Signa			g. Date		~ (7-1	
IV. ASBESTOS (Génerator	completes IVa	-f and Operator	complete IVg-i)			t		
a. Operator's Name and Address:			c. Responsible Agency N	ame and Ado	lress:			
b. Phone:		İ	d. Phone:					
e. Special Handling Instructions and Add	itional Information:		u. Fhore.					
f. ☐ Friable ☐ Non-Friable ☐ Bott	, w.e.	iable	% Non Fish!					
OPERATOR'S CERTIFICATION: I hereb and are classified, packaged, marked and national governmental regulations.	v declare that the o	contents of this con-	% Non-Friable signment are fully and accupects in proper condition for	urately descri or transport ac	bed abov cording t	e by the proper to applicable into	shipping name emational and	
				1				
g. Operator's Name and Title (Print) *Operator refers to the company which or	h. Sign	ature	andoon the facility to	i. Date				
renovation operation or both	mia, icases, opera	es, willos, or sup	ervises the tactily being de	ernoushed or	renovate	a, or the demolit	tion or	

SAVANNAH PEGINNAL LANIFILL 84 SLIFTIN ELVI 01 943258 CELL PORT WENTWORTH, GA P11-264-1612 Susan D. 247871182.3 12-09-2014 11:18 am 2-3-11 A D Environmental Services, III I HI Calks Ferry Rd. Laxington, SC 29073 TB-001 REFERENCE 2204075 11111420787 BILL OF LADING SCALE IN GRISS WEIGHT 56,661 NET TONS 17.47 SCALE OUT TARE WEIGHT 21,720 NET WEIGHT 34,940 17.47 EA FEE-HAUL/TRANS TRUCK CHATHA 133:00 RATE EXTENSION TAX CHATHAM COUNTY REGION 20.00 YD 17.47 TN SW-CONT SOIL CHAIHAM COUNTY REGION 1.00 ENVIRONMENTAL FEE 8 1.00 FUEL RECOVERY FEE A LINE I ****** The set of specific and supplied to another the setting of the set of the setting CHAT IS SIGNATURE TOUR 2/21 CHECK:



2204075

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	1-r)					
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	1 of	·
N/A					C. Page		
d. Generator's Name and Location: Riteem Manufacturing Compa			e. Generator's Mailing Ad	dress:			
139 Brampton Road	iny		A&D Environme 4943 Austin Par	mai Service	5, LLC		
Savannah, GA 31408			Buford, GA 3051				
f. Phone:			g. Phone:				
If owner of the generating facility differs fr	om the generator, p	provide:		•			
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		ping Name and	m. Cont	ainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
				1 1			
31101420787		Non-Regu	lated Soll	Dur	πρ	1	
			1				Tops
				1 1		[
				1			
				1		i	
		- [1 1		l	
GENERATOR'S CERTIFICATION: I here	by certify that the a	thove named mate	rial is not a hazardous unat	0.00 defined	h 40 O		
! State law, Has been brobeny described, ci	assiieo ano nacka	non annie in nmh	ar condition for transportable				
I waste is a nearlicul legione of a bleaking	iv restricteo nazaro	ious wasia suniaci	In the Land Dienocal Docto	ofione Lead	Hf., and		waste has
been treated in accordance with the requi	Tements of 40 CFR	Xoo ang is no long	er a nazardous waste as de	elined by 40	CFR 26	1.	
PAVI GAZZO	10	and grs	TY 45 Agest For Ga	contoc	12/91	44	
p. Generator Authorized Agent Name (Prin		Signature / //	0-	7	r. Date		
II. TRANSPORTER (Gene	rator completes	s lla-b and Tran	sporter completes IIc-	e)			
a. Transporter's Name and Address:							
1027 Bacon Road	1001						
Hinesville, GA 31313	1801						
b. Phone: 912.412.2432	100	22 (2)		11.0			
12 NATHAY 10,4/2	L X V	MUhl	LOUIS	X 161	19/14		
c. Driver Name (Print)	d. Signa			e. Date			
III. DESTINATION (Generat	or complete Illa	a-c and Destina	ition Site completes III	d-g)			
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Indica	ation Space:			
Savannah Regional Industria	ai Landfili						
84 Clifton Blvd Port Wentworth, GA 31407	912.954.2842~~						
, o .		<u> </u>					
I hereby certify that the above named mat	enai nas been acci	epted and to the be	est of my knowledge the fore	egoing is true	e and ac	curate.	
				$ \rightarrow \rangle$	~ `·•	1111	
e Name of Authorized Agent (Print)	f. Signati			g. Date			
IV. ASBESTOS (Generator	completes IVa-l	f and Operator	complete IVg-i)		•		
a. Operator's Name and Address:			c. Responsible Agency Na	me and Add	ress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addit	ional Information:						
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fris	able	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby	declare that the co	ontents of this cons	signment are fully and accura	ately descrit	ed abov	e by the proper	shipping name
and are classified, packaged, marked and national governmental regulations.	iaueiewpiacarded,	, and are in all 1895	recas in proper condition for	uansport ac	cording t	o applicable in	emational and
a Operator's Name and Title (Driet)	h Cinca	hiro		1 Deta			
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signa ms, leases, operate	cure es, controls, or supe	ervises the facility being den	i. Date nolished or r	enovate	. or the demol	tion or
renovation eneration or both						-, -, -, -, -, -, -, -, -, -, -, -, -, -	

Susan D. 12-09-2014 11:24 am 11-24 Terral Desmises, IIC BN-32 2204076 BILL OF LADING SPIRE VETERS NET TONS 17.48 NET WEIGHT 34,960 53,960 TARE WEIGHT 14,000 NET WEIGHT RATE EXTENSION · * +: : :: THATHAM COUNTY REGION ·- 48 #75 . 15 fills ##718 17 E.T.AL [23] 3 CHATHAM COUNTY REGION F721 8201 E81 FEE The state of the authority to sign this dependent on behalf of the contract. The terms and contract the substitute authority to sign this dependent on behalf of the contract. 2/21 SIGNATURE



2204076

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

N/A					C Page	1 of		
d. Generator's Name and Location: Rheem Manufacturing Comp	——— <u> </u>					c. Page 1 of		
t neem Manufacturing Comp 139 Brampton Road	pany		e. Generator's Mailing Ac	dress:	00 110			
Savannah, GA 31408			Ed unsine cace	IK AYemue	eo, LLC			
f. Phone:			Buford, GA 305	18				
If owner of the generating facility differs	from the generator	nmvide:	g. Phone:					
h. Owner's Name:	generator,	provide.	1					
. Waste Profile #	T. 5		i. Owner's Phone No.:					
	k. Exp. Date	I. Waste Ship	pping Name and	m. Cor	ntainers	n. Total	1 - 11-	
		Description		No.	Туре	Quantity	o. Un	
31101420787							1	
		Non-Regu	lated Soli	ום	mp	j	1	
			1				rons	
		1					+	
						1		
				 				
							1	
ENERATOR'S OFFICE		_					1	
ENERATOR'S CERTIFICATION: I here ate law, has been properly described, daste is a treatment residue of a province	by certify that the at	bove named mater	ial is not a hazardous waste	as define	1 by 40 0=	D 004		
ate law, has been properly described, of aste is a treatment residue of a previous sen treated in accordance with the requirements.	assined and packag	ed, and is in prope	er condition for transportation	n according	i by 40 CF I to annlice	rk 261 or any a	pplicable	
aste is a treatment residue of a previous een treated in accordance with the requi	rements of 40 CFR	uus waste subject 268 and is no loog	to the Land Disposal Restric	tions. I cer	tify and wa	arrant that the v	, ANU, (f (vaste hac	
AUL GA 220	1/		, , , , , , , , , , , , , , , , , , , ,		CFR 261			
	179	W. Gero	es agent for Gence	المهدم	12/9/19	1		
Generator Authorized Agent Name (Prin	nt) /q. s				r. Date	-		
TRANSPORTER (General Transporter Name and Address:	rator completes	lla-b and Trans	Sporter completes IIo o	<u>, </u>	r. Date			
			Postor Completes IIC-E	<u> </u>				
1027 Bacon Road	•							
	(1 . \ /	2.2						
Hinesville, GA 31313	PN C	32						
Phone: 912.412.2402	PN.	32						
Phone: 912.412.2402	18. W	· · · · · · · · · · · · · · · · · · ·	+ f. I					
Phone: 912.412.2402	X ((Sidien F	Tilo		19114			
Phone: 912.412.2402 Citt fit: 11165 Driver Name (Print)	d. Signatu	Filian J	Tilo		19114			
Phone: 912.412.2402 Cirting: Little Driver Name (Print) DESTINATION (Generate	d. Signatu	re c and Destinat	ion Site completes IIId	e. Date -g)	19114			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address:	d. Signatu or complete Illa-	Filian J	ion Site completes IIId	e. Date -g)	19114			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria	d. Signatu or complete Illa-	re c and Destinat	ion Site completes IIId	e. Date -g)	19114			
Phone: 912.412.2402 Driver Name (Print) Disposal Facility and Site Address: Savannah Regional Industria. 84 Clifton Bivd	d. Signatu or complete Illa-	re c and Destinat	ion Site completes IIId	e. Date -g)	19114			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Address: Savannah Regional Industria 84 Clifton Bivd Port Wentworth, GA 31407	d. Signatu or complete Illa- I Landfill 912-954-2812	c. US EPA Numb	ion Site completes Illd er d. Discrepancy Indicati	e. Date -g) on Space:				
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria 84 Cliffon Bivd Port Wentworth, GA 31407	d. Signatu or complete Illa- I Landfill 912-954-2812	c. US EPA Numb	ion Site completes Illd er d. Discrepancy Indicati	e. Date -g) on Space:		rote		
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria 84 Cliffon Bivd Port Wentworth, GA 31407 preby certification the above named make	d. Signatu or complete Illa- I Landfill 912-954-2812	c. US EPA Numb	ion Site completes Illd er d. Discrepancy Indicati	e. Date -g) on Space:	ang/actr			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria 84 Clifton Bivd Port Wentworth, GA 31407 Pereby certific distribe above named mare	d. Signature or complete Illa- I Landfill 912-954-2812 rial has been accept	c US EPA Numb	ion Site completes IIId er d. Discrepancy Indicati t of my knowledge the foreg	e. Date g) on Space:				
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria 84 Clifton Bivd Port Wentworth, GA 31407 Breby certific dat the above named material Regional Print	d. Signature or complete Illa- I Landfill 912-954-2812 rial has been accept	c US EPA Numb	ion Site completes IIId er d. Discrepancy Indicati t of my knowledge the foreg	e. Date -g) on Space:	ang/actr			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industrial Statement of Authorized Agent (Print) ASBESTOS (Generator of Authorized Comment of Authorized Comment of Authorized Comment of Authorized Comment of Authorized Comment of Authorized Agent (Print)	d. Signature or complete Illa- I Landfill 912-954-2812 rial has been accept	c and Destinat c. US EPA Numb	ion Site completes IIId er d. Discrepancy Indicati t of my knowledge the foreg omplete IVg-i)	e. Date g) con Space: coing is true	anovaceu			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industrial Statement of Authorized Agent (Print) ASBESTOS (Generator of Authorized Comment of Authorized Comment of Authorized Comment of Authorized Comment of Authorized Comment of Authorized Agent (Print)	d. Signature or complete Illa- I Landfill 912-954-2812 rial has been accept	c and Destinat c. US EPA Numb	ion Site completes IIId er d. Discrepancy Indicati t of my knowledge the foreg	e. Date g) con Space: coing is true	anovaceu			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industrial Statement of Port Wentworth, GA 31407 Breby certify that the above named make the print wentworth of Authorized Agent (Print) ASBESTOS (Generator C	d. Signature or complete Illa- I Landfill 912-954-2812 rial has been accept	c and Destinat c. US EPA Numb	ion Site completes IIId er d. Discrepancy Indicati t of my knowledge the foreg omplete IVg-i)	e. Date g) con Space: coing is true	anovaceu			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Address: Savannah Regional Industria 84 Clifton Bivd Port Wentworth, GA 31407 Breby certific dat the above named mare of Authorized Agent (Print) ASBESTOS (Generator coperator's Name and Address:	d. Signature or complete Illa- I Landfill 912-954-2812 rial has been accept	c and Destinat c. US EPA Numb	ion Site completes IIId er d. Discrepancy Indicati t of my knowledge the foreg omplete IVg-i)	e. Date g) con Space: coing is true	anovaceu			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria 84 Clifton Bivd Pont Wentworth, GA 31407 Breby certification the above named make Name of Authorized Agent (Print) ASBESTOS (Generator coperator's Name and Address:	d. Signature or complete Illa- l Landfill 912964.2812 rial has been accept t. Signature ompletes IVa-f a	c and Destinat c. US EPA Numb	ion Site completes IIId er d. Discrepancy Indicati t of my knowledge the foreg omplete IVg-i)	e. Date g) con Space: coing is true	anovaceu			
Phone: 912.412.2402 Driver Name (Print) Disposal Facility and Site Address: Savannah Regional Industria 84 Clifton Biv d Port Wentworth, GA 31407 Breby certify that the above named make Name of Authorized Agent (Print) ASBESTOS (Generator c Operator's Name and Address:	d. Signature or complete Illa- l Landfill 912964.2812 rial has been accept t. Signature ompletes IVa-f a	c and Destinat c. US EPA Numb	ion Site completes Illder d. Discrepancy Indicate d. D	e. Date g) con Space: coing is true	anovaceu			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industrial 84 Clifton Bivd Pprt Wentworth, GA 31407 Breby certify that the above named make Print	d. Signature or complete Illa- l Landfill 912964.2812 rial has been accept t. Signature ompletes IVa-f a	c and Destinat c. US EPA Numb	ion Site completes Illder d. Discrepancy Indicate d. D	e. Date g) con Space: coing is true	anovaceu			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria: 84 Clifton Bird Port Wentworth, GA 31407 ereby certific that the above named make that the above named make that the above named make that the above named make that the above named make that the above named make that the above named make that the above named make that the above named make that the above named make that the above named make that the above named make that the above named make that the above named make the above named make that the above named make the above named make the above named make that the above named make the above named	d. Signature or complete Illa- l Landfill 912954.2812 rial has been accept it. Signature ompletes IVa-f a	c us EPA Numb	ion Site completes IIId er d. Discrepancy Indicati t of my knowledge the foreg complete IVg-i) Responsible Agency Name Phone:	e. Date g) coing is true g. Date	and actu			
Phone: Phone: Driver Name (Print) DESTINATION (Generate Address: Savannah Regional Industria: 84 Clifton Bivd Port Wentworth, GA 31407 sreby certific that the above named mate Name of Authorized Agent (Print) ASBESTOS (Generator of Coperator's Name and Address: Phone:	d. Signature or complete Illa- Landfill 912-954-2812 rial has been accept or pletes IVa-f accepted with the second seco	ted and to the besended of the desired and to the besended of	er d. Discrepancy Indication of the Indication o	e. Date g) con Space: cing is true g. Date	ess:			
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria 84 Clifton Bird Port Wentworth, GA 31407 Breby certific that the above named mare of Authorized Agent (Print) ASBESTOS (Generator of Coperator's Name and Address: Phone: Special Handling Instructions and Additional Prints Industrial Industr	d. Signature or complete Illa- Landfill 912-954-2812 rial has been accept or pletes IVa-f accepted with the second seco	ted and to the besended of the desired and to the besended of	er d. Discrepancy Indication of the Indication o	e. Date g) con Space: cing is true g. Date	ess:		ipping nan	
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria 84 Clifton Bird Port Wentworth, GA 31407 Breby certific that the above named mare of Authorized Agent (Print) ASBESTOS (Generator of Coperator's Name and Address: Phone: Special Handling Instructions and Additional Prints Industrial Industr	d. Signature or complete Illa- Landfill 912-954-2812 rial has been accept or pletes IVa-f accepted with the second seco	ted and to the besended of the desired and to the besended of	er d. Discrepancy Indication of the Indication o	e. Date g) con Space: cing is true g. Date	ess:		ipping nan	
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industrial 84 Clifton Bird Port Wentworth, GA 31407 sreby certify that the above named male Name of Authorized Agent (Print) ASBESTOS (Generator of Coperator's Name and Address: Phone: Special Handling Instructions and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Additional Properties of Coperator and Coper	d. Signature or complete Illa- Landfill 912-954-2812 rial has been accept or pletes IVa-f accepted with the second seco	ted and to the besended of the desired and to the besended of	er d. Discrepancy Indication of the Indication o	e. Date g) con Space: cing is true g. Date	ess:		ipping nan	
Phone: 912.412.2402 Driver Name (Print) DESTINATION (Generate Disposal Facility and Site Address: Savannah Regional Industria 84 Clifton Bird Port Wentworth, GA 31407 Breby certific that the above named mare of Authorized Agent (Print) ASBESTOS (Generator of Coperator's Name and Address: Phone: Special Handling Instructions and Additional Prints Industrial Industr	d. Signature or complete Illa- s12954.2812 rial has been accept the signature or completes IVa-f accept the signature of the	ted and to the besended of the consideration of this consignation of the consideration of the	ion Site completes IIIder d. Discrepancy Indication d. Discrepancy Indication d. Discrepancy Indication d. Discrepancy Indication d. Discrepancy Indication d. Discrepancy IIIdentification d. Discrepancy IIIdentification d. Discrepancy IIIdentification d. Discrepancy IIIdentification d. Discrepancy IIIdentification d. Discrepancy IIIdentification d. Discrepancy IIIdentification d. Discrepancy IIIdentification d. Discrepancy IIIdentification d. Discrepancy Indication d. Discrepancy I	e. Date -g) cing is frue g. Date and Address ely describe nsport accord	ess:	by the proper shapplicable interm	ational an	

943266 25 144458 SAVANNAH REGIONAL LANDFILL 84 TLIFTON BLVD 7 TT TELTUSTE SA _ _ PLATFFFFELLL CELL TET TIME 20.19
TET WEIGHT 40,380 INBOUND RATE EXTENSION THATHAM TOTALTY REGION NET AMOUNT TENDERSO The sign of the second of the second of the second of the customer. CHANGE 2/21 CHECKE SIGNATURE



2204077

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\underline{\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Gener	ator completes la-r	r)					
a. Generator's US EPA ID Number N/A	t	o. Manifest Docu	ment Number	***	c. Page	1 of	
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone: If owner of the generating facility differs from the generator, provide:			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:				
	from the generator, pr	ovide:					
h. Owner's Name:			i. Owner's Phone No.:	•			
j. Waste Profile #	k. Exp. Date	o. Date I. Waste Shipping Name and		m. Co	ntainers	n. Total	o. Unit
		Description	· · · · · · · · · · · · · · · · · · ·	No.	Туре	Quantity	WtVol
31101420787		Non-Regu	ilated Soli	1 Di	mp		Топе
			-				
GENERATOR'S CERTIFICATION: I he state law, has been properly described, waste is a treatment residue of a previous been treated in accordance with the recommendation.	ciassineu anu package	eu, aitu is in prop	to the Land Disease D	tation according	ig to applic	able regulation	
YAVL GAZZO		al gr	and AS Agent FOR	2 General	1219	liy	
p. Generator Authorized Agent Name (II. TRANSPORTER (Ger		ignature	700		r. Date		
a. Transporter's Name and Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	BN 20						
C. Driver Name (Print)		n 1-il	E-Li		219/14		
	d. Signatur		-ti 0't 1 1	e. Date			
III. DESTINATION (Gener a. Disposal Facility and Site Address:		c. US EPA Num					
Savannah Regional indus 84 Ciffon Bivd Port Wentworth, GA 31407	trial Landfill 7 912.964.2812						
Thereby certify that the above named m	aterial has been accep	ted and to the be	est of my knowledge the	foregoing is to	ue and acc	curate.	
(1)		7	<u> </u>	1 7 -) [\ i	166-1	
e. Name of Authorized Agent (Print)	f. Signature			g. Date			
IV. ASBESTOS (Generato	r completes IVa-f a	and Operator					
a. Operator's Name and Address:			c. Responsible Agency	Name and Ad	dress:		
b. Phone:	170		d. Phone:				
e. Special Handling Instructions and Ad	ditional Information:						
f. ☐ Friable ☐ Non-Friable ☐ Bo	th % Friab	lo .	% Non-Friable				
OPERATOR'S CERTIFICATION: I here and are classified, packaged, marked a national governmental regulations.	by declare that the conf	tents of this cons	ionment are fully and ac	ccurately descr for transport a	ibed above ccording to	by the proper applicable int	shipping nan emational an
a Contain's Name and Tills (Dain)	L 6/222						
 g. Operator's Name and Title (Print) Operator refers to the company which or renovation operation or both 	h. Signatur owns, leases, operates,	controls, or supe	ervises the facility being	l i. Date demolished or	renovated	, or the demoli	tion or

12:37 pm	I COLDE	NET AMOUNT
	# ** ** ** ** ** ** ** ** ** ** ** ** **	
w 3 /:	1 811 113800	
943285 Fr. 41.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
01 943 Mi-fred I e 4. con 4 U-cos - 2014 Mi / 00 - 2014 con 10 fee	640 OBT WEIGHT 640 OBT WEIGHT CHAPHAM COURT, RECTOR	CHATHAM COUNTS FOSTERS
NDFILL 3 912-964-2812 LC	56, 820 26, 640 ss detusa CHATUAM	CHATHAM
AVANNAH REGIONAL LA 84 CLIFTON BLVI NTWORTH, GA DMeńtal Services, L erry Rd.	H GROSS WEIGHT TARE WEIGHT TARE WEIGHT	HWYIRONMENTAL FEE 5 FUEL RECOVERY FEE
S post WF con to the second se	SALAS OFFI	

H D. M. W. Walnut

IS MATHER.



2204078

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generat	or completes i							
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ment Number		c. Page			
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	Rneem мапитасципу Company 139 Brampton Road			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Aversue Buford, GA 30518				
If owner of the generating facility differs fi	arouida:	g. Phone:						
i	ioni die generator,	provide:						
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and	M. Con		n. Total	o. Unit	
	<u> </u>		**************************************	140.	Туре	Quantity	Wt/Vol	
31101420787		Non-Regu	lated Soli	Du	mp		Tons	
					· · · · · · · · · · · · · · · · · · ·			
OCNES ATORIO DE PRIMA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DEL LA CONTRA DEL CONTRA DE LA CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA	L							
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous been treated in accordance with the requi	lassified and pack sly restricted hazar	aged, and is in prop Idous waste subject	er condition for transportation to the Land Disposal Rostri	on according	to appli	cable regulation	AND MALL	
PAUL GAZZO	1/	6.10			12/2/			
p. Generator Authorized Agent Name (Pri	intl	. Signatur	45 Agont For vowc	RATOR	10,7%	79		
II. TRANSPORTER (Gene			enorter completes lie		r. Date			
a. Transporter's Name and Address:	ator complete	S IId-D dily IIdi	isporter completes lic-	e)				
1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	BN 70	12	•					
V i i	13/	1/ 17		11/	10	in a		
c. Driver Name (Print)	S M d. Sign			e. Date	2/9/	lly		
	tor complete III	a-c and Destina	ation Site completes III	d-g)				
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Indica	ation Space	:			
Savannah Regional Industri 84 Clifton Bivd Port Wentworth, GA 31407	/							
b. I hereby certify that the above named ma		cepted and to the be	est of my knowledge the fore	egoino is to	e and ac	rairete		
13		in		going to tro	\ (
e. Name of Authorized Agent (Print)	f. Signa		g. Date					
IV. ASBESTOS (Generator			complete (Va-i)	y. Date				
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ado	iress:			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addi	tional Information:							
f. Friable Non-Friable Both		riable	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	y declare that the of labeled/placarde	contents of this cons d, and are in all resp	signment are fully and accur pects in proper condition for	ately descri transport a	bed abov ccording	e by the proper to applicable in	r shipping name ternational and	
g. Operator's Name and Title (Print)	h. Sign		and an Anna faction to the	i. Date		· · · · · · · · · · · · · · · ·	···	
*Operator refers to the company which ov renovation operation or both	vns, leases, opera	ies, controls, or sup	ervises the facility being der	nolished or	renovate	a, or the demol	won or	

DAILTIME OUT 12-9-2014 12:40 pm CONTAINER LINYOLCE	I NBOUND EXTENSION TAX TOTAL	NET AMOUNT TEMBERED CHANGE CHECK®
943286 e J. 014 12:40 pm	18.13 36,260 RATE EXTE	de tray read and understands the bruns and conditions
01 96 01 96 01 10 96 01 10 10 10 10 10 10 10 10 10 10 10 10 1	340 NET TONS 080 NET WEIGHT CHATHAM COUNTY REGION CHATHAM COUNTY REGION	other for the control of the read and unit that the first of the control of the c
NDFILL) 912-964-28:2 LC	58,340 22,080 DESCHIPTIONE CHATHAN	on the contract of the contrac
REGIONAL LA CIIFTON BIVI GA Services, LI	S OUT TARE WEIGHT S OUT TARE WEIGHT FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	
SAVANNAH 84 C PORT WENTWORTH, 100014 A & D Environmental 8 1741 Calks Ferry Rd. Lewington, SC 29073 31101420787	SCALE IN SCALE OUT 18.13 EA FEE-HA 20.00 YD SW-CON 1.00 EUEL R 1.00	The sends required and ordered to see the final control of the con



2204079

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\hbox{NOT}}$ asbestos waste, complete Sections I, II and III

i. GENERATOR (Generation	or completes i							
a. Generator's US EPA ID Number		b. Manifest Docum	ment Number c. Page 1 of					
N/A d. Generator's Name and Location:		<u> </u>	A Generator's Mailling Ad-	troes:	···	1		
Rheem Manufacturing Compa	iny		e. Generator's Mailing Address: A&D Environmental Services, LLC					
139 Brampton Road	-		4943 Austin Park Avenue					
Savannah, GA 31408			Buford, GA 3051	8				
f. Phone: If owner of the generating facility differs fr	om the generator	provide:	g. Phone:					
	om the generator	, profide.						
h. Owner's Name:	r : -2	11100 - 500	i. Owner's Phone No.:		·		·	
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and	M. Con	Containers n. Total o. Uni Type Quantity Wt/Vo			
		2 coorpaon		140.	Туре	www.inty	170 701	
			1-1-A B W					
31101420787		Non-Regu	lated Soil	Dr	mp		١	
			1	╂──┤		То	lio -	
İ				,				
				 				
				1 1			1	
GENERATOR'S CERTIFICATION: I here	hy cortify that the	shows named moto	rial ie not a hazardoue wast	as dofine	1 by 40 C	ED 264 es con co	plicable	
state law, has been properly described, c	lassified and pack	kaged, and is in prop	er condition for transportation	on according	a to applic	able regulations:	AND, if this	
waste is a treatment residue of a previous	sly restricted haza	ardous waste subject	to the Land Disposal Restri	ctions, I ce	rtify and w	arrant that the wa	aste has	
been treated in accordance with the requi	rements of 40 CF	R 268 and is no long	ger a hazardous waste as de	efined by 4				
PAV 69220	14	Jan Sun	(AS AGUA FOR GONERA)	lon	12/9/	18		
p. Generator Authorized Agent Name (Pri	int)	q. Signature	r. Date					
II. TRANSPORTER (Gene			nsporter completes lic-	·e)				
a. Transporter's Name and Address:								
1027 Bacon Road	Part	761						
Hinesville, GA 31313	BN 1						•	
b. Phone: 912.412.2402								
	V.	gengl 1 son	W.	K 1	2 6 111	/		
c. Driver Name (Print)	d. Sign			17 k / 1 / /				
III. DESTINATION (Genera			ation Site completes "					
a. Disposal Facility and Site Address:	roi compiete i	c. US EPA Nun		 _	· · · · · · · · · · · · · · · · · · ·			
· ·	tot 1 oo 48**	C. US EFA NUM	u. Discrepancy indic	auun apact	··			
Savannah Regional Industri 84 Clifton Blvd	IZI LZŅOTIII							
Port Wentworth GA 31407	912.964.2812	: 1						
I hereby certify that the above named ma	terial has been a	ccepted and to the the	est of my knowledge the for	egoina is tr	ue and ac	curate.		
Micul		ľ	W]				
				1	1	9-14		
e. Name of Authorized Agent (Print)	f. Sign		pamplets N/s "	g. Date				
IV. ASBESTOS (Generator	completes IV	a-r and Operator						
a. Operator's Name and Address:			c. Responsible Agency Na	ime and Ad	dress:			
		İ						
b. Phone:			d. Phone:					
e. Special Handling Instructions and Add	itional Information	1:						
							-	
f. Friable Non-Friable Both	۱ % ا	Friable	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereb	y declare that the	contents of this con	signment are fully and accur	rately desci	ibed abov	e by the proper s	shipping name	
and are classified, packaged, marked an national governmental regulations.	o labeled/placard	eo, and are in all res	pacts in proper condition for	uansport a	iccording	io applicable inte	סווא ואווטעאווו	
menoner governmental regulations.				T				
				 				
g. Operator's Name and Title (Print)	h. Sig	nature	positions the facility balas de	i. Date	r ronover	d or the demotiti	00.00	
*Operator refers to the company which or	wns, leases, oper	ates, controls, or suj	pervises the lacility being de	infonsited o	RIGINA	o, or the demonstr	UI1 UI	

Ė.	205-	84	H REGIONAL LAN CLIFTON BLVD			O1 WEIGHMASTER	943288	CI	ELL	
1000 A & 1741	14 D Envi	WENTWORT ronmental Ferry Ro	Services, LLO	12-964-2812		Michelle DATETIME III 12-09-20 VEHICLE BN-22	e <u>J.</u>	2 pm 12	TETIME OUT 2-9-2014 ONTAINER	12:42 p
Lexi	ngton,	SC 2907	73		•	HEFERENCE 2204080 BILL OF LADING	G		IN	VOICE
	SCALE SCALE		GROSS WEIGHT TARE WEIGHT	60,940 21,480	NET NET W	TONS EIGHT	19.73 39,460		INBOUND	777.6 Tu
)TY.	וואט			ESCRIPTION			RATE	EXTENSION	TAX	FOTAL
19.73 20.00 19.73 1.00 1.00	TN	SW-CONT S	ENTAL FEE 5	СНАТНАМ						
							:			
•.•.										: :
									A	NET AMOUNT
Th on	in whiterpatr	e di marvidum sign Esude and that tur-	ong this document on behalf of she has the authority to co	of Customer acknowledge	s that he or sh	in has read ann u	nderstands the te	rms and conditio	ons	CHANG1:
ran	o oxperpetr i the reverse ചട്ടു പ്രവ	ord makritum sign it side and that her	ing the document on benefit of she has the authority to si	ign this document on behal	s that he or shif of the custon	ne hav read ann u ner.	nderstands the te	rms and condition	ons	CHANGE:
1311	ine reverse	SAVANNAH	REGIONAL LAND	sign this document on behalf	f of the custon	SITE TICKE	- ··	CE		
OMER	PORT	SAVANNAH	REGIONAL LAND	sign this document on behalf	f of the custon	SITE TICKE 01 WEIGHMASTER MICHELLE DATETIME IN	943288	CE	TE/TIME OUT	CHECK
ostek 1000 A & 1	PORT 14 D Envi Calks	SAVANNAH 84 WENTWORTH ronmental	REGIONAL LAND CLIFTON BLVD, GA 91	SIC DFILL 12-964-2812	NATURE	WEIGHMASTER Michelle DATE-TIME IN 12-09-20 VEHICLE BN-22	943288 J.	DA 2 pm 12	TE/TIME OUT -9-2014 NTAINER	CHECK*
TOMER 1000 A & 1 1741 Lexis	PORT 14 D Envi Calks	SAVANNAH 84 WENTWORTH ronmental Ferry Ro	REGIONAL LAND CLIFTON BLVD, GA 91	SIC DFILL 12-964-2812	NATURE	SITE TICKE 01 WEIGHMASTER MICHOLILE DATETIME IN 12-09-20 VEHICLE	943288 . J. 14 12:4	DA 2 pm 12	TE/TIME OUT -9-2014 NTAINER	CHECK
CMER 1000 A & 1 1741 Lexis	PORT 14 D Envi Calks	SAVANNAH 84 WENTWORTH ronmental Ferry Ro SC 2907	REGIONAL LAND CLIFTON BLVD, GA 91	SIC DFILL 12-964-2812	NATURE	SITE TICKE 01 WEIGHMASTER Michelle DATETIME IN 12-09-20 VEHICLE BN-22 REFERENCE 2204080 BILL OF LADING	943288 . J. 14 12:4	DA 2 pm 12	TE/TIME OUT -9-2014 NTAINER	CHECK*
1000 1000 1741 Lexin	PORT 14 D Envi Calks ngton, 142078 SCALE SCALE	SAVANNAH 84 WENTWORTH ronmental Ferry Ro SC 2907	REGIONAL LAND CLIFTON BLVD , GA 91 Services, LLC i. GROSS WEIGHT TARE WEIGHT	60,940 21,480	NET NET WE	WEIGHMASTER MICHOLILE DATETIME IN 12-09-20 VEHICLE BN-22 REFERENCE 2204080 BILL OF LADING	943288 J. 114 12:4	DA 2 pm 12	TE/TIME OUT -9-2014 NTAINER IN	CHECK*
19.73 20.00	PORT 14 D Envi Calks ngton, 142078 SCALE SCALE	SAVANNAH 84 WENTWORTH ronmental Ferry Ro SC 2907 IN OUT FEE-HAUL	REGIONAL LAND CLIFTON BLVD , GA 91 Services, LLC i. GROSS WEIGHT TARE WEIGHT TARE WEIGHT TARE MEIGHT TRANS/TRUCK	OFILL 12-964-2812 60,940 21,480	NET NET WE	WEIGHMASTER MICHOLILE DATETIME IN 12-09-20 VEHICLE BN-22 REFERENCE 2204080 BILL OF LADING TONS IGHT REGION	19.73 39,460	DA 2 DT 12	TEITINE OUT -9-2014 NTAINER IN	CHECK*
000 741 existing 110 v. 19.73 20.00 19.73	PORT 14 D Envi Calks ngton, 142078 SCALE SCALE UNIT EA YD	SAVANNAH 84 WENTWORTH ronmental Ferry Ro SC 2907 IN OUT FEE-HAUL SW-CONT S ENVIRONMI	REGIONAL LAND CLIFTON BLVD , GA 91 Services, LLC GROSS WEIGHT TARE WEIGHT TARE WEIGHT	OFILL 12-964-2812 60,940 21,480 ESCRIPTION CHATHAM	NET NET WE	WEIGHMASTER MICHOLILE DATETIME IN 12-09-20 VEHICLE BN-22 REFERENCE 2204080 BILL OF LADING TONS IGHT REGION	19.73 39,460	DA 2 DT 12	TEITINE OUT -9-2014 NTAINER IN	CHECKY 12:42 pm
0000 A & 1 741 Aexin 3110 Y. 19.73 20.00	PORT 14 D Envi Calks ngton, 142078 SCALE SCALE UNIT EA YD	SAVANNAH 84 WENTWORTH ronmental Ferry Ro SC 2907 IN OUT FEE-HAUL SW-CONT S ENVIRONMI	REGIONAL LAND CLIFTON BLVD GA 91 Services, LLC GROSS WEIGHT TARE WEIGHT TARE WEIGHT TARE TRUCK SOIL ENTAL FEE 5	OFILL 12-964-2812 60,940 21,480 ESCRIPTION CHATHAM	NET NET WE	WEIGHMASTER MICHOLILE DATETIME IN 12-09-20 VEHICLE BN-22 REFERENCE 2204080 BILL OF LADING TONS IGHT REGION	19.73 39,460	DA 2 DT 12	TEITINE OUT -9-2014 NTAINER IN	CHECK*
0000 A & 1 741 Lexis 3110 919.73 20.00 19.73	PORT 14 D Envi Calks ngton, 142078 SCALE SCALE UNIT EA YD	SAVANNAH 84 WENTWORTH ronmental Ferry Ro SC 2907 IN OUT FEE-HAUL SW-CONT S ENVIRONMI	REGIONAL LAND CLIFTON BLVD GA 91 Services, LLC GROSS WEIGHT TARE WEIGHT TARE WEIGHT TARE TRUCK SOIL ENTAL FEE 5	OFILL 12-964-2812 60,940 21,480 ESCRIPTION CHATHAM	NET NET WE	WEIGHMASTER MICHOLILE DATETIME IN 12-09-20 VEHICLE BN-22 REFERENCE 2204080 BILL OF LADING TONS IGHT REGION	19.73 39,460	DA 2 DT 12	TEITINE OUT -9-2014 NTAINER IN	CHECK*
0000 A & 1 741 Lexis 3110 919.73 20.00 19.73	PORT 14 D Envi Calks ngton, 142078 SCALE SCALE UNIT EA YD	SAVANNAH 84 WENTWORTH ronmental Ferry Ro SC 2907 IN OUT FEE-HAUL SW-CONT S ENVIRONMI	REGIONAL LAND CLIFTON BLVD GROSS WEIGHT TARE WEIGHT TARE WEIGHT TARE TRUCK SOIL ENTAL FEE 5	OFILL 12-964-2812 60,940 21,480 ESCRIPTION CHATHAM	NET NET WE	WEIGHMASTER MICHOLILE DATETIME IN 12-09-20 VEHICLE BN-22 REFERENCE 2204080 BILL OF LADING TONS IGHT REGION	19.73 39,460	DA 2 DT 12	TEATINE OUT =9-2014 INDOUND TAX	CHECK
1000 A & 1741 Lexis 3110 19.73 20.00 19.73	PORT 14 D Envi Calks ngton, 142078 SCALE SCALE UNIT EA YD	SAVANNAH 84 WENTWORTH ronmental Ferry Ro SC 2907 IN OUT FEE-HAUL SW-CONT S ENVIRONMI	REGIONAL LAND CLIFTON BLVD GROSS WEIGHT TARE WEIGHT TARE WEIGHT TARE TRUCK SOIL ENTAL FEE 5	OFILL 12-964-2812 60,940 21,480 ESCRIPTION CHATHAM	NET NET WE	WEIGHMASTER MICHOLILE DATETIME IN 12-09-20 VEHICLE BN-22 REFERENCE 2204080 BILL OF LADING TONS IGHT REGION	19.73 39,460	DA 2 DT 12	TEATINE OUT =9-2014 INDOUND TAX	CHECK*

CHECK#

2/21



2204080

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-	r)					
a. Generator's US EPA ID Number N/A		b. Manifest Docur	rument Number c. Page 1 of				
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:				
If owner of the generating facility differs fro	om the generator, p	rovide:	g. v rono.				
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		ping Name and	m. Containers n. Total			o. Unit
		Description		No.	Туре	Quantity	WtVcI
31101420787		Non-Regu	stated Soil	Di	mp	Te	ons
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl. waste is a treatment residue of a previous been treated in accordance with the requirements.	assified and packag Iv restricted hazard	ed, and is in prop ous waste subject	er condition for transportation to the Land Disposal Restri	on accordin	g to applic	cable regulations;	AND if this
LAUL GAZZO		and grant	AS Agent For Gowce	atoe!	12/9	liy	
p. Generator Authorized Agent Name (Prin		Signatuge //			r. Date		
II. TRANSPORTER (General	rator completes	lla-b and Tra	nsporter completes lic-	·e)			
a. Transportagie Namengrd Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402 b. Phone:	Br.	~ 22.					
XSharke Little		allin	XIST.	X	2/9/11	1	
c. Driver Name (Print)	d. Signat		olion Cita consulator III	e. Date			
III. DESTINATION (Generat	or complete illa						
a. Disposal Facility and Site Address: Savannah Regional Industria	al Landfill	c. US EPA Nun	nber d. Discrepancy Indica	ation Space	3 :		
B4 Clifton Bird Port Wentworth, GA 31407	912.964.2812						
I hereby certify that the above named mat	erial has been acce	pted and to the b	est of my knowledge the for	egoing is tr	ue and ac	curate.	
micula che	2	M			12. S	- 14	
e. Name of Authorized Agent (Print)	f. Signatu	ire	g. Date				
IV. ASBESTOS (Génerator	completes IVa-f	and Operator	completé IVg-i)				
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	dress:		.,,
b. Phone: e. Special Handling Instructions and Addit	lional Information:		d. Phone:				
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the co	ntents of this con	% Non-Friable signment are fully and accurate pects in proper condition for	rately desc transport	ribed abov according	ve by the proper to applicable inte	shipping name ernational and
g. Operator's Name and Title (Print)	h. Signal	lure		i. Date			00.05
*Operator refers to the company which ov renovation operation or both	vns, leases, operate	s, controls, or su	pervises the facility being de	mousned o	r renovate	o, or the demoliti	KUTI OF

22-9-2014 12:46 pm contains a 1NVOLCE		NET AMOUNT	TENDERED
	INBOUND	EXTENSION TAX	and conditions
01 943289 Michelle J. Michelle J. 12-09-2014 12:46 pm WHEALS BN-32	17.42	E E E	Shuffburs but any and conditions
01 943 WEG-BRITE J. Michelle J. 12-09-2014 WH-A. 18N-3. 18N-3. 18N-3. 18N-3. 2204081	NET TONS	CHATHAM COUNTY REGION CHATHAM COUNTY REGION	•
NDF1LL) 912-964-2812 LC	58,840	СНАТНА	
TON BLVI	GROSS WEIGHT	/TRUCK FEE 5 FEE	
Channel BAVANNAH REGISTALIF GAULT WENTWORTH, GAUT WENTWORTH, GAUT WENTWORTH, GAUT WENTWORTH, GAUT BENTY ROUTH A & D Environmental Servington, SC 29073	SCALE IN	17,42 EA FEE-H 0.00 YD YD SW-CC 1,00 ENVIE 1.00 FUEL	

The under agreed software, supposed the persons for the control occupies that be in the base to decrease the terms and conditions as the control of the control occupies the control of the control occupies the control of the control occupies S. (24 t 14 1-12)

CHECK

Poster company



2204081

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Gene	rator complet	es la-r))					
a. Generator's US EPA ID Number			Manifest Docu	nent Number	ent Number c. Page 1 of			
N/A d. Generator's Name and Location:				Ţ			1	
Rheem Manufacturing Co	mpany			e. Generator's Mailin	g Address: Onmental Service	ac 110		
139 Brampton Road				4943 Alistii	n Park Avenue	es, LLL		
Savannah, GA 31408 f. Phone:				Buford, GA	30518			
If owner of the generating facility differ	s from the gener	rator, pro	vide:	g. Phone:				
h. Owner's Name: i. Waste Profile #	k. Exp. Dat		I Masta Chin	i. Owner's Phone No				·
j. Waste Waste	K. EXP. Dat	Description Description		Waste Shipping Name and Description		tainers Type	n. Total Quantity	o. Unit Wt/Vol
				-	No.	1,750		1,,,,,,
31101420787			Non-Regu	lated Soil		mp		
					1	l in		Tons
							1	
			1		ļ			
							1	
					1			
OCNES ATOMO OCTOBER								
GENERATOR'S CERTIFICATION: I h state law, has been properly described	ereby certify that	t the abo	ove named mate	rial is not a hazardous	waste as define	d by 40 C	FR 261 or any	applicable
wasie is a lieauneiil lesique di a brevi	Dusiv resincieo i	าครหเสดแ	naidile aisem si	to the Land Dienseal E	Jackieliana La	wife and .		ns; AND, if this waste has
been treated in accordance with the re	quirements of 40	CFR 26	68 and is no long	ger a hazardous waste	as defined by 4	0 CFR 26	1.	
PAUL GAZZO		Jac	1 80 10/4	SAGENT FOR GENCE	easor\	1219	SIN	
p. Generator Authorized Agent Name	(Print)	q. Sig	gnatyre	J 4 0.011 0. 001-0-		r. Date		
II. TRANSPORTER (Ge	nerator comp	etes II	a-b and Trai	sporter completes	s lic-e)			
a. Transporter's Name and Address:	_							
1027 Bacon Road	$\Omega \omega$	-32						
Hinesville, GA 31313	8 N	52	_					
b. Phone: 912.412.2402	·	7. 8.						
M. Clarence Lilles	IX.	(anena	Little	17 17	19/14		
c. Driver Name (Print)	d.	Signatur		e. Date				
III. DESTINATION (Gene	rator comple	te Illa-c	and Destina	ition Site complete				····
a. Disposal Facility and Site Address:			c. US EPA Num			9:		
Savannah Regional Indu	striai Landfili	i						
84 Clifton Blvd	- .							
b. Port Wentworth, GA 3140								
I hereby certify that the above named	material has bee	n accept	ted and to the be	est of my knowledge the	e foregoing is tr	ue and ac	curate.	
I'MICILLY '			\sim	V -		2.	-9-1W	
e. Name of Authorized Agent (Print)		Signature			g. Date			
IV. ASBESTOS (Generat	or completes	IVa-f a	ind Operator	complete IVg-i)				
a. Operator's Name and Address:				c. Responsible Agenc	y Name and Ad	dress:		
b. Phone:	4444			d. Phone:			· · · · · · · · · · · · · · · · · · ·	
e. Special Handling Instructions and A	dditional Informa	ition:						
f. Friable Non-Friable B	oth	% Friabl	le	% Non-Friable				
OPERATOR'S CERTIFICATION: I her and are classified, packaged, marked	eby declare that and labeled/blac	ine cont arded. 21	ents of this cons nd are in all rest	signment are fully and a sects in proper condition	accurately description	ibed abov	e by the proper	r shipping nam
national governmental regulations.					w. sensport	iung	n abbitcable (U	DAN IBIIODEIIIO
								
g. Operator's Name and Title (Print)	h	Signatur	e		i. Date			
*Operator refers to the company which	owns, leases, o	perates,	controls, or sup	ervises the facility being	g demolished o	renovate	d, or the demol	ition or
renovation operation or both		·	•	•				

il bita to te

.

TARMANIHOATARA 001 TARMANIHOATARA 001 TARMANIHOATARA 113, 100 1	A.A. VA MEN	MAN WINE	1101420787	100014 A D Environmental St A A D Environmental St A A D Environmental St A A D Environmental St A B D Environmental St A B D Environmental St B D Environm
EM COUPTION FEE 5	19.04 EA FEE-HAIL/TRABE/TRUCK	TAKE WELL	CHOSS WEIGHT	100014 A A D Environmental Services, LLC A A D Environmental Services, LLC A A D Environmental Services, LLC
		- -	7A, 000 2A, 000	
·	CHATHAM COURTS 19531-01	CHALLEST LARROW WALLAND	ARPOTAN ABID BED ACTOR	Particular of the particular o
				<u>.</u>
. •			*	

Michelle d. 1276 198 Juneau 0404

11111

SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL LANDEILL SAVANNAH REGIONAL SAV

943300



2204082

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	or completes la-r)							
a. Generator's US EPA ID Number N/A	1	. Manifest Docur	ment Number		c. Page	1 of			
d. Generator's Name and Location: Rheem Manufacturing Comp 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:						
If owner of the generating facility differs f	rom the generator, pro	ovide:							
h. Owner's Name:		*	i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and		tainers	n. Total	o. Unit		
		Description		No.	Туре	Quantity	Wt/Vol		
31101420787		Non-Regu	izted Soil	Dump		Tons			
CENTRATORIO GERTIFICATION									
GENERATOR'S CERTIFICATION: I here state law, has been properly described, or waste is a treatment residue of a previous been treated in accordance with the requirement.	assmed and package slv restricted hazardou	d, and is in prop	er condition for transportation to the Land Disposal Posts	on accordin	g to applic	cable regulation	A AAID MALE		
YAUL GAZZO	ter	19101	AS Agent For boward	itoe)	12/9	lix			
p. Generator Authorized Agent Name (Pr		gnature	7		r. Date				
II. TRANSPORTER (Gene	erator completes I	<u>la-b and Trar</u>	nsporter completes lic-	e)					
a. Transpossic Neganand Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402 b. Phone:			701						
c. Driver Name (Print)	d. Signatur	Maria	hy_	e. Date	1914				
III. DESTINATION (Genera			tion Site completes III						
a. Disposal Facility and Site Address:		c. US EPA Num				-	·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·		
Savannah Regional Industri	iai Landfili			•					
84 Clifton Bivd Port Wentworth GA 31407	912.964.2812	(
I hereby certify that the above named ma	terial has been accept	ted and to the b	est of my knowledge the fore	egoing is tr	ue and ac	curate.			
L Y Y) CULL		1.1			1-	7-19-14	r		
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 Na	me and Ad	dress:				
b. Phone:			d. Phone:				··········		
e. Special Handling Instructions and Addi	itional Information:								
f. Friable Non-Friable Both		le	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereb and are classified, packaged, marked and national governmental regulations.	y declare that the cont d labeled/placarded, a	tents of this cons nd are in all resp	signment are fully and accur sects in proper condition for	ately descr transport a	ibed abov sccording	e by the proper to applicable int	shipping name ernational and		
									
g. Operator's Name and Title (Print)	h. Signatur	re		i. Date		·			
*Operator refers to the company which or renovation operation or both			ervises the facility being der		renovate	d, or the demoli	tion or		

CFLL CFLL	16.64	33, 280 INBOUND	RATE EXTENSION TAX	TENDERED
4-2812	S9, 920 NET TONS	26,640 NET WEIGHT	натнам с	
GIONAL LA IFTON BLVI A		TARE WEIGHT	HAUL/TRANS/TRUCK CONT SOIL IRONMENTAL FEE 5 I, RECOVERY FEE	
SAVANNAH RE 84 CL 84 CL PORT WENTWORTH, C 100014 A & D Environmental Sc 1741 Calks Ferry Rd.	31101420787	SCALE OUT	16.64 EA FE 20.00 YD 1.00 FU	

John Shel

plant in the first

The graphs council individual regions for any council, or any and inclination and that the include man word and understanding the terms and conditions of or an inclination and for inclination of the inclination.

CHECKS



2204083

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes in	a-r)						
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page 1 of			
N/A		i			C. Fage			
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	пу		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue					
f. Phone:			Buford, GA 3051 g. Phone:	i 8				
If owner of the generating facility differs fro	om the generator,	provide:	g. Filone.					
1		F						
h. Owner's Name: j. Waste Profile #	ti Cin Bala	1 . 141- A. Ohli	i. Owner's Phone No.:					
J. Waste Ffolia #	k. Exp. Date	I. Waste Ship Description	pping Name and		ntainers	n. Total	o. Unit	
		Description		No.	Туре	Quantity	Wt/Vol	
	i					ł		
31101420787	1	Non-Regu	ilated Soil	Di	тр		ĺ	
			1	<u></u>		Тт	one	
							T	
							l	
				1	1			
				 		 		
1					1			
				1	1			
GENERATOR'S CERTIFICATION: I herel	hy certify that the	shove named mate	rial ie not a hazardoue waet	a se define	- bu 40 C	50.004.00.00		
i state ign, figs been bluberry described. Cir	assineo ano nacka	acea anaicin coc	IGE CONdition for Ironenadalia	a caaaai'a				
i masic is a nearment lesture of a previous	IV resincieo nazan	TOUR WASTA SURE	I IO IDO I and Disposal Books	diama I aa			vaste has	
been treated in accordance with the requir	ements of 40 CFF	268 and is no long	ger a hazardous waste as dr	efined by 4	<u>0 ĆFR 26</u>	1		
YAUL GAZZO	1	will not	AS Agent For Gamer	Ator)	12/9,	1,0		
p. Generator Authorized Agent Name (Prin	ati a	. Signature	W) ABONI LOI DONOLE.	7		17		
II. TRANSPORTER (Gener					r. Date			
a. Transporter's Name and Address:	ator completes	S lla-v anu mai	isporter completes lic-	<u>e)</u>				
a. Transporter's Name and Address:								
1027 Bacon Road Hinesville, GA 31313		1 707						
1		bh 707						
		''''''						
X Kevin Burnes	$\mathbb{X} \ K$	1. 13. A. A.	. /	K 1219	114			
c. Driver Name (Print)/	d. Signa	ature	7	e. Date	1.1			
III. DESTINATION (Generate			ation Site completes III					
a. Disposal Facility and Site Address:		c. US EPA Num		•				
•	- · ·	G OU LEA ING	iber u. Discrepancy muice	mou obace	3:			
Savannah Regional Industria 84 Clifton Blvd) Landill							
Dort Wentworth (20 3NO7	912.964.2812	 						
I hereby certify that the above named mate		I the bu	201.05 === 1 = 5					
Thereby certain that the above manifest made	mai nas been acc	ebien sun ib me ne	ast or my knowledge the fore	going is th	ne and ac	curate.		
Much		ル シ	><	1 1	7.1	FI IILI		
e. Name of Authorized Agent (Print)	f. Signat			g. Date	-1			
IV. ASBESTOS (Generator of	completes IVa-	-f and Operator	complete IVg-i).			*****		
a. Operator's Name and Address:	, 11		c. Responsible Agency Nar	me and Ad	drees.			
·		}	or technicials rigotoy right	iio ailo na	21035.			
		1						
b. Phone:		1	a Mu					
e. Special Handling Instructions and Additi	ional Information:		d. Phone:					
or observe i retreating into account one i tour	ong mornage,							
f. Friable Non-Friable Both	% Fri	iable	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby	declare that the c	ontents of this cons	signment are fully and accum	ately descr	ibed abov	e by the proper s	shipping name	
and are classified, packaged, marked and national governmental regulations.	iabeleo/piacaroeo	, and are in all resp	sects in proper condition for	transport a	ccording t	o applicable inter	mational and	
Transport governmental regulations.								
				i				
g. Operator's Name and Title (Print)	h. Signa	iture		i. Date				
*Operator refers to the company which own	ns, leases, operat	es, controls, or supr	ervises the facility being den	nolished or	renovate	d, or the demolitiv	on or	

1741 Lexir	14 D Envi Calks	WENTWOR ironment; s Ferry I , SC 290	B4 CLII TH, GA al Ser	IONAL LAN FTON BLVD S vices, LL	012-964-2812		Michell OATE/TIME H	943302 le J. 2014 1:3	2 pm 12	19-1 (Месо ОТ 19-2014 VIAINER	1:32 pm
1	SCALE SCALE	IN OUT		S WEIGHT E WEIGHT	59,760 22,080			18.84 37,680		INBOUND	**************************************
οτγ.	UNIT				PESCRIPTION			RATE	EXTENSION	TAX	TOTAL
18.84	:	FEE-HAUI	L/TRANS	S/TRUCK	СНАТНАМ	COUNTY	REGION				
20.00 18.84 1.00 1.00	TN	SW-CONT ENVIRONN FUEL REC	MENTAL		СНАТНАМ	COUNTY	REGION				
	;									İ	
								£ •		4	NET AMOUNT
										-	TENDERED
		Herono Catalia		and the state of	1 40 1 1 400 VIV. CI	at tall to	e de está mar	revision to the pe	ges and condition	.	CHANGE
•••											



2204084

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-r	· ·							
a. Generator's US EPA ID Number N/A		. Manifest Docui	ment Number		c. Page	e 1 of			
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	eny		e. Generator's Mailing Address: AAD Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518						
f. Phone: If owner of the generating facility differs fr	om the generator or	wide:	g. Phone:						
h. Owner's Name:	om me generator, pro	ovide.							
i. Waste Profile #	k. Exp. Date	I 1 Masta Chia	i. Owner's Phone No.:						
, receive the management of th	k. Exp. Date	Description	ping Name and	M. Co	ntainers Type	n. Total Quantity	o. Unit Wt/Vol		
31101420787		Non-Regu	lated Soil	Di	тшь				
		 		'		ļ	Tons		
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl. waste is a treatment residue of a previous	by certify that the abo	ove named mater	rial is not a hazardous wa	ste as define	d by 40 C	FR 261 or any	applicable		
waste is a treatment residue of a previous	ly restricted hazardou	is waste subject	to the Land Disposal Res	ition accordin itrictions. I ce	ig to appli etify and v	cable regulation	s; AND, if this		
PavL G AZZO	rements of 40 CFB-2	68 and is no long	per a nazardous waste as	defined by 4	0 CFR 26	1.	wasta nas		
p. Generator Authorized Agent Name (Prin	nt) a. Sie	gnature	1) (As Agail For ben	ceative)	12/9	//y			
II. TRANSPORTER (General			sporter completes II	C-0)	r. Date				
a. Transportation National Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	BN	-W mar		h./ .:	, ,				
X Bank under immy	X Cy	mell	wer.	<u> </u>	7/9/1	Y			
c. Driver Name (Print) III. DESTINATION (Generate	d. Signatur		Ninn O'l	e. Date					
III. DESTINATION (Generate a. Disposal Facility and Site Address:		c. US EPA Num			·				
Savannah Regional Industria 64 Ciffon Bivd Port Wentworth, GA 31407 b. I hereby certify that the above named mate	912.954.2812			·					
The second state are desired management	anai nas osen accept	ed and to the be	st of my knowledge the fo	regoing is to	ue and ac				
e. Name of Authorized Agent (Print)	f. Signature	_A			1)!	P9114			
IV. ASBESTOS (Generator o			complete (1/a t)	g. Date	' 				
a. Operator's Name and Address:	completes 14a-1 a		c. Responsible Agency N	lame and Ad	dress:		· · · · · · · · · · · · · · · · · · ·		
b. Phone:			d. Phone:						
e. Special Handling Instructions and Additi	onal Information:					······································			
f. Friable Non-Friable Both	% Friable	Α	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the contr	ents of this consi	roment are fully and see	urately descri or transport a	bed above ccording t	e by the proper o applicable int	shipping name emational and		
g. Operator's Name and Title (Print)	h. Signature	9		i. Date					
*Operator refers to the company which own renovation operation or both	ns, leases, operates,	controls, or supe	rvises the facility being de	emolished or	renovated	d, or the demoli	tion or		

1:36 pm IMMINE patrama out IIII a dalli. H. Brayetthe ź the transfer 1: st. 1m 943304 17.86 35, 720 Michelle J. 1:416 12-09-2014 2204085 PN-32 Section 25 CHATHAM COUNTY REGION CHATHAM COUNTY RECTON NET TONS NET WEIGHT Class Inc. In 39,720 24,000 SAVANNAH REGIONAL LAHRETTA. A & D Environmental Services, LL.
Lexington, SC 29073 84 CLIFTON HAND GROSS WEIGHT TARE WEIGHT EA FEE-HAUL/TRANS/TRUCK ENVIRONMENTAL FEE 5 PORT WENTWORTH, GA FUEL RECOVERY FEE SW-CONT SOIL SCALE IN eras. 100014 2 17.86 000 -17.86 1.00 1.00

THE SET IN St. P. Carp.

CHICKE



2204085

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

-
22
75
••

I. GENERATUR (Generate	or complete	es la-r)									
a. Generator's US EPA ID Number	•	b.	Manifest Docur	ment Number	· · · · · · · · · · · · · · · · · · ·	c. Page	1 of				
N/A							1				
d. Generator's Name and Location: Rheem Manufacturing Compa				e. Generator's Mailing Ad	dress:						
139 Brampton Road	nı y			A&D Environme		es, LLC					
Savannah, GA 31408				4943 Austin Park Avenue							
f. Phone:				Buford, GA 3051 g. Phone:	10						
If owner of the generating facility differs for	om the gener	ator, prov	vide:	<u> </u>				·			
1	•			l							
h. Owner's Name:			·	i. Owner's Phone No.:							
j. Waste Profile #	k. Exp. Date	e		hipping Name and m. Containers n. Total o. Unit							
			Description		No.	Туре	Quantity	Wt/Vol			
31101420787			Non-Regu	ated Soll	D:	mp					
				1	1	[" "	1 70	one			
							†				
					ļ						
					1	1					
				·	 						
]				
					i	Ì	1	1			
						1					
GENERATOR'S CERTIFICATION: I here	by certify that	t the above	ve named mate	rial is not a hazardous wast	e as define	d by 40 C	FR 261 or any ap	plicable			
state law, has been properly described, ci	assified and p	packaged	I, and is in prop	er condition for transportation	on accordin	g to appli	cable regulations;	AND, if this			
waste is a treatment residue of a previous been treated in accordance with the requi	rements of 40	iazardou: i CFR 26	s waste subject ik and is no lon	. 10 liie Land Disposal Kesin Per a bazarious waste as d	ictions. I ce	rtify and v	varrant that the w	aste has			
li) ı –	011101110 01 40					,	' <u>1.</u>				
YAULGAZZO		Ma	el Gen	10 AS Agent For Gow	cantoe	12/9	l _l y				
p. Generator Authorized Agent Name (Pri	nt)	/q. Sig	nature			r. Date					
II. TRANSPORTER (Gene	rator comp	letes II	a-b and Trai	sporter completes ilc-	.e)						
a. Transporter's Name and Address:					<u> </u>	·-·-					
1027 Bacon Road			1.1	1							
Hinesville, GA 31313		,	KN -3	L							
b. Phone: 912.412.2402											
D. Filotie.	15.2	Λ Λ		1.10	17	- 1					
L'arene Litter	IX.	Ula	rence ?	ال <i>ال</i> 11 ال	KV	19/14					
c. Driver Name (Print)	d.	Signature			e. Date	1		·			
III. DESTINATION (General	or comple	e Illa-c	and Destina	ation Site completes III							
a. Disposal Facility and Site Address:	or comple		c. US EPA Nun		0,						
		'	C. 03 EFA 14011	d. Discrepancy indic	auon Spac	5 .					
Savannah Regional Industria 84 Clifton Bird	al Landnii	- 1									
Port Wentworth, GA 31407	912.964.2	912		,							
1 0.											
I hereby certify that the above named mat	erial has bee	n accepte	ed and to the be	est of my knøwledge the for	egoing is tr	ue and ac	curate.				
1 WALL				200	1 15	, 19	1/1Ci				
e. Name of Authorized Agent (Print)	- 115	Signature	1/2	\leftarrow	g. Date	- / - k	/ / /				
IV. ASBESTOS (Generator				complete Wa i)	1 H. Dato	-/- (
	Completes	174-14	na Operator	<u></u>							
a. Operator's Name and Address:				c. Responsible Agency Na	ime and Ad	icress:					
1			1								
b. Phone:				d. Phone:							
e. Special Handling Instructions and Addit	tional Informa	ition:									
f. ☐ Friable ☐ Non-Friable ☐ Both		% Friable	<u> </u>	% Non-Friable							
OPERATOR'S CERTIFICATION: I hereby	declare that				rately desc	ribed show	e by the nmner s	hipping name			
and are classified, packaged, marked and	l labeled/plac	arded. ar	nd are in all resi	pects in proper condition for	transport	accordina	to applicable inte	mational and			
national governmental regulations.											
					1						
a Constant Name and Title (Table)		C!===1			 						
g. Operator's Name and Title (Print) "Operator refers to the company which ow		Signature		anciene the facility being do	i. Date	rone	d or the demotiti				
renovation operation or both	riis, I u dsus, U	hai aras'	congois, or sup	eraises ma racintà nami dei	munarieu D	. removate	o, or the demolitic	JII UI			

REV 01/14

Then differential all their TO 91 FARE HALL TRANSFERMING A & D Environmental III ('Alks Ferry Rd. Services, Lac. 29073 And Arteger FRITT REPOYMERY FREE EM TROMMENTAL FEE S SAVANNAH REGIONAL LANDEILL
84 CLIFTON BLVD
912-964-1811 GROSS WETCHY TARE WELLING State Bare Lang The state of the s To the THATHAM AND THE TANK ## 1 ## 1.55g The second Of the Office of Start of the Office of the I'm Marter. J. HAIR Maleryates The state of the s 47.0 mg the state that is jon 1



2204086

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes	Іа-г)							
a. Generator's US EPA ID Number N/A		b. Manifest Docur	nent Number		c. Page	1 of 1			
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	any		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:						
If owner of the generating facility differs fr	om the generator	r, provide:				***			
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	pping Name and	m. Con No.		o. Unit			
		Doscription	***************************************	140.	Туре	Quantity	Wt/Vol		
31101420787		Non-Regu	nlated Soll	Dı	m p	Т	ons		
					}				
GENERATOR'S CERTIFICATION	hu nordiff, short st	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	dal ia nat a bassaria	1	d bo . 40 C	ED oet			
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous been treated in accordance with the requ	lassified and pack sly restricted haza	kaged, and is in prop ardous waste subject	per condition for transportation to the Land Disposal Restri	en accordin actions. I ce	g to applicatify and v	cable regulations varrant that the v	; AND, if this		
PAUL GAZZO		Palga	AS A gent File Conce	ator	12/9/	· ·			
p. Generator Authorized Agent Name (Pr	int)	q. Signatur	Augustin	*	r. Date				
II. TRANSPORTER (Gene	erator complet	es Ila-b and Tra	nsporter completes lic-	-e)					
a. Transportegia Nazzanand Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402	BN.	-22							
C. Driver Name (Print)	A Sig	SMOLOL nature	Xittin	E 17	19/14				
III. DESTINATION (Genera			ation Site completes III						
a. Disposal Facility and Site Address:		c. US EPA Nur			B:				
Savarnah Regional Industr 84 Clifton Bivd Port Wentworth, GA 31497- b.		1)	,				
I hereby certify that the above named ma	iterial has been a	ccepted and to the b	est of my knowledge the for	egoing is tr	ue and ac	curate.			
Miller			W >		12	- 19-	14		
e. Name of Authorized Agent (Print)	f. Sign			g. Date	t				
IV. ASBESTOS (Generator	completes IV	a-f and Operator							
a. Operator's Name and Address:			c. Responsible Agency Na	eme and Ad	ldress:				
b. Phone:			d. Phone:						
e. Special Handling Instructions and Add	litional Information	n:							
f. ☐ Friable ☐ Non-Friable ☐ Bott OPERATOR'S CERTIFICATION: I hereb	ov declare that the	Friable contents of this cor	% Non-Friable	rately desc	ribed abo	ve by the proper	shipping name		
and are classified, packaged, marked an national governmental regulations.	a labeled/placard	ied, and are in all res	specis in proper condition to	i dansport	scoreing	to applicable int	emanuma am		
g. Operator's Name and Title (Print) *Operator refers to the company which o	h. Sig	nature rates, controls, or su	pervises the facility being de	i. Date molished o	r renovati	ed, or the demoli	tion or		
renovation operation or both									

On the content of the first of the content of the c			G	100014 A & D Environmental Services, LLC A & D Environmental Services, LLC A & D Environmental Services, LLC A & D Environmental Services, LLC	SAVANNAH REGIONAL LA 84 CLIFTON BLVI PORT WENTWORTH, GA
the reads to the expression of the control of the highest the control of the cont		CHATHAM COUNTY REGION CHATHAM COUNTY REGION	61,400 NET TONS 19.66 22,080 NET WEIGHT 39,320	BN-20 INFERENCE 2204087	9433 01 9433 weichmassen Michelle J. 4-2812 Michelle J. 12-09-2014
CHECKS CHECKS	HET AMOUNT		19.66 JNBOUND TAX TOTAL	INVOLCE	24 DATE/IME OUT 2:32 DM 12-9-2014 2:32 DM CONTAINEN



2204087

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes la								
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	c. Page 1 of			
N/A d. Generator's Name and Location:		<u> </u>	A Generator's Mailing Ad		<u> </u>	1			
Rheem Manufacturing Compa	iny		e. Generator's Mailing Address: A&D Environmental Services, LLC						
139 Brampton Road Savannah, GA 31408			4943 Austin Park Avenue						
f. Phone:			Buford, GA 3051 g. Phone:	8					
If owner of the generating facility differs for	om the generator,	provide:							
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date		ping Name and	m. Con	tainers	n. Total	o. Unit		
		Description		No.	Туре	Quantity	₩t/Vol		
31101420787		Non-Regu	lated Soil	Di	mp				
				-		Tons			
	1								
***************************************						 	<u>- </u>		
	1								
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous waste	as define	d by 40 C	FR 261 or any ar	pplicable		
state law, has been properly described, clawaste is a treatment residue of a previous	iv restricted hazar	rdous waste subject	to the Land Dienneal Rectri	ctione I ac	Hife and w	sames that the	AND, if this		
been treated in accordance with the requir	rements of 40 CFf	R 268 and is no lon	ger a hazardous waste as de	efined by 4	0 CFR 26	7arrant that the w 1.	asie nas		
PAV GAZZO		Val Base	As osent for bonce	1400	12.10	lev			
p. Generator Authorized Agent Name (Prin	nt) 6	. Signatuge	A A) a) co. 1- conce	* POE	r. Date	7			
II. TRANSPORTER (Gener			sporter completes IIc-	e)	i. Date				
a. Transporter's Name and Address:			John State Completed to	<u> </u>					
1027 Bacon Road	ť	34-70							
Hinesville, GA 31313	•	DIA O							
b. Phone: 912.412.2402									
LOCAPUNSERUIC	od X	much		XI	19/14				
c. Driver Name (Print)	d. Sign	ature		e. Date	<u> </u>				
III. DESTINATION (Generate	or complete III	la-c and Destina	ation Site completes III	d-g)					
a. Disposal Facility and Site Address:		c. US EPA Num	nber d. Discrepancy Indica	stion Space	9:				
Savannah Regional Industria	al Landfill								
84 Clifton Bivd Port Wentworth, GA 31407	912,964,2812								
I hereby certify that the above named mate	. I	conted and to the hi	not of my knowledge the fac						
Thereby setuly that the above familes made	Cital rias been acc	Cepted and to the bi	Knowledge the fore						
		<u> </u>			<u>ナ・1</u>	9.1			
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator)	f. Signa			g. Date			~~		
	zompietes iva	- and Operator			<u> </u>				
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	dress:				
		Ì							
b. Phone:			d. Phone:						
e. Special Handling Instructions and Addit	ional Information:		G. 1 110116.						
· •									
f. ☐ Friable ☐ Non-Friable ☐ Both	% F	riable	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby	declare that the	contents of this cons	signment are fully and accur-	ately descr	ibed abov	e by the proper s	shipping name		
and are classified, packaged, marked and national governmental regulations.	labeled/placarded	d, and are in all resp	pects in proper condition for	transport a	ccording	to applicable inter	mational and		
The governmental regulations.									
0				1 00010					
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Sign	iature ites, controls, or sun	ervises the facility being der	i. Date notished or	renovate	d, or the demolitic	on or		
renovation operation or both	,,	,, oup				_,			

	20.00 19.46 1.00 1.00	.46	orv.	Š.	A & D Environment of the Environ	CUSTOMER 100014		
	T Y D	Eλ		SCALE IN	ton,	ORT		
	SW-CONT SOIL ENVIRONMENTA FUEL RECOVER	FEE-HAUL/TRANS/TRUCK		TNOUT	1741 Calks Ferry Rd. Lexington, SC 29073 31101420787	SAVANNAH REGI 84 CLIF PORT WENTWORTH, GA		
	SW-CONT SOIL ENVIRONMENTAL FEE FUEL RECOVERY FEE	/TRANS/1		GROSS I	73	NAH REGIONAL LAN 84 CLIFTON BLVD RTH, GA		
	EE 5		30	ROSS WEIGHT		SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD JENTWORTH, GA 912-96		
	СНАТНАР	CHATHA		CHATHAN	DESCRIPTION	62,920 24,000	:	LANDFILL 912-964-2812
	CHATHAM COUNTY REGION	CHATHAM COUNTY REGION	!	NET TONS	जिल्ला क	DSH SK S		
	EGION	EGION	-	GHT"	REFERENCE 2204088 BILL OF LADING	01 943325 WHICHMASTER Michelle J. DAIFTIME R. 12-09-2014 2: VEHICLE RN-701		
			RATE	19.46 38,920		94 <u>3325</u> J. 2:36		
•			EXTENSION	1		nid.		
				UNBOUND	INVOICE	E OUT 2014		
NET AMOUNT				TOTAL)ICE	2:36 pm		

tare year estate estate to a send conditiones

TEMBENED

CHECKS



2204088

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number NAM d. Generator's Name and Location Saraman, Qa 31408 l. Phone: I Phone I Number of the generating Scrilly differs from the generator, provide: I Phone I Owner's Phone No.: J Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Owner's Phone No.: J Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Phone I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste Profile # No. Profile I Weste P	I. GENERATOR (Generat	or completes la-r)							
G. Generator's Name, and Location: Reterm Maurifacturing cempany 138 Brampton Road Strampton Roa	a. Generator's US EPA ID Number			ment Number		c. Page	1 of			
Phone: Ruffer R	d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	any		e. Generator's Mailing Address: A&D Environmental Services, LLC						
## Content of the generating facility differs from the generator, provide:	·									
Nower's Name: Waste Profile # K. Exp. Date L. Weste Shipping Name and m. Containers n. Total o. Unit work n. m. m. m. m. m. m. m.		rom the generator, pri	ovide:	g. Phone:						
Waste Profile # K. Exp. Dete L Weste Shipping Name and m. Containers n. Total O. Unit WWVol		3 , p								
Description No. Type Quantity Non-Regulated Soil Dump Tots Description Non-Regulated Soil Dump Tots Description Non-Regulated Soil Dump Tots Description Non-Regulated Soil Dump Tots Description Doump Tots Description Non-Regulated Soil Dump Tots Description Doump Tots Description Doump Tots Description Doump Tots Description Doump Tots Description Doump Tots Description Doump Tots Description Doump Tots Description Doump Tots Description Doump Tots Description Doump Tots Description Doump Tots Doump		k. Exp. Date	I. Waste Shir	i. Owner's Phone No.:	m Co	ntoinore	a Tatal	I - 11-14		
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, desiriled and packaged, and is in proper condition for transportation accordance or previously resisted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been resided in accordance with the requirements of 40 CFR 261 or any applicable reputations; AND, if this been resided in accordance with the requirements of 40 CFR 261 or any applicable in the content of the content of the content of the content of the content of this consignment are fully and accurately described above by the proper shipping name and and contents of this consignment are fully and accurately described above by the proper shipping name and an objective to the contents of this consignment are fully and accurately described above by the proper shipping name and an objective to the contents of this consignment are fully and accurately described above by the proper shipping name and an objective to the contents of this consignment are fully and accurately described above by the proper shipping name and an objective to the contents of this consignment are fully and accurately described above by the proper shipping name and an objective to the company which owns, less specials controls or supervises the facility being despoted or the deposition or contents of this consignment are fully and accurately described above by the proper shipping name and an objective to the company which owns, less specials controls or supervises the facility being demandation or reproved to the deposition or contents of this consignment are fully and accurately described above by the proper shipping name and an objective to the company which owns, less specials controls or supervises the facility being demandation or the facility being demandation or reproved to the company which owns, less specials controls or supervises the facility being de				pulg Healto alto						
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been propenly described, classified and packaged, and is in proper condition for transportation according to applicable regulations: AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been breated in accordance with the requirements of 40 CFR 261 or any applicable regulations: AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been breated in a hazardous waste as defined by 40 CFR 261 or any applicable regulations. AND, if this waste is a treatment restricted hazardous waste as defined by 40 CFR 261 or any applicable regulations. AND, if this waste is a treatment restricted hazardous waste as defined by 40 CFR 261 or any applicable regulations. AND, if this waste has been been been above the Land Disposal Far hazardous waste as defined by 40 CFR 261 or any applicable regulations. AND, if this waste has been been been allowed by the hazardous waste as defined by 40 CFR 261 or any applicable regulations. AND, if this waste has the hazardous waste as defined by 40 CFR 261 or any applicable regulations. AND, if this waste has the hazardous waste as defined by 40 CFR 261 or any applicable regulations. AND of the Land Disposal Far hazardous waste as defined by 40 CFR 261 or any applicable regulations. AND of the Land Disposal Far hazardous waste as defined by 40 CFR 261 or any applicable on any applicable of the Land Disposal Far hazardous waste as defined by 40 CFR 261 or any applicable on any applicable on a hazardous waste as defined by 40 CFR 261 or any applicable on any applicable on a part and applicable on a part and applicable internations and applicable international and necessition of the departition of the departition of	31101420787		Non-Regu		٥	цтр		Tons		
a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFP.283 and is no longer a hazardous waste as defined by 40 CFP.281. ANU GP 220 P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. ASBESTOS (Generator completes IVa-f and Operator complete IVg-f) Q. Date Q. Date P. Phone: Q. Date Non-Friable Both % Friable Non-Friable Non-Friable Doth % Friable Non-Friable Doth % Friable Signature Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D. Date D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D.				•	 	 	 			
a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFP.283 and is no longer a hazardous waste as defined by 40 CFP.281. ANU GP 220 P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. ASBESTOS (Generator completes IVa-f and Operator complete IVg-f) Q. Date Q. Date P. Phone: Q. Date Non-Friable Both % Friable Non-Friable Non-Friable Doth % Friable Non-Friable Doth % Friable Signature Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D. Date D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D.										
a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFP.283 and is no longer a hazardous waste as defined by 40 CFP.281. ANU GP 220 P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. ASBESTOS (Generator completes IVa-f and Operator complete IVg-f) Q. Date Q. Date P. Phone: Q. Date Non-Friable Both % Friable Non-Friable Non-Friable Doth % Friable Non-Friable Doth % Friable Signature Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D. Date D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D.										
a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFP.283 and is no longer a hazardous waste as defined by 40 CFP.281. ANU GP 220 P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. ASBESTOS (Generator completes IVa-f and Operator complete IVg-f) Q. Date Q. Date P. Phone: Q. Date Non-Friable Both % Friable Non-Friable Non-Friable Doth % Friable Non-Friable Doth % Friable Signature Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D. Date D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D.							<u> </u>			
a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFP.283 and is no longer a hazardous waste as defined by 40 CFP.281. ANU GP 220 P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. ASBESTOS (Generator completes IVa-f and Operator complete IVg-f) Q. Date Q. Date P. Phone: Q. Date Non-Friable Both % Friable Non-Friable Non-Friable Doth % Friable Non-Friable Doth % Friable Signature Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D. Date D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D.			1		1	}]			
a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFP.283 and is no longer a hazardous waste as defined by 40 CFP.281. ANU GP 220 P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent Name (Print) Q. Signature P. Generator Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. Name of Authorized Agent (Print) Q. Signature P. ASBESTOS (Generator completes IVa-f and Operator complete IVg-f) Q. Date Q. Date P. Phone: Q. Date Non-Friable Both % Friable Non-Friable Non-Friable Doth % Friable Non-Friable Doth % Friable Signature Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Signature D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D. Date D. Date Q. Operator's Name and Title (Print) D. Signature D. Date D.	GENERATOR'S CERTIFICATION: I have	bu andifu that the ab-	<u> </u>	2-11-		<u></u>				
been treated in accordance with the requirements of 40 CFR_283 and is no longer a hazardous waste as defined by 40 CFR_281. ANL GRZZO Comment Grant Gr	t alere iew. Has been blubeny describen ei	iassinen ann nackane	ארת הו או אחב הו	Of condition for bronce-a-a		·				
p. Generator Authorized Agent Name (Print) I. TRANSPORTER (Generator completes Ila-5 and Transporter completes Ila-6) a. Transporter (Agent Name) a. Transporter (Agent Name) a. Transporter (Agent Name) b. Phage: 12. 12. 12. 12. 12. 12. 12. 12. 12. 12.	Langue is a neglingill lesidic of a Bleading	SV resumen nazamos	maine alekw ell	IN IDO I ODD Diceased Dack	delicas Is			waste has		
P. Generator Authorized Agent Name (Print) II. TRANSPORTER (Generator completes IIa-5 and Transporter completes IIc-6) a. Transposes Hampingh Address: 1027 Bacen Road Hineerille, GA 31313 b. Phone: c. Driver Name (Print) d. Signature c. Date III. DÉSTINATION (Generator complete IIIa-6 and Destination Site completes IIId-g) a. Disposal Facility and Site Address: c. US EPA Number d. Discrepancy indication Space: savannan Regional Industrial Landhii 34 Citting Bird b. Phone: e. Name of Authorized Agent (Print) J. Signature c. US EPA Number d. Discrepancy Indication Space: savannan Regional Industrial Landhii 34 Citting Bird b. Phone: e. Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: I. Frieble Non-Friable Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. p. Operator's Name and Title (Print) h. Signature G. Operator's Name and Title (Print) h. Signature J. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demailshed or recreated or the demailition or Coperator refers to the company which owns, leases, operates, controls, or supervises the facility being demailshed or recreated or the demailition or Coperator refers to the company which owns, leases, operates, controls, or supervises the facility being demailshed or recreated or the demailition or company which owns, leases, operates, controls, or supervises the facility being demailshed or recreated or the demailition or company which owns.	Day! Guzza	Tements of 40 CFR 2	po and is no long	/						
II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) a. Transporters (Appendix Appendix Address: 1027 Bacen Road Hilberville, GA 31313 b. Phoge: III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g) a. Disposal Facility and Site Address: Sav annah Regional Industrial Landfill 84 c Etting Rivd b. Port Wentworth, GA 31407 912/364.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. I. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Additional Information: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: D. Phone: e. Special Handling Instructions and Additional Information: C. Responsible Agency Name and Address: D. Phone: e. Special Handling Instructions and Additional Information: DESTINATION (Friable Both Seriable Short-Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. D. Date Operator's Name and Title (Print) In Signature In Date Operator Remains of the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered or the demolished or recovered o	The state of the s									
a. Transpoers Name and Address: 1027 Bason Read Hilberville, GA 31313 b. Phone: a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill B. A C Into Find B. Disposal Facility and Site Address: Savannah Regional Industrial Landfill B. C IN Sepancy Indication Space: Savannah Regional Industrial Landfill B. Destrination (Generator complete Illa-C and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill B. C IN Sepancy Indication Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Destrination Space: Savannah Regional Industrial Landfill B. Signature Operator's Name and Address: C. Destrination Space: Savannah Regional Industrial Landfill B. Date Operator's Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: D. Phone: Savannah Regional Industrial Landfill B. Signature C. Destrination Space: Savannah Regional Industrial Landfill B. Signature C. US EPA Number of Discrepancy Industrial Landfill B. Date C. Destrination Space: Savannah Regional Industrial Landfill B. Date C. Destrination Space: Savannah Regional Industrial Landfill B. Date C. Destrination Space: Savannah Regional Industrial Landfill B. Date C. Destrination Space: Savannah Regional Industrial Landfill B. Date C. Date C. Date						r. Date				
1027 Bacon Road Hilleoville, GA 31313 b. Phage: C. Driver Namy (Print) d. Signature e. Date III. DESTINATION (Generator complete Illa-C and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 34 Cittor filind Port Wentworth, GA 31407 912964.2812 b. Phone: e. Name of Authorizad Agent (Print) I. Signature c. US EPA Numbey d. Discrepancy Indication Space: Savannah Regional Industrial Landfill 34 Cittor filind Port Wentworth, GA 31407 912964.2812 b. Hereby certify that the above named material has been accepted and to the best of my browledge the foregoing is true and accurate. V. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Additional Information: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f Prinable Non-Friable Both Seriable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in 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's Name and Title (Print) h. Signature Operator's Name and Title (Print) h. Signature Operator's Name and Title (Print) h. Signature Operator's Name and Title (Print) h. Signature Operator's Name and Title (Print) h. Signature	a. Transporter Name and Address:	iator completes i	iia-b and Trai	isporter completes lic	-e)					
b. Phoge: 912.412.2402 C. Driver Namy (Print) d. Signature e. Date III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 34 Cliting fill d b. Port Wentworth, GA 31407 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: L. Friable Non-Friable Both Friable Mon-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. h. Signature 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 reprovated or the demolished or reprovated o	1027 Bacon Road	0								
C. Driver Name (Print) DESTINATION (Generator complete Illac and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill b. Port Wentworth, GA 31407 912/964-2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. I. Hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Mon-Friable Operator State and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature J. J. J. J. J. J. J. J. J. J. J. J. J. J		121170	~ 1							
C. Driver Name (Print) d. Signature e. Date III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill B. C. US EPA Number d. Discrepancy Indication Space: Savannah Regional Industrial Landfill b. Port Wentworth, GA 31407 912:964.2812 I hereby certify that the above named material has been accepted and to the best of my browledge the foregoing is true and accurate. I hereby certify that the above named material has been accepted and to the best of my browledge the foregoing is true and accurate. I hereby certify that the above named material has been accepted and to the best of my browledge the foregoing is true and accurate. IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Non-Friable Operator Sertification. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. 9. Operator's Name and Title (Print) h. Signature 1. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or represented or the demolition or supervises the facility being demolished or represented or the demolition or supervises the facility being demolished or represented or the demolition or supervises the facility being demolished or represented or the demolition or supervises the facility being demolished or represented or the demolition or supervises the facility being demolished or represented or the demolition or supervises the facility being demolished or represented or the demolition or supervises the	b. Phone: 912.412.2412	0/0/		2/						
III. DÉSTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill b. Port Wentworth, GA 31407 912/964-2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) 1. Signature e. Name of Authorized Agent (Print) 1. 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: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Won-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature 1. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or represent or the demolition or the company which owns, leases, operates, controls, or supervises the facility being demolished or represent or the demolition or the company which owns, leases, operates, controls, or supervises the facility being demolished or represent or the demolition or the demolitic or the demolition or the demolition or the demolition or the demolition or the demolition or the demolition or the demolit	c. Driver Name (Print)	1 2/1	ch to	rely	10	9/14	,			
a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Ciffing Bind Port Wernworth, GA 31407 912/964.2612 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature g. Date IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. US EPA Number d. Discrepancy Indication Space: 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: d. Phone: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. h. Signature I. Date Operator's Name and Title (Print) h. Signature I. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demailshed or pergovated or the demolition or supervises the facility being demailshed or pergovated or the demolition or supervises the facility being demailshed or pergovated or the demolition or supervises the facility being demailshed or pergovated or the demolition or supervises the facility being demailshed or pergovated or the demolition or supervises the facility being demailshed or pergovated or the demolition or supervises the facility being demailshed or pergovated or the demolition or supervises the facility being demailshed or pergovated or the demolitical or supervises the facility being demailshed or pergovated or the demail of the demail of the demail of the demail of the demail of the demail of the demail of the demail of the demail of				tion Site completes II	e. Date					
Savannah Regional Industrial Landfill 84 Citting Fibr. b. Port Wentworth, GA 31407 912964.2812 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 IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	a. Disposal Facility and Site Address:					ο.				
Bt Cittor Bird Dent Wentworth, GA 31407 912/964-2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) I. 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: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Whon-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or provided or the demolition or	Savannah Regional Industri	ai Landfili /		J. J. J. S. S. J. S. S. S. S. S. S. S. S. S. S. S. S. S.	· · ·	G.				
i. hereby certify that the above 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: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Friable Non-Friable Non-Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date 'Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or proposited by the demolished or proposited	84 Ciffor Bivd)						
e. Name of Authorized Agent (Print)f. Signature	[_ U .									
IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	Thereby certify that the above named mai	enal has been accept	ted and to the be	est of my knowledge the for	egoing is t	rue and ac	curate.			
IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both						/ L ·/	9/14			
a. Operator's Name and Address: b. Phone: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both					g. Date	/				
b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both		completes IVa-1 a	and Operator							
e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	a. Operator's Name and Address:			c. Responsible Agency Na	ime and Ad	ldress:				
e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both										
e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	b. Phone:			d. Phone:						
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or	e. Special Handling Instructions and Addit	ional Information:	·							
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or										
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 repoyated, or the demolition or		% Friab	le	% Non-Friable						
g. Operator's Name and Title (Print) h. Signature i. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or	UPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and	declare that the cont	tents of this cons	ignment are fully and accur	rately desc	ribed abov	e by the proper	shipping name		
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or	national governmental regulations.		a.c in all 169h		nansport i	according t	o shbiicadie iui	emadonal and		
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or										
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or	g. Operator's Name and Title (Print)	h. Signatur	re		i. Date					
renovation operation of both	*Operator refers to the company which ow renovation operation or both	ns, leases, operates,	controls, or supp	ervises the facility being de	molished o	renovated	d, or the demol	tion or		

The first state of the second for th	RECOVERY FEE 5	GROSS WEIGHT 6 TARE WEIGHT 6 CKING OTY ONT SOIL BOUMENTAL FEE	SAVANNAH REGIONAL LANDFILL 100014 A & D Environmental Services, LLC 1101420787 SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 912-964 1741 Calks Ferry Rd. 31101420787
medical design of the second d	CHATHAM COUNTY REGION EXTENSION	16.58 NET WEIGHT 37,160	-2812
HET AMOUNT. TENDERED CHANGE CHECKE	INBOUND TAX TOTAL	DIT TO THE OUT 12-9-2014 2:38 DIT CONTAINER 1NYOICE	CELL

Ster



2204089

If waste is asbestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes i		**************************************				
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number	T	c. Page	1 of	-
N/A d. Generator's Name and Location:			e. Generator's Mailing Add	denoc:		1	
Rheem Manufacturing Compa	IUA		ALD Environmen		6. LLC		
139 Brampton Road	•		4943 Austin Park	(Avenue			l
Savannah, GA 31408		i	Buford, GA 3051	8			ļ
f. Phone:			g. Phone:				
If owner of the generating facility differs fr	oin the generator	, provide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		ping Name and	m. Con		n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	lated Soli	Du	mp		
			1	<u> </u>	•	1	rons
				1			
							1
				1			
		(1
GENERATOR'S CERTIFICATION: I here	eby certify that the	e above named mate	rial is not a hazardous waste	e as define	d by 40 C	FR 261 or any	applicable
state law, has been properly described, o	lassified and pac	kaged, and is in prop	er condition for transportation	on according	g to appli	cable regulation	s; AND, if this
waste is a treatment residue of a previou	sly restricted haza	ardous waste subject	to the Land Disposal Restri	ictions. I ce	rtify and v	warrant that the	waste has
been treated in accordance with the requ	irements of 40 Cl	FH-268 and is no lon	ger a hazerdous waste as de	erined by 4		•	
PAVL GAZZO	14	Park host	HAS AG ENAFOR GENCI	entoe !	12.9.	צו!	
p. Generator Authorized Agent Name (Pr	rint)	q. Signature	() () () () () () () () () ()		r. Date		
II. TRANSPORTER (Gene			nsporter completes lic-	-e)			
	J. J.C. Joinpie		Completed No	<u> </u>			
a. Transporter's Name and Address:	_	.					
1027 Bacon Road Hinesville, GA 31313	I.	3N-702					
b. Phone: 912.412.2402	L)·U / -					
1/ 1/	11.7	1/1>		1/	101		
X Mai'n Prones	X	B Dun	11/	X 11	19/14		
c. Driver Name (Print)		nature 📆	V	e. Date	7-7		
III. DESTINATION (Genera	ator complete	lila-c and Destin	ation Site completes III	ld-g)			
a. Disposal Facility and Site Address:	1		mber d. Discrepancy Indic		∋ :		
Savannah Regional Industr	dat i andfill)	1		•			
84 Cilton Bivd		/	'				
b. Port Wentworth, GA 31407	912.964.2812	2				-	
I hereby certify that the above named ma	aterial has been a	ccepted and to the	est of my knowledge the for	regoing is tr	ue and a	ccurate.	
		1 A				~~	
	/ (6)=	notices V		g. Date		UI II	
e. Name of Authorized Agent (Print)		nature	r complete IV/a iV	I A. Dara			
IV. ASBESTOS (Generator	completes IV	a-i and Operator			1.4		
a. Operator's Name and Address:			c. Responsible Agency Na	ame and Ad	iaress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Add	ditional Informatio	n:					
1							
f. ☐ Friable ☐ Non-Friable ☐ Bot	th %	Friable	% Non-Friable				
CONTRACTOR OF DETICIONAL LACTOR	by declare that th	e contents of this cor	esignment are fully and accu	rately desc	ribed abo	ove by the prope	r shipping name
and are classified, packaged, marked at	nd labeled/placare	ded, and are in all res	spects in proper condition fo	r transport	according	to applicable in	iternational and
national governmental regulations.				1			
	ļ						
g. Operator's Name and Title (Print)	h. Si	gnature		i. Date			
*Operator refers to the company which	owns, leases, ope	erates, controls, or su	pervises the facility being de	emolished o	r renoval	ted, or the demo	lition or
repovation operation or both	•						

TICKET " 01 SAVANNAH REGIONAL LANDFILL WEIT HMASTER (wit DATE/TIME OUT Michelle J 84 CLIFTON BLVD 912-964-2812 12-9-2014 ONTENHAL HI PORT WENTWORTH, GA 12-09-2014 CONTAINER VEHICLE OUSTOMER BN-32 A & D Environmental Services, LLC PEFERENCE 2204091 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787 20.02 NET TONS INBOUND 40,040 64,040 GROSS WEIGHT NET WEIGHT TOTAL TAX 24,000 EXTENSION SCALE IN TARE WEIGHT HATE SCALE OUT DESCRIPTION CHATHAM COUNTY REGION UNIT FEE-HAUL/TRANS/TRUCK OTY. CHATHAM COUNTY REGION EA 20.02 0.00 ΥD SW-CONT SOIL ENVIRONMENTAL FEE 5 TN 20.02 FUEL RECOVERY FEE 1.00 1.00 NET AMOUNT TENDERED CHANGE CHI CK#



2204091

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number	or completes i	b. Manifest Docur	mont Number	·····			
N/A		b. marmest bocur	nent Antibet		c. Page	1 Of	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	iny		e. Generator's Mailing Ad A&D Environmen 4943 Austin Part Buford, GA 3051	ntal Service K Avenue	e, LLC		-
If owner of the generating facility differs for	om the generator	provide:	g. Phone:				
	o a.o goo.a.o.	, provido.					
h. Owner's Name: i. Waste Profile #	k. Exp. Date	I Wasta Shin	i. Owner's Phone No.: pring Name and	m. Cont	ninom	T = #-4-1	1
ji vidata i tama ii	n. Cxp. Date	Description	Programme and	No.	Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regu	lated Soil	Du	mp	,	rons
							1
GENERATOR'S CERTIFICATION: I here	by certify that the	shove named mate	rial is not a hazardous wast	o se dofine	hv 40 0	ED 264 as an an	andiachla.
state law, has been properly described, cl waste is a treatment residue of a previous	assified and pack by restricted haza	kaged, and is in prop urdous waste subject	er condition for transportation to the Land Disposal Restrict	on according	to application	cable regulations	AND if this
been treated in accordance with the requi	rements of 40 CF	268 and is no long	,	7.1			
HAUL GAZZO		Jail garra	185 Age A For Genee	entoe!	2.91	14	
p. Generator Authorized Agent Name (Pri	 	a. Signature			r. Date		
II. TRANSPORTER (Gene	rator complete	es lia-b and I rar	nsporter completes lic-	-e)			····
a. Transporter's Name and Address: Ban Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402) N- 32	? /					
X Clarence Little,	X C	larona -	Little	\times /	219/	iy	
c. Driver Name (Print)	d. Sigr			e. Date			
III. DESTINATION (General	or complete I				· · · · · · · · · · · · · · · · · · ·		
a. Disposal Facility and Site Address:	, , , , , ,	c. US EPA Num	iber d. Discrepancy Indic	ation Space	•		
Savannah Regional Industri 84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812						
b. I hereby certify that the above named materials	erial has been ac	cepted and to the bo	est of my Knowledge the for	eacina is tru	e and ac	curate.	
		17	S/CM 25	1	2 4	0111	
e. Name of Authorized Agent (Print)	f. Sign	ature		g. Date		4/17	
IV. ASBESTOS (Generator			complete IVa-i)	1 11			
a. Operator's Name and Address:			c. Responsible Agency Na	ime and Add	iress:		
		[
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addi	uonai iniomnailon						
f. Friable Non-Friable Both		riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the labeled/placarde	contents of this cone ed, and are in all res	signment are fully and accui pects in proper condition for	rately descri r transport a	bed abovecording	ve by the proper to applicable into	shipping name emational and
g. Operator's Name and Title (Print)	h. Sig	nature		i. Date			
*Operator refers to the company which over renovation operation or both	vns, leases, open	ates, controls, or sup	pervises the facility being de	molished or	renovate	ed, or the demoli	tion or

CHSTONER A & D Environmental Services, LLC 100014 31101420787 Lexington, SC 1741 Calks Ferry Rd. 20.00 22.23 SCALE IN PORT WENTWORTH, GA SW-CONT SOIL FEE-HAUL/TRANS/TRUCK ENVIRONMENTAL FEE 5 SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD FUEL RECOVERY FEE 29073 GROSS WEIGHT TARE WEIGHT 912-964-2812 DESCRIPTION 65,940 21,480 CHATHAM COUNTY REGION CHATHAM COUNTY REGION NET WEIGHT NET TONS Michelle J.
DATE-TIME IN
12-09-2014 BN-22 01 943 2204090 ... WEIGHMASTER 943328 44,460 HATE 2:42 pm 12-9-2014 DATE/TIME OUT INBOUND Æ INVOICE 2:42 pm NET AMOUNT TOTAL

CHANGE CHECKS

.

TENDERED



2204090

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)					
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ment Number		c. Page	1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	iny		e. Generator's Mailing Add A&D Environmen 4943 Austin Park Buford, GA 3051	к Амепие	s, LLC		
f. Phone: If owner of the generating facility differs from the generating facility d	om the generator	umvide:	g. Phone:				
	om me generator,	provide.					
h. Owner's Name: i. Waste Profile #	k. Exp. Date	I. Waste Ship	i. Owner's Phone No.: pping Name and	m. Con	tainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	WWol
31101420787		Non-Regu	lated Soil	Dı	тр	7	rons
·							
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	assified and pack ilv restricted hazai	aged, and is in prop rdous waste subject	er condition for transportation to the Land Disposal Restrict	n according	g to application	cable regulations	e AND if this
PAUL GAZZO	1	Jul Bar	olas agent for Gene		12/9/		
p. Generator Authorized Agent Name (Pri	nt) ka	. Signature	7(113.1300-1-10.1000		r. Date	·/	
II. TRANSPORTER (Gene	rator complete	es Ila-b and Trai	nsporter completes ilc-	e)			
a. Transporter & Name and Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		BN	22				
c. Driver Name (Print)	d. Sign	STO LOK	Killer	e. Date	9/14	1	
III. DESTINATION (General			ation-Site completes III				
a. Disposal Facility and Site Address:	1	c. US EPA Neff		<u></u>):	· ······	
Savannah Kegional Industri 84 Clifton Blvd Port Wentworth, GA 31407/	al Landiil 912.964.2812						
I hereby certify that the above named materials	terial has been ac	cepted and to the b	est of my knowledge the fore	egoing is tn	ue and ac	curate.	
(()		1			17	KILL	
e. Name of Authorized Agent (Print)	1-Signa			g. Date	1	1/17	
IV. ASBESTOS (Generator	completes IVa	-f and Operator					
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	dress:		
b. Phone:			d. Phone:			.,	
e. Special Handling Instructions and Addi	tional Information:						
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the	riable contents of this con d, and are in all res	% Non-Friable signment are fully and accur pects in proper condition for	rately descr transport a	ibed aboveccording	ve by the proper to applicable into	shipping name emational and
g. Operator's Name and Title (Print)	h. Sigr	nature		i. Date		d or the demoti	tion or
*Operator refers to the company which or renovation operation or both	vns, leases, opera	ates, controls, of suf	pervises the facility being del	TICHSNEO O	renovate	ru, or the demoti	

and 5238	пічолеж	TOTAL	NET AMOUNT	TENDERED	СНЕСКИ
1011 177-1701 1011		EXTENSION TAX			to true not confitum.
943343 e J.		1.3. 7.3 3.3, 5.00 ante			nd unicrotatel.
S E CEN	194-20 194-20 2010-014 2040-22 196-01-1990	OBO HET WEIGHT OBO CHATHAM COUNTY PEGION CHATHAM COUNTY PEGION	1		e con in one to holf of Cardennel of beneathedree, that to so she has read and under shorts due to remain and conditionally in only the true time time to be taken to the cardennel. Specifically in only the true time time time time time time time tim
NDFTLL 012-964-2812		61, 660 22, 080 DESCRIPTION CHATTE			el he hall of Casterner of he
OHMI. LA POIT BLVI	stowns 100014 A & D Environmental Services, 1147 1741 Calks Ferry Rd.	OUT TAIGE METCHT OUT TAIGE METCHT OUT TAIGE METCHT SALL FEE SALL FEE SERVISOUMENTAL FEE SERVIEL FEE SERVIEL FEE SERVIEL FEE SERVIEL FEE SERVIEL FEE SERVIEL FEE SERVIEL FEE SERVIEL FEE SERVIEL FEE SERVIEL FEE SERVIEL FEE			the professional amongston sections for a constitutible to the first the translation profession of the execution of the execu
SAVAHRIAH REFU BA CLUF ALL CALLE MENTWORTH, 150	ronmental S Ferry Rd. SC 29073	120787 CPOES CPO			designs of the control of the contro
a. Albania	custown 100014 A & D Environmental 1741 Calks Ferry Rd. 1741 Calks Ferry Rd.	31101420787 31101420787 31101420787 31711E 197 19.79 FA FE 19.79 TH EW 19.79 TH EW 19.79 FA			4. We



2204092

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-	r)					
a. Generator's US EPA iD Number b. Manifest Doce N/A			c. Page 1 of				
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	iny		e. Generator's Mailing Ad- A&D Environme 4943 Austin Par Buford, GA 3051 g. Phone:	k Avenue	es, LLC		-
If owner of the generating facility differs fr	om the generator, p	rovide:					
h. Owner's Name;			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Con	tainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	WtVol
31101420787		Non-Regu	iated Soli	DL	тр		Tons
OF SERVICION OF SERVICION AND ADDRESS OF SERVICION ADDRESS OF SERVICION AND ADDRESS OF SERVICION AND ADDRESS OF SERVICION AND ADDRESS OF SERVICION AND ADDRESS OF SERVICION AND ADDRESS OF SERVICION AND ADDRESS OF SERVICION ADDRESS OF SERVICION ADDRESS OF SERVICION ADDRESS OF SERVICION ADDRESS OF SERVICION ADDRESS OF SERVICION ADDRESS OF SERVICION ADDRESS OF SERVICION ADDRESS OF SERVICION ADDRESS OF SERVICION ADDRESS OF							
GENERATOR'S CERTIFICATION: I here state law, has been properly described, contact waste is a treatment residue of a previous been treated in accordance with the requirement.	lassified and packag sly restricted hazardo	jed, and is in prop ous waste subiect	er condition for transportation to the Land Disposal Restrict	on accordin	g to applicatify and v	cable regulation	e AND if this
LAVL GAZZO	16	I Gas N	AS Agent For bener 4	toe\	12/9	liy	
p. Generator Authorized Agent Name (Pri		Signature			r. Date	•	
II. TRANSPORTER (Gene	rator completes	lla-b and Tran	nsporter completes lic-	-e)			
a. Transporter in Name in in Address: 1027 Bacen Road Hinesville, GA 31313 b. Phone:		BN -2	D				
3. Scac underwo	CONX -1	'me us	wall	\times /	2191	iy	
c. Driver Name (Print)	d. Signat			e. Date			
III. DESTINATION (General	tor complete illa-	-c and Destina	ation Site completes III	ld-g)		- 10	
a. Disposal Facility and Site Address: Savannah Regional Industri 84 Clifton Bivd Port Wentworth, GA 31407	al Landfill 912,964.2812	c. US EPA Num	nber d. Discrepency Indic	ation Space	9:		
I hereby certify that the above named ma	lerial has been acce	pted and to the b	est of my knowledge the for	egoing is tr	ue and ac	curate.	
e. Name of Authorized Agent (Print)	f. Signatu	ite		g. Date	12	19/1	4
IV. ASBESTOS (Generator			complete (Vg-i)	1 g. Date		<u> </u>	'
a. Operator's Name and Address:	•		c. Responsible Agency Na	me and Ad	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addi	tional Information:						
f. Friable Non-Friable Both			% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.							
g. Operator's Name and Title (Print) *Operator refers to the company which or renovation operation or both	h. Signat wns, leases, operate		ervises the facility being de	i. Date molished or	r renovate	d, or the demoli	tion or

	SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 84 CLIFTON BLVD 84 CLIFTON BLVD 912-96 PORT WENTWORTH, GA PORT WENTWORTH, GA PORT WENTWORTH, GA PORT WENTWORTH, GA PORT WENTWORTH, GA 100C14 100C14 100C14 100C14 100C14 100C14 100C14 100C14 100C14 100C14 100C14 100C14 100C14 100C14 100C15 100C14 100C14 100C15 100C14 100C15 100C15 100C16 100
	4-2812 Michelle J. Michelle J
the reasons and the section and the second times	346 3:31 pm 12-9-2014 3:31 pm 12-9-2014 19.81 INBOUND 9,620 EYTENSION TAX HATE EYTENSION TAX
CHECKS	ND TOTAL RET AMOUNT

and successful and a cardinous



2204093

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	а-г)						
a. Generator's US EPA ID Number		b. Manifest Docur	nent Number		c. Page	1 of		
N/A			·			1		
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	iny		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
f. Phone: If owner of the generating facility differs from the generating facility d	om the generator	provide:	g. Phone:					
in owner or the generating facility differs in	om me generator,	provide.						
h. Owner's Name:		11.00	i. Owner's Phone No.:	1				
j. Waste Profile #	k. Exp. Date I. Waste Shipping Name and Description Mo. Ty			Type	n. Total Quantity	o. Unit Wt/Vol		
		3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		1	1,750	Quanty	1,,,,,,,,	
31101420787		Non-Regu	lated Soil	Di	mp		_	
			1	 	ļ	-	Tohs	
		· ·			ł		1	
		1					1	
			·	<u> </u>		<u> </u>		
					ļ	1	}	
	<u> </u>		J	1	1540.4	1		
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous been treated in accordance with the requi	lassified and pack sly restricted haza	aged, and is in prop Irdous waste subjec	er condition for transportation to the Land Disposal Restr	on accordir ictions. I ce	ng to applertify and	icable regulation warrant that the	s; AND, if this	
1 1				1		•		
PAUL GAZZO	<i>f</i>		01AS About for bowc	e440e)	12/9	119		
p. Generator Authorized Agent Name (Pr		. Signature			r. Date			
II. TRANSPORTER (Gene	rator complete	es Ila-b and Tra	nsporter completes lic	-e)				
a. Transporter's Name and Address: 1027 Flacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		BN, 70	1					
b. Phone: 912.412.2402	11/ 6	3 /0 //	7 /	15/	12/6	7		
c. Driver Name (Print)	d. Sigi	Add far far	main	e. Date	2/9/	79		
III. DESTINATION (Genera	tor complete I	lla-g and Destin	ation Site completes II	lld-g)				
a. Disposal Facility and Site Address:		c. US EPA Nui			æ:			
Savannah Regional Industr 84 Ciffon Bird								
b. Port Wentworth, GA 81407	912.964.2812	1						
I hereby certify that the above named ma	iterial has been a	ccepted and to the t	pest of my knowledge the for	regoing is t	rue and a	ccurate.		
MICION		1	, \ /		17	19114		
e. Name of Authorized Agent (Print)	f. Sign	ature		g. Date	1	1 1 1		
IV. ASBESTOS (Generator			r complete IVg-i					
a. Operator's Name and Address:	oon protes in		c. Responsible Agency N	ame and A	ddress:			
a. Operator's Name and Address.								
b. Phone:			d. Phone:					
e. Special Handling Instructions and Add	litional Information	1:						
f. ☐ Friable ☐ Non-Friable ☐ Bot	h %	Friable	% Non-Friable					
OPERATOR'S CERTIFICATION: I heret and are classified, packaged, marked ar national governmental regulations.	daalaaa that the	contents of this co	neignment are fully and acc	urately des or transport	cribed ab accordin	ove by the prope g to applicable in	er shipping nam nternational and	
g. Operator's Name and Title (Print)	h. Sic	nature		i. Date			Wan as	
g. Operator's Name and Title (Print) *Operator refers to the company which or renovation operation or both	owns, leases, ope	rates, controls, or st	pervises the facility being d	emolished	or renova	ited, or the demo	10 nobik	

	attothbuss bus funds	~~~~d	And the own to be the other to	or the war to a self-self and a self-self-self-self-self-self-self-self-	an de la companya de la casa de la casa de la casa de la casa de la casa de la casa de la casa de la casa de l La casa de la casa de la casa de la casa de la casa de la casa de la casa de la casa de la casa de la casa de l	्रात्मकः त्यद्वेषणः च्यापकः च्यापकः व्यवहः व्यवहः वृद्यक्षस्मानमः द्वेषकः विषयः व्यवस्थाः व्यवहः	, i
TENDERED TENDERED	Artotheus trus furry	ati shortson					
TNUOMA TSM					CONEKK EEE WEMLVF EEE 2	EOEF BE	00.1 00.1
			W CONNIX RECION		L/TRANS/TRUCK	EA FEE-HAU	os Sc
JATOT	INBOUND TAX	18.77 042,78	NET TONS	081'97 081'97	GROSS WEIGHT	NI 3.1A	7610119
3:35 pm		d ZE:E	Michelle (200,000) 12-09-201 18-702 18-702 18-702 18-703	ZÏ 8Z-¥96-	Services, LLC	PR WENTWORTH	° D Ei 2001√ чни
ma (c	LOO JUNE ONL		Hat Welling 201	गग ः	REGIONAL LANDFI	HAMMALIA	



2204094

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

-		
	•	

I. GENERATOR (Generato	r completes I	a-r)							
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ment Number		c. Page 1 of	1			
d. Generator's Name and Location: Rheem Manuaciuming Compar 139 Brampton Road Savannah, GA 31408 f. Phone:	ny		e. Generator's Mailing Ad- AZD Em utiline 4943 Austin Pari Buford, GA 3051 g. Phone:	k Avenue	.uc				
If owner of the generating facility differs fro	m the generator	. provide:			···				
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	pping Name and	m. Conta		Total Jantity	o. Unit Wt/Vol		
31101420787		Non-Regu	dated Soil	Dum	p	Тог	16		
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, cla waste is a treatment residue of a previous been treated in accordance with the requir	assified and pack ly restricted haza	kaged, and is in prop Irdous waste subject	per condition for transportation to the Land Disposal Restri	on according ictions. I certi	to applicable fy and warra	regulations;	AND, if this		
VAUL GAZZO		fait as	MAS Agent For Gene	enator)	12/5/14	,			
p. Generator Authorized Agent Name (Prir II. TRANSPORTER (Gener		. Signature			r. Date				
a. Transportagio Namenand Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402 b. Phone:	BN7	02		X /2	10 1.				
c. Driver Name (Print)	d. Sigi	nature Dyna	Υ	e. Date	19/14				
III. DESTINATION (Generate			ation Site completes III						
a. Disposal Facility and Site Address:		c. US EPA Nur							
Savannah Regional Industria 84 Onton Blvd Port Wentworth, GA 31407	912.964.2812	· · · · · · · · · · · · · · · · · · ·							
I hereby certify that the above named mat	erial has been a	ccepted and to the	est of my knowledge the for	egoing is true	and accura	ite.			
					219	114			
e. Name of Authorized Agent (Print)	f. Sign		2072/040/11/2	g. Date		/ '/			
IV. ASBESTOS (Generator	completes IV	a-r and Operator	c. Responsible Agency Na	amo and Add	*****				
a. Operator's Name and Address:				sille ditu Auu	1633.				
b. Phone: e. Special Handling Instructions and Addit	tional Information	1:	d. Phone:						
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	doclare that the	Friable contents of this cored, and are in all res	% Non-Friable nsignment are fully and accu spects in proper condition for	rately descrit r transport ac	ped above by ecording to a	y the proper st pplicable inter	hipping nan national an		
g. Operator's Name and Title (Print) *Operator refers to the company which ov	h. Sig	nature	nanciese the facility hains de	i. Date	renovated o	r the demolitic	n or		
*Operator refers to the company which over renovation operation or both	vns, leases, opei	rates, controls, of su	heraises the recitity nearly de	andianeu u					

المعادية الم	DORT WENT 100014 PORT WENT 100014 PORT WENT 100014 Calks Fe 1741 Calks Fe 1741 Calks Fe 23.41 EA 23.41 EA 23.41 TN 1.00	
	ANNAH REC 84 CLI 84 CLI 84 CLI SMENTH, G FEE-HAUL/ FEE-HAUL/ FEE-HAUL/ FUEL REC	س ىدى بر
	-964-281 -964-281 21,4 21,4	
	Olympiche 12 1.2040 943 12 1.2 1.2040 95 12 1.2040 95 220	·
	3349 3:42 pm 76,820 820	
Comp With Control	INBOUND INBOUND	
CHECK		



2204095

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I	a-r)							
a. Generator's US EPA ID Number N/A		b. Manifest Docum	ment Number		c. Page	1 of			
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	iny	L	e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518						
If owner of the generating facility differs from	om the generator	, provide:	g. Phone:						
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date		pping Name and		tainers	n. Total			
		Description		No. Type Quantity					
31101420787		Non-Regu	ilated Soil	Dı	шb]	rons		
GENERATOR'S CERTIFICATION: I here	by cartify that the	ahove named mate	orial is not a hazardous woot	a se dofina	d by 40 C	ED 261 es en :	andicable		
state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	lassified and pack bly restricted haza	kaged, and is in prop ardous waste subject	per condition for transportation to the Land Disposal Restri	on accordin	g to appli rtify and v	cable regulations	s: AND, if this		
PAUL GAZZO	T.	Par Am	NAS Agent For bene	cathe	12/9	114			
p. Generator Authorized Agent Name (Pri	nt) d	. Signature	Trainiton wi ocuc		r. Date	• -			
II. TRANSPORTER (Gene		 	nsporter completes lic-	-e)					
a. Transporter's Name and Address: Bun Inteking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	BN.	22	· ~~~						
X Sharry Littles c. Driver Name (Print)	d. Stgr	Maller .	Xallo	e. Date	19/1	4			
III. DESTINATION (General			ation Site completes III						
a. Disposal Facility and Site Address:	tor complete i	c. US EPA Nur		<u></u>	B:				
Savannah Regional Industri 84 Clifton Biv d Port Wentworth, GA 31407	al Landfili 912.964.2812				-				
I hereby certify that the above named man	erial has been ac	ccepted and to the b	est of my knowledge the for	egoing is tr	ue and a	ccurate.			
VYNC		NAL	<u> </u>	/	21	9/14			
e. Name of Authorized Agent (Print)	f. Sign			g. Date					
IV. ASBESTOS (Generator	completes IVa	a-f and Operator	complete IVg-i)			•			
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ac	idress:				
b. Phone:			d. Phone:						
e. Special Handling Instructions and Addi	tional information	1:							
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	v declare that the	Friable contents of this cored, and are in all res	% Non-Friable isignment are fully and accurate spects in proper condition for	rately desc transport	ribed abo according	ve by the proper to applicable int	shipping nan ternational an		
g. Operator's Name and Title (Print)	h. Sig	nature		i. Date		المسالم والمراجع	lates or		
*Operator refers to the company which over renovation operation or both	wns, leases, oper	ates, controls, or su	pervises the facility being de	molished o	r renovat	ea, or the demol	iuon or		

Fill bills borry Rd. In harmonial Services, LLC Later Francisco A. MEDALCHETAL CHAIN DESCRIPTION OF A GREAT P12. (1) 0.00 100 STAR THE 1 (1)(1) THE STANDARD THE SERVE SERVERS Those After 165 SPAN PARTOR SELECTION OPPOSE WEIGHT THE WELLING ** C # * * 0 · 24,000 63, 700 TEAL COLD STREET SPIRITARY There are a removed by the there are . HET TOLKS THAT MET SHIP 12-09-2014 3:48 pm 12-09-2014 3:48 f.m 2204096 BN-32 : ", Just 1 4. 21. I Misourist) 1441 (PHOENED

Elisak X

CHANGE



2204096

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\underline{\bf NOT}}$ asbestos waste, complete Sections I, II and III

	۰	2		
7	b	ľ	:	
d	ĸ	r		

a. Generator's US EPA ID Number N/A	tor completes	b. Manifest Docu	ment Number	C.	Page 1 of	
d. Generator's Name and Location Rheem Manufacturing Comp 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Ac ASAS Austin Pa 4943 Austin Pa Buford, GA 305 g. Phone:	rk Avenue	•	
If owner of the generating facility differs	from the generator	r, provide:	1			
h. Owner's Name:		1	i. Owner's Phone No.:			
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pping Name and	m. Containe		o. Unit
				110.	ype Quantity	Wt/Vol
31101420787		Non-Regu	ilated Soll	Dump		Tons
GENERATOR'S CERTIFICATION: I her state law, has been properly described, waste is a treatment residue of a previou been treated in accordance with the requirement.	classified and pack Isly restricted haza	kaged, and is in prop Irdous waste subject	er condition for transportation to the Land Disposal Rosts	on according to	applicable regulation	no. ANID if this
17AUL GAZZO		Car Sut	1AS Agent For General	zator /	219/14	
p. Generator Authorized Agent Name (P		a. Signature			Date	
II. TRANSPORTER (Gen	erator complete	<u>es Ila-b and Trai</u>	nsporter completes ilc	-e)		
a. Transpo rts: in Name inghd Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone:	9	PN - 32				
c. Driver Name (Print)	d. Sigr	Vinona	ditte	12/9	114	
III. DESTINATION (Genera			ation Site completes II	1 e. Date	-	
a. Disposal Facility and Site Address:	ator complete i		nber d. Discrepancy Indic			
Savannah Regional Indust 84 Cliffon Blvd Port Wentworth, GA 31407	912.964.2812			·		
I hereby certify that the above named ma	aterial has been ac	cepted and to the b	est of my knowledge the for	egoing is true a	nd accurate.	
1/1/1				121	19/1/4	
e. Name of Authorized Angle (Print)	f. Sign:			g. Date		
IV. ASBESTOS (Generator	completes IVa	a-f and Operator				
a. Operator's Name and Address:			c. Responsible Agency Na	ame and Addres	s:	
b. Phone: e. Special Handling Instructions and Add	fitional Information	:	d. Phone:			
f. Friable Non-Friable Bot OPERATOR'S CERTIFICATION: I heret and are classified, packaged, marked ar national governmental regulations.	y declare that the	riable contents of this consed, and are in all resp	% Non-Friable signment are fully and accu pects in proper condition for	rately described r transport accor	above by the prope ding to applicable in	r shipping nam temational and
g. Operator's Name and Title (Print)	h. Sigr			i. Date		
*Operator refers to the company which or renovation operation or both	wns, leases, opera	ates, controls, or sup	ervises the facility being de	molished or ren	ovated, or the demoi	lition or

A:11 pm AVOICE TOTAL	VET AMOUNT TENDERED CIVINGE	G. G. G. G. G. G. G. G. G. G. G. G. G. G	
pm 12-9-2014 LOUNTINEER ONT LOUNTINEER ONT LINBOUN		Ambitimos line authorization and an above the state of th	a seen wa
01 Michelle J. 12-09-2014 12-09-2014 12-09-2014 13-09 NET TONS NET TONS NET WEIGHT COUNTY REGION CHATHAM COUNTY REGION		The short contract to the short	
4-281 61,90 22,0	CHATHA EE 5 EE	Comments of the control of the contr	
SAVANNAH REGIONAL LA SAVANNAH REGIONAL LA 84 CLIFTON BLV 84 CLIFTON BLV 6A 10 ENVIRONMENTAL SELVICES, 10 ENVIRONMENTAL SELVICES, 10 ENVIRONMENTAL SELVICES, 10 ENVIRONMENTAL SELVICES, 10 ENVIRONMENTAL SELVICES, 10 ENVIRONMENTAL SELVICES, 10 ENVIRONMENTAL SELVICES, 10 ENVIRONMENTAL SELVICES, 10 ENVIRONMENTAL SELVICES, WEI SCALE IN TARE WEI SCALE OUT	20.00 YD SW-CONT SOIL FEE 5 19.91 TN ENVIRONMENTAL FEE 5 1.00 FUEL RECOVERY FEE 1.00	The self that the self of the	
PO PO PO PO PO PO PO PO PO PO PO PO PO P			



2204097

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes	la-r)						
a. Generator's US EPA ID Number		b. Manifest Docur	3.7.25					
N/A d. Generator's Name and Location:		<u> </u>	e. Generator's Mailing Add	tress.		1		
Rheem Manufacturing Compa	iny		A&D Environmental Services, LLC					
139 Brampton Road Savannah, GA 31408			4943 Austin Pari Buford, GA 3051					
f. Phone:			g. Phone:					
If owner of the generating facility differs fr	om the generator	r, provide:						
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date		ping Name and	m. Cont		n. Total	o. Unit	
		Description		No.	Туре	Quantity	Wt/Vol	
34404400707		Non Son	Non-Regulated Soil Dump					
31101420787		workegu	ialeo Soli 1	ווים	пр	1 т	ons	
					**			
·				l			.	
		1		}		ł	1	
CENEDATORIC CENTIFICATION. I ber			dal lad - l d				<u></u>	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c	eby certify that the lassified and pac	e above named mate kaged, and is in prop	enai is not a nazardous wasti per condition for transportatio	e as denned on according	o by 40 C	FR 261 or any a cable reculations	pplicable s: AND, if this	
waste is a treatment residue of a previous	sly restricted haza	ardous waste subject	to the Land Disposal Restri	ctions. I cer	tify and v	varrant that the v	vaste has	
been treated in accordance with the requ	rements of 40 Cr	PR 268 and is no ion	. /		1 .			
YAUL GAZZO		Part go	DO AS Agent For G	rucesto		?!IY	•	
p. Generator Authorized Agent Name (Pr		q. Signature		<u>_</u>	r. Date			
II. TRANSPORTER (Gene	erator complet	es lia-b and Ira	nsporter completes lic-	e)				
a. Transporter's Name and Address:								
1027 Bacon Road Hinesville, GA 31313		L1 - 7	0					
b. Phone: 912.412.2402		PN-22						
X. They	X	———		K-4/9/	W			
c. Driver Name (Print)	d. Sia	nature		e. Date				
III. DESTINATION (Genera			ation Site completes III	d-a)	**		 	
a. Disposal Facility and Site Address:			iber d Discrepancy Indica		:			
Savannah Regional Industr	lal Landfill							
84 Clifton Blvd			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					
b. Port Wentworth, GA 31407	912.964.2812							
I hereby certify that the above named ma	itenai nas been a	ccepted and to the b	est of my knowledge the for	egoing is th	te and ad	curate.		
L V L		1/			4	K1 119		
e. Name of Authorized Agent (Print)	f. Sign		Annalata () (a. ()	g. Date				
IV. ASBESTOS (Generator	completes iv	a-i and Operator						
a. Operator's Name and Address:			c. Responsible Agency Na	me and Adi	aress:			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Add	itional Information	n:						
f. 🗆 Friable 🗆 Non-Friable 🗆 Bott		Friable	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereb	y declare that the	contents of this con	signment are fully and accur	rately descri	ibed abo	ve by the proper	shipping name	
and are classified, packaged, marked an national governmental regulations.	u labeled/placard	ieu, anu are in ali fes	heers in higher coudings to:	uansport 8	cording	ro aphicanie ini		
g. Operator's Name and Title (Print)	h. Sir	nature		i. Date				
*Operator refers to the company which o	wns, leases, oper	rates, controls, or su	pervises the facility being de		renovate	ed, or the demoli	tion or	
renovation operation or both								

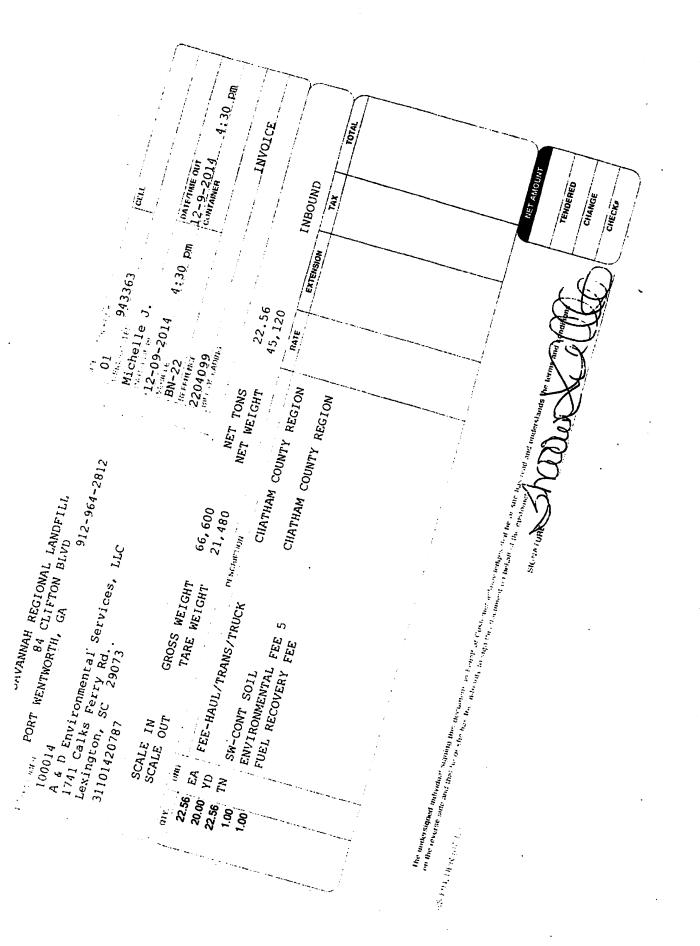


2204098

I.

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generation	erator completes	la-r)					
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number		c. Page	1 of	
d. Generator's Name and Location: Rheem Manufacturing C 139 Brampton Road Savannah, GA 31408 f. Phone:	ompany		e. Generator's Mailing Address: AAD Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:				
If owner of the generating facility diff	ers from the generator	r, provide:	g. I none.				
h. Owner's Name:			i. Owner's Phone No	•			
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pping Name and		ntainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Val
31101420787		Non-Regu	uated Soll	1 0	цтр		Tons
GENERATOR'S CERTIFICATION: I state law, has been properly describe waste is a treatment residue of a pre been treated in accordance with the	eo, classified and paci viously restricted haza	kageo, ano is in prop Infolis wasto subject	Per condition for transport	ortation according	ng to appli	cable regulation	A & 15 15 1
FAUL GAZZO		Juls.	rolps Agent For (reweaster	12/9	liy	
p. Generator Authorized Agent Name		Signature //			r. Date		
II. TRANSPORTER (G	enerator complete	es Ila-b and Tra	nsporter completes	s (lc-e)			
a. Transporter Name and Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402		Ph Jos					
c. Driver Name (Print)	d. Sign	1. By.	a		1914		
III. DESTINATION Gen			ation Site complete	e. Date			
a. Disposal Facility and Site Address	: /	c. US EPA Nun			:e:		······
Savannah Regional ind 84 Citton Bivd Port Wentworth, GA 31	407 912.964.2812	1 1		·			
I hereby certify that the above named	praterial has been ac	cepted and to the b	est of my knowledge th	e foregoing is t	rue and ac	curate.	
					12-15	1114	
e. Name of Authorized Agent (Print)	f. Sign			g. Date		7	
a. Operator's Name and Address:	itor completes IVa	a-f and Operator	c. Responsible Agenc	y Name and A	idress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and	Additional Information		G. FROIRE.				
1. ☐ Friable ☐ Non-Friable ☐	Both % F	riable	% Non-Friable				*
OPERATOR'S CERTIFICATION: I he and are classified, packaged, marked national governmental regulations.	ereby declare that the	contents of this con-	signment are fully and a	accurately desc n for transport	ribed abov according	e by the prope to applicable in	r shipping nam Iternational and
 g. Operator's Name and Title (Print) Operator refers to the company which 	h. Sigr	nature	ondens the feetile bat-	i. Date		4 - 12	741
renovation operation or both	и омна, казез, орега	ales, willions, or sup	ervises the facility bein	g demokshed o	r renovate	a, or the demo	iition or



₹.



2204099

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generat	or complete	es la-r)							
a. Generator's US EPA ID Number			Manifest Docur	nent Number		La Dani			
N/A				······································		C. Page	3 1 Of		
d. Generator's Name and Location: Rheem Manufacturing Compa	38V			e. Generator's Mailing Address:					
139 Brampton Road	2119			A&D Environmental Sen 4943 Austin Park Avenu					
Savannah, GA 31408				Buton, G					
f. Phone: If owner of the generating facility differs fr	an the second			g. Phone:	~ 30310				
	om the genera	ator, provi	de:					**********	
h. Owner's Name:				i. Owner's Phone No	o.;				
j. Waste Profile #	k. Exp. Date	•	I. Waste Ship	ping Name and		ntainers	n. Total	o. Unit	
			Description		No.	Туре	Quantity	Wt/Vol	
34424422					İ	ļ	1		
31101420787	1		Non-Regul	lated Soll	۵	mp	1		
	,					Toh			
		Ì					1	İ	
		ŀ					ŀ	1	
							-		
		İ			1		1	ļ	
		ĺ			[1	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl	by certify that t	the above	named mater	ial is not a hazardous	waste as define	d by 40 C	FR 261 or any	annlicable	
waste is a treatment residue of a provious	h metricted be	oordore	woods and prope	a condition for transpi	onation according	ig to applic	cable regulation	is; AND, if this	
been treated in accordance with the require	rements of 40	CFR 268	and is no long	io die Land Disposal i ier a hazardous waste	Restrictions. I ce as defined by 4	rtify and v	varrant that the	waste has	
PAVL G4220		1/2	Va	<i>3</i>					
p. Generator Authorized Agent Name (Print) G Signature			atum /	MAS AGENT FOR	DENCRATOR)		9/14		
II. TRANSPORTER (General				opodos samelala	- " .	r. Date			
a. Transporter's Name and Address:	ator comple	cico ila-	v and man	sporter completes	s (IC-e)				
1027 Bacon Road									
Hinesville, GA 31313									
b. Phone: 912.412.2402				Λ -					
X TORRELL Littles	X	400	100	TITLE	KI	MIN		·	
c. Driver Name (Print)	d Si	ignature	MIC A	MANN		191x			
III. DESTINATION (Generate	or complete	lla-c a	nd Destina	tion Site complete	e. Date				
a. Disposal Facility and Site Address:			US EPA Numb						
Savannah Regional Industria	il i sedfil	"		d. Discrepancy	mulcation Space	; :			
84 CHRON Blvd	i Laileisi		•						
b. Post Wentworth, GA 31407	912.964.281								
I hereby certify that the above named mate	erial has been	accepted	and to the be	st of my knowledge th	e foregoing is th	se and ac	curate.		
VIII		1			, /	1	- 1 :: .		
e. Name of Authorized Agent (Print)	f. Sig	nature			g. Date	# 17	! 119		
IV. ASBESTOS (Generator of	completes IV	Va-f and	Operator (complete (Va-i)	1 3. 22.0		-/ · ·		
a. Operator's Name and Address:				c. Responsible Agenc	v Name and Ad	dress:			
					,				
b. Phone:		-		d. Phone:					
e. Special Handling Instructions and Additi	onal Informatio	on:							
f. ☐ Friable ☐ Non-Friable ☐ Both	%	Friable		% Non-Friable	_				
OPERATOR'S CERTIFICATION: I hereby	declare that the	e content	s of this consi	gnment are fully and a	accurately descri	bed above	by the proper	shipping name	
and are classified, packaged, marked and national governmental regulations.	ioneiem histall	u o u, and a	are in all respe	cus in proper condition	n for transport a	coording to	o applicable inte	emational and	
									
g. Operator's Name and Title (Print)	h Ci	gnature							
*Operator refers to the company which own	ns, leases, one	rales, cor	ntrols, or super	vises the facility being	i. Date	ronovotod	or the demoti	lan as	
renovation operation or both	,		, 5. 5		y comonantou UI		, or the gemonii	IUIT OF	

4:32_pm	TOTAL	NET AMOUNT TENDERED
	INBOUND	BK 11
364 4:32 pm	19.33 38, 660 HATE CATERISION	
01 943 Michelle J. 12-09-2014 12-09-2014 18N-32 HILLER OF	DOO NET TONS OOO NET WEIGHT CHATHAM COUNTY REGION CHATHAM COUNTY REGION	: : :
NDF1LL) 912-964-2812 LC	62,660 24,000 DESCRIPTION CHATHAM CHATHAM	
SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 912-96 ENTWORTH, GA 912-96 onmental Services, LLC Ferry Rd.	IN GROSS WEIGHT OUT TARE WEIGHT FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	
SAVANNAH REGIONAL LANDF 84 CLIFTON BLVD 84 CLIFTON BLVD PORT WENTWORTH, GA 91, 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073	SCALE IN SCALE OUT SCALE OUT 19.33 EA 0.00 YD 19.33 TN SW-CON 1.00 EUEL R	

The predestigned endoction, support to a discount of below a discount of the period for the contract and conditions on the covers cade that the scene is a configuration of the discount of the scene is a configuration of the discount of the scene is a configuration of the discount of the scene is a scene in the covers cade that the scene is a configuration of the discount of the scene is a scene in the covers cade that the scene is a scene is a scene in the covers cade that the scene is a scene is a scene in the covers cade that the scene is a scene is a scene in the covers cade that the scene is a scene is a scene in the covers cade that the scene is a scene in the covers cade that the scene is a scene in the covers cade that the scene is a scene in the covers cade that the scene is a scene in the covers cade that the scene is a scene in the covers cade that the scene is a scene in the covers cade that the scene is a scene in the scene is a scene in the scene is a scene in the scene in the scene is a scene in the scene in the scene is a scene in the scene in the scene in the scene is a scene in the scene i

CHARGE

Secreta three

1.1 不知過數學2.2 2.2 2.4



2204100

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	or completes	la-r)							
a. Generator's US EPA ID Number N/A	ment Number		c. Page						
					1	1	1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Address: AND Emilionmental Services, LLC						
			4943 AUST	III Park Averue	- •				
			Buford, G/ g. Phone:	A 30518					
If owner of the generating facility differs to	, provide:	g. i nong.							
h. Owner's Name:			i Ournarda Sharra Ni	_					
j. Waste Profile #	k. Exp. Date	I. Waste Shir	i. Owner's Phone No pping Name and		ntainers	I = Tatal			
		Description	pring maine and	No.	Type	n. Total Quantity	o. Unit Wt/Vol		
							1.000		
31101420787		Non-Regu	uated Son	ם	mp	1			
				1			Tons		
		ļ				į			
					ļ	}			
GENERATOR'S CERTIFICATION: Library	hu portifu that the	about according to			<u> </u>				
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous	lassified and pack	above named mate aged, and is in prop	mai is not a hazardous er condition for trensn	waste as define	ed by 40 C	FR 261 or any	applicable		
							ns; AND, if this waste has		
O at a	rements of 40 CF	R/208 and is no long	ger a hazardous waste	as defined by 4	0 CFR 26	1.			
YAUL GAZZO		Paul gas 1	1/AS Agent For 6	cuceatee)	12/9	lex			
p. Generator Authorized Agent Name (Pri					r. Date	•			
II. TRANSPORTER (Gene	rator complete	s Ila-b and Tran	sporter complete:	s Ilc-e)					
a. I ransporter is placed and Address:					•				
1027 Bacon Road Hinesville, GA 31313		BN	ጓ 7						
b. Phone: 912.412.2402		1770	.) •						
	IS A	<u> </u>	1.0	1 2	,				
X Clarere Littles	X_(Krium Li	II llas	17/	9/11				
c. Driver Name (Print)	d. Sign			e. Date					
III. DESTINATION (General	tor complete III			es IIId-g)					
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy	Indication Space	∋:	· · · · · · · · · · · · · · · · · · ·			
Savannah Regional Industri 84 Clifton Biyd	al Landfill								
Port Weptworth, GA 31407	912.964.2812								
I hereby certify that the above named mat		control and to the he			·				
1/1/2	tenar has been acc	cepted and to the be	ist of thy knowledge th	ie foregoing is tr	ue and ac	curate.			
a Name of All the state of the		-VVC			17	19 114	1		
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator	f. Signa			g. Date	••	- / -			
IV. ASBESTOS (Generator a. Operator's Name and Address:	completes iva	-1 and Operator		>	•	/			
a. Operator's Name and Address:			c. Responsible Agenc	y Name and Ad	dress:				
b. Phone:									
e. Special Handling Instructions and Addit	tional Information:	L.	d. Phone:						
f. ☐ Friable ☐ Non-Friable ☐ Both	ov ⇔.	iahla.	0/ 11 # 1						
OPERATOR'S CERTIFICATION: I hereby	declare that the c	riable contents of this cons	% Non-Friable	ancuratable dasse	had share	a hu tha access	ablasis		
and are classified, packaged, marked and	labeled/placarded	d, and are in all resp	ects in proper conditio	occurately descr on for transport a	ccordina 1	e by the proper o applicable int	snipping name temational and		
national governmental regulations.		·							
	1								
g. Operator's Name and Title (Print)	h. Signa	ature		i. Date					
*Operator refers to the company which ow	ns, leases, operat	les, controls, or supe	ervises the facility bein	g demolished or	renovate	d, or the demoli	tion or		
renovation operation or both		-							

Michelle 12-09-20 2204097 CHATHAM COUNTY REGI UE ACRIBITION COUNTY REGIC And the figures of the second of the control of the control of the figure for the figure of the control of the figure of the control of the control of the figure of the control of the figure of the control of the figure of the control of the figure of the control of the figure of t 1 Sec. 1 NET WEIGHT 01 NET TONS BN-20 61,900 22,080 912-964-2812 SAVAWNAH REGIONAL LANDFILL SAVAWNAH CLIFTON BLVD 100014 Lucironmental Services, LLC 100014 D Environmental Services, LLC R 6 D Environmental Services, LLC R 6 D Environmental Services, LLC Lexington, SC 29073 TARE WEIGHT ENVIRONMENTAL FEE 5 | FEE-HAUL/TRANS/TRUCK GROSS WEIGHT FUEL RECOVERY FEE SW-CONT SOIL PORT WENTWORTH, GA SCALE OUT SCALE IN 31101420787 19.91 TN ZO.00 YD THE STATE OF 19.91 8 90. Chistoner. ;<u>;</u>



2204097

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-	r)					
a. Generator's US EPA ID Number N/A		b. Manifest Docur	nent Number	1	c. Page 1		
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 1. Phone:			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518				
If owner of the generating facility differs fr	om the generator, p	rovide:	g. Phone:				
h. Owner's Name;			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		ping Name and	m. Conta		n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	izted Soll	Dum	р	To	ηs
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous been treated in accordance with the requ	lassified and packag sly restricted hazard	ged, and is in prop ous waste subject	er condition for transportation to the Land Disposal Restri	on according ctions. I certi	to applicative and water	ble regulations;	AND, if this
PAUL GAZZO	17	208	2 Oplas Man Hore				
p. Generator Authorized Agent Name (Pr	int) q. 3	Signature Signature	() (IS IN COLO)		r. Date	• • • • • • • • • • • • • • • • • • • •	
II. TRANSPORTER (Gene			nsporter completes lic-	-e)			
a. Transporter's Name and Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		bh-52	8				
X. Muy	X -	72		£-4/9/1	ý		
c. Driver Name (Print)	d. Signal			e. Date			
III. DESTINATION (General	tor complete Illa						
a. Disposal Facility and Site Address: Savannah Regional Industr 84 Clifton Blvd Port Wentworth, GA 31407.	1al Landfill 912.964.2812	c. US EPA Not	nber d Discrepancy Indic	ation Space:			
I hereby certify that the above named ma		epted and to the	est of my knowledge the for	egoing is true	e and acc	urate.	
MC		1.1			71	9/14	
e. Name of Authorized Agent (Print)	f. Signate			g. Date		1/1/	
IV. ASBESTOS (Generator	completes IVa-	f and Operator	rcomplete IVg-i)				
a. Operator's Name and Address:			c. Responsible Agency Na	ame and Add	ress:		
b. Phone:	MA* 1 4 R 4* -		d. Phone:	,			
e. Special Handling Instructions and Add	illional information:						
f. Friable Non-Friable Bot OPERATOR'S CERTIFICATION: I heret and are classified, packaged, marked an national governmental regulations.	w declare that the c	ontents of this cor	% Non-Friable nsignment are fully and accu spects in proper condition for	rately descrit r transport ac	ped above cording to	by the proper of applicable inte	shipping name mational and
				<u>L</u>			
g. Operator's Name and Title (Print)	h. Signa	iture	agrican the facility being de	i. Date	ronovoto	or the dematik	on or
*Operator refers to the company which or renovation operation or both	owns, leases, operati	es, controls, of su	hervises the tacility being de	mensned of	. J. IOVATEC	, or the demonit	

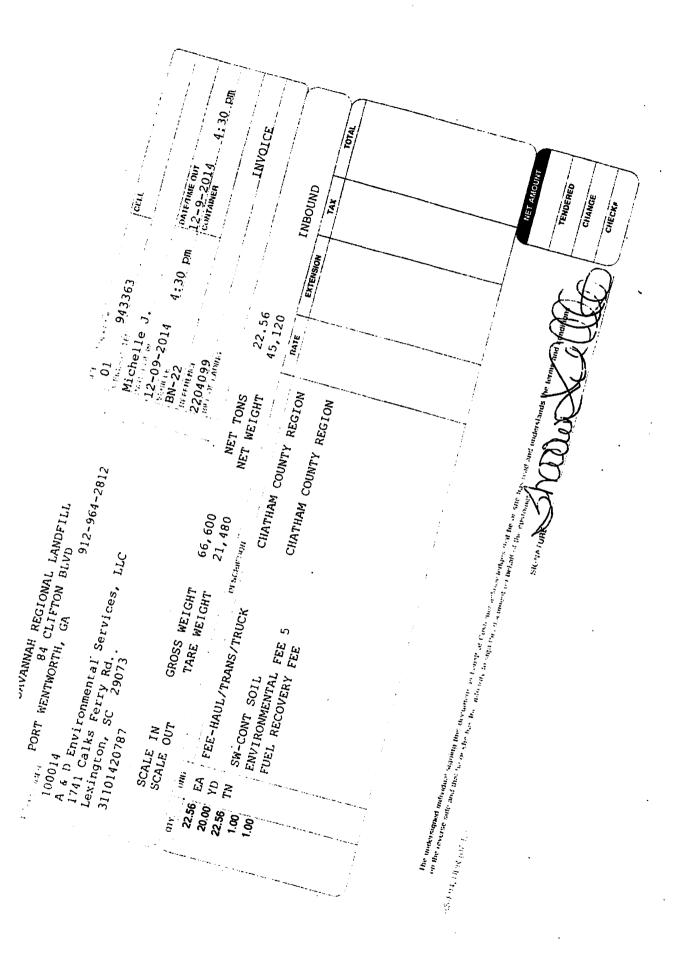
the motor solution of the transfer of the property of the prop	CUBLING HOLD REPORT HEALT AND LAND FILL A A TOTAL TO BE THE WEST WITH, CA BLVD A A TOTAL TO BE THE WITH WITH, CA BLVD A TOTAL TO BE THE WITH SERVICES, LLC SCALE IN GROSS WEIGHT 18.03 WAS FEE-HAUL/TRANS/TRUCK ENVIRONMENTAL FEE 5 CHATHAM COUNTY THE SCOVERY FEE 5 CHATHAM COUNTY COUNTY
THE PARTY OF THE P	AMDEFILL 912-964-2812 WILL-101-201-1 1:10 Lill WASHING J. WILL-101-201-1 1:10 Lill WASHING J. WILL-101-201-1 1:10 Lill WASHING J. WILL-101-201-1 1:10 Lill WASHING J. WILL-101-201-1 1:10 Lill WASHING J. WILL-101-201-1 1:10 Lill WASHING J. WILL-101-201-1 1:10 Lill WASHING J. WASH



2204098

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generat	or completes I	a-r)						
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page 1 of			
N/A			1					
d. Generator's Name and Location: Riseem Manufacturing Company			e. Generator's Maiting Address: A&D Environmental Services, LLC					
139 Brampton Road	an y		A&D Environmen	ital Services	S, LLC			
Savannah, GA 31408			4943 Austin Pari					
f. Phone:			Buford, GA 3051	8				
If owner of the generating facility differs for	rom the generator	aravida.	g. Phone:					
in owner or the generating facility differs in	rom the generator,	, provide:	}					
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Shir	ping Name and	m. Conta	alnore	a Total	I a timeta	
		Description	ping name and	No.	Type	n. Total Quantity	o. Unit Wt/Vol	
				 ''U'	.,,,,,	Quantity	770 001	
31101420787	1	Non 60 and	tedent Soli	_		1	1	
31101420767		Non-Regu		Difu	пÞ		l.	
			1			1	rons	
				1 1				
				1 1				
				 		 		
				!!		1	ł	
				ł 1		1		
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous waste	as defined	by 40 C	FR 261 or any a	Innlicable	
i siale iaw, nas been propeny described, c	iassiiied and dack	aded, and is in oron	RF COndition for transportatio	n pocoedina	to spalie	aabla sassiisiidas	A A A A A A A A A A A A A A A A A A A	
i waste is a treatment residue of a previous	siv restricted hazai	Mous waste subject	to the Land Dienseal Pactri	otione I andi	:6. and		waste has	
been treated in accordance with the requi	irements of 40 CF	R 268 and is no long	ger a hazardous waste as de	fined by 40	CFR 26	1.		
FAUL GAZZO		Just B	Was Agent ForGen	المبيمة	.219	leve		
p. Generator Authorized Agent Name (Pri	iot\	Signature //	משטוא ישקני ניוש			<u>''</u>		
					r. Date	···		
II. TRANSPORTER (Gene	rator complete	es IIa-b and Trai	asporter completes lic-	<u>e) </u>				
a. Transportering National Address:								
1027 Bacon Road	_	1 1.0						
Hinesville, GA 31313	-	Ph Jog						
b. Phone: 912.412.2402		י יכז						
./ 1/ . 2	11/	10		Z 101				
& Kevin Dyrnes	X X	12 / Du 10 / 1		N 121	9/14			
c. Driver Name (Print)	\ d. Sign	ature	a	e. Date		~		
III. DESTINATION General			tion Site completes III					
a. Disposal Facility and Site Address:	tor confibiete ii							
		c. US EPA Num	nber d. Discrepancy Indica	tion Space:				
Savannah Regional Industri	al Landilli		ļ					
84 Catton/Biv d Port Wentworth, GA 31407	912.964.2812	1/	,					
D. / /	/							
I hereby certify that the above named ma	terial has been ac	cepted and to the be	est of my knowledge the fore	going is true	and ac	curate.		
		1/		•	3			
				1,0	1-1	1114		
e. Name of Authorized Ageni (Print)	f. Signa			g. Date				
IV. ASBESTOS (Generator	completes IVa	-f and Operator	complete IVg-i)		-			
a. Operator's Name and Address:		1	c. Responsible Agency Nar	ne and Add	rocc.			
			c. Nesponsible Agency 14er	ile and Addi	455.			
		j						
			•					
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addi	tional Information:							
/ □ Erioblo □ Non Erioble □ Cont		ele bio	0/ 11- = = 1-1/					
1. Friable Non-Friable Both	w dodom that the	niable	% Non-Friable	-A-b - 4				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and	y utware mai ine (i laheled/blaccedo	contents of this cons	organisment are tully and accum	ternesses	eo abov	e by the proper	snipping name	
national governmental regulations.	a randiam higher de	u, anu ale ili ali lesj	sece in higher coudinou tot.	иап ъроп ас	cording !	o applicable inte	ernational and	
3	T T							
	ļ							
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date				
*Operator refers to the company which ov	vns, leases, opera	tes, controls, or sup	ervises the facility being den	nolished or r	enovate	d, or the demolit	ion or	
ropovotion appretion or both								





2204099

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

1. GENERATOR (Generator	or completes is	а-г)						
a. Generator's US EPA ID Number N/A	ment Number	(c. Page 1	of				
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
If owner of the generating facility differs from	om the generator,	, provide:	g. Phone:					
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pping Name and	m. Contai	ners i	n. Total	o. Unit	
		Description		No.		Quantity	Wt/Vol	
31101420787		Non-Regu	uated Soli	Dum	,	T	ons	
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, clawaste is a treatment residue of a previous been treated in accordance with the requirements.	assified and pack: Iv restricted haza:	aged, and is in prop Idous waste subject	per condition for transportation to the Land Disposal Restri	on according t	o applicat	do monulations	ANID MALE	
PAV! G4220		De la	<i>)</i>			• /	-	
p. Generator Authorized Agent Name (Prin	m) a	Signature	port AS Agent For ben		اری Date .	9/14		
II. TRANSPORTER (Gener			nsporter completes lic-		. Date			
a. Transporter's Name and Address: BEN Trucking 1007 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	<u> </u>	maia X	ÂU (o.)	K 121	914			
c. Driver Name (Print)	d. Sign			e. Date				
III. DESTINATION (Generat	or complete III							
a. Disposal Facility and Site Address: Savannah Regional Industria 84 Ciffon Blvd b. Park Wentworth, GA 31407	912.964.2812	c. US EPA Num		•		······································		
I hereby certify that the above named mat	enai nas been ac		est of my knowledge the for	egoing is true	and accu	rate.		
e. Name of Authorized Agent (Print)	f. Signa	1	\gg		-14	114	· · · · · · · · · · · · · · · · · · ·	
IV. ASBESTOS (Generator			complete (Va-i)	g. Date		/ 		
a. Operator's Name and Address:	Join placed 1 va	, raile operate	c. Responsible Agency Na	me and Addre	299:			
b. Phone: e. Special Handling Instructions and Addit	ional Information:		d. Phone:					
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the							
g. Operator's Name and Title (Print)	h. Sign	nature		i. Date				
*Operator refers to the company which ow renovation operation or both	ns, leases, opera	ites, controls, or sup	pervises the facility being der		novated,	or the demolitie	on or	

	4:32 pm	OICE		TOTAL	NET AMOUNT	TENDERED
OUT! DATE/TUME OUT	12-9-2014.	INVOICE	INBOUND	TAX		
CELLI	4:32 pm 12-			CXTENSION		
943364	4		19.33 38,660	HATE		
01 9 Michelle	12-09-2014	BN-32 hirthmen 2204100 mitter (Autor)	NET TONS	1	REGION REGION	
			NET M.T.T. M		CHATHAM COUNTY REGION	
NDF1LL) 912-964-2812			62,660	000/157	СНАТИ	
IONAL LA TON BLVI		vices, LLC	GROSS WEIGHT	TARE WEIGHT	- <u>1</u>	
AVANNAH REG 84 CLIE	PORT WENTWORTH, ON	A & D Environmental Services, 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787			FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	
. เกิ	PORT WE	A & D Envirol 1741 Calks F Lexinglon, S 31101420787	SCALE IN	SCALE OUT	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
12.65	COD::CBF5	100 A & 174 174 Lex 311			19.3 19.3 10.0 1.1 1.1	,

The undertaigned individual summing to a decision of the property of the prope

CHECK CHARGE

THE LIME



2204100

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I	a-r)						
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number	· · · · · · · · · · · · · · · · · · ·	c. Page 1 of			
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generalor's Mailing Address: ALC Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
If owner of the generating facility differs fr	om the generator,	provide:	g. Phone:					
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and		ntainers	n. Total	La Hait	
		Description		No.	Туре	Quantity	o. Unit Wt/Vol	
31101420787		Non-Regu	dated Soil	1 D	ump		Tons	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requirements.	by certify that the assified and pack	above named mate	rial is not a hazardous were condition for transpor	vaste as define	ed by 40 C	FR 261 or any cable regulation	applicable as; AND, if this	
been treated in accordance with the requir	rements of 40 CFI	R/208 and is no long	ger a hazardous waste a	estrictions. I co as defined by 4	ertify and v 10 CFR 26	warrant that the 31.	waste has	
YAUL GAZZO	1 1	Jest gas 1	1/AS Agent For be		12/9	lex		
p. Generator Authorized Agent Name (Prin	nt) q.	Signature	12 to 101 00	TOCKE TOE	r. Date	37		
II. TRANSPORTER (Gener	rator complete	s Ila-b and Trar	sporter completes	lic-e)		-		
a. Transports of Nationand Address: 1027 Bacon Road Hinasville, GA 31313 b. Phone: 912.412.2402	1. A. A.	BN	37					
& Clarere Lille	XU	become di	Tlus	12/7/	9/11			
c. Driver Name (Print) III. DESTINATION (Generate	d. Signa		tion City completes	e. Date				
a. Disposal Facility and Site Address:	or complete in	c. US EPA Num					·	
Savannah Regional Industria 84 Cilfion Biya Port Weptworth, GA 31407	912.964.2812							
I hereby certify that the above named mate	erial has been acc	epted and to the be	st of my knowledge the	foregoing is tr	ue and ac	curate.		
1110					12	19 114	1	
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator of	> 1. Signa			g. Date	••			
IV. ASBESTOS (Generator of a. Operator's Name and Address:	completes iva-	-T and Operator	c. Responsible Agency	Name and Ad	dress:		·	
b. Phone:			d. Phone:					
e. Special Handling Instructions and Additi	ional Information:							
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fr	iable	% Non-Friable			·		
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the c	ontents of this cons	ignment are fully and ac	curately descrifor transport a	ribed abov according t	re by the proper to applicable int	shipping name ternational and	
g. Operator's Name and Title (Print) *Operator refers to the company which own renovation operation or both	h. Signans, leases, operat	ature es, controls, or supe	ervises the facility being	i. Date demolished or	renovate	d, or the demoli	tion or	

Sije



1764995

If waste is asbestos waste, complete Sections I, II, III and IV if waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

0/

I. GENERATOR (Genera	tor completes is	a-r)						
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number		c. Page	1 of		
d. Generator's Name and Location: Georgia Power Various Locations Georgia f. Phone:			e. Generator's Mailing Address; National Salvage & Service Corporation PO Box 300 Clear Creek, IN 47426					
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 #	k. Exp. Date	Waste Ship Description	pping Name and	m. Cor No.	tainers Type	n. Total Quantity	o. Unit Wt/Vol	
31101413978			Weathered Wood				Togs	
statesboro GA						2		
CENEDATOR'S CERTIFICATION. I.V.								
GENERATOR'S CERTIFICATION: I her state law, has been properly described, of waste is a treatment residue of a previou been treated in accordance with the requ	Jassilleu anu packa Istv restricted hazar	ageo, and is in prop Mois waste subject	er condition for transport	tation accordin	g to appli	cable regulation		
Michael Cotherel	\	Auchel (Me		1	7-110 i	16.7	
p. Generator Authorized Agent Name (Pr II. TRANSPORTER (Generation		Signature			r. Date	1001		
a. Transporter's Name and Address: Curtie Ufert Trucking 143 Rose Drive Granville, OH 43023 b. Phone: 614.312.3706	[6]	/	4 /3					
c. Driver Name (Print)	d. Signa	and Don't			-10	- 14		
III. DESTINATION (Genera			ation Site completes	e. Date			······································	
a. Disposal Facility and Site Address:	tor complete in	c. US EPA Num):			
Savannah Regional Industr 84 Clifton Bird. b. Port Wentworth, GA 912	tal Landfill 2.964.2812				•			
I hereby certify that the above named ma	iterial/has been acc	epted and to the be	est of my knowledge the	foregoing is tn	ue and ac	curate.		
MA				\times		2/10/	14	
e. Name of Authorized Agent (2000) IV. ASBESTOS (Generator	f. Signa		complete N/s N	g. Date		1-1		
a. Operator's Name and Address:	completes iva-	-i and Operator	c. Responsible Agency	Name and Ad	dress:			
b. Phone: e. Special Handling Instructions and Add	itional Information:		d. Phone:					
f. Friable Non-Friable Bott OPERATOR'S CERTIFICATION: I hereb and are classified, packaged, marked an national governmental regulations.	v declare that the c	ontents of this cons	% Non-Friable signment are fully and accepts in proper condition	ccurately descri for transport a	ibed abov ccording	e by the proper to applicable in	r shipping name ternational and	
g. Operator's Name and Title (Print) *Operator refers to the company which or renovation operation or both	h. Signa wns, leases, operat	ature es, controls, or sup	ervises the facility being	i. Date demolished or	renovate	d, or the demol	ition or	

3374 7:29 am 12-10-2014 17:29 am 12-10-2014 17:97 17:97 1		TENDERED TENDERED CHANGE CHANGE CHECK®
LL WEIN, INCKET # OL 10 OL 10 WEIN, WISSTERN -964-2812 MACHELLE J DA-10-2014 12-10-2014 ENH-32 REFERENCE PRICE	DESC	ond conditions Response achieveders that he as she has read and anderstands the terms and conditions
INNAH REGIONAL LA 84 CLIFTON BLV MORTH, GA ental Services, 29073 CROSS WEIG	SCALE IN TARE WEIGHT SCALE OUT TARE WEIGHT SCALE OUT TT.97 EA FEE-HAUL/TRANS/TRUCK 17.97 TN SW-CONT SOIL FEE 5 1.00 FUEL RECOVERY FEE 5 1.00	

The undersigned individual signing this decument on patent of Customer achieved of the customer.

SignATURE

एउ १८० समाजास (१८१८)



2204102

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

1. GENERATOR (Generate	or completes la	a-r)						
a. Generator's US EPA ID Number N/A				ment Number c. Page 1 of				
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buferd, GA 30518 g. Phone:					
If owner of the generating facility differs from	om the generator,	provide:			-			
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profite #	k. Exp. Date		ping Name and	m. Containe		o. Unit		
		Description		No. Ty	pe Quantity	lo/\times		
31101420787		Non-Regu	lated Soil	DLmp		Tons		
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	assified and pack	aged, and is in prop rdous waste subject	er condition for transportat to the Land Disposal Rest	ion according to a prictions. I certify a	applicable regulation and warrant that the	ons; AND, if this		
Val GA220	١,	Vail Ray	11/18 ABOUT FOR GO	CRAtor 17	219/4			
p. Generator Authorized Agent Name (Pri	nt) d	. Signature			Date			
II. TRANSPORTER (Gene	rator complete	s Ila-b and Tra	nsporter completes lic	c-e)				
a. Transporters Name and Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402		BN 3	V					
C. Driver Name (Print)	d. Sign	Oc. Agua	ditto.	e. Date	114			
III. DESTINATION (Genera			ation Site completes	IIId-g)				
a. Disposal Facility and Site Address:		c. US EPA Nur						
Savannah Regional Industri 84 Clifton Bivd Port Wentwork, GA 31407	al Landfill 912.964.2812							
b. I hereby certify that the above named/ma	terial has been ac	cepted and to the b	est of my knowledge the fo	oregoing is true a	nd accurate.			
microbe		\sim		13	2 · 10 · 14	i		
e. Name of Authorized Agent (Print)	f. Sign	ature	\rightarrow	g. Date				
IV. ASBESTOS (Generator	completes IVa	a-f and Operator	complete IVg-i)					
a. Operator's Name and Address:			c. Responsible Agency N	lame and Addres	ss:			
b. Phone: e. Special Handling Instructions and Add	itional Information		d. Phone:					
e. Special riandling instructions and Add	iuonai maoimadon	.						
f. Friable Non-Friable Bott OPERATOR'S CERTIFICATION: I hereb and are classified, packaged, marked an national governmental regulations.	v declare that the	Friable contents of this cored, and are in all res	% Non-Friable nsignment are fully and acc spects in proper condition f	curately described for transport acco	i above by the prop rding to applicable	per shipping name international and		
		•						
g. Operator's Name and Title (Print)	h. Sig	nature		i. Date	anatad as the des	olition of		
*Operator refers to the company which o renovation operation or both	wns, leases, oper	ates, controls, or su	pervises the facility being o	temolished of ren	IOVALEU, OF THE CEN			

NDF11L	The sudgestigned individual signant live decision to say that the or site has read and underlaminate torminations CHECKE The sudgestigned individual signant live decision to the decision of the customent on technical or sugnitive to sugnitation to sug
SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL LANDFILL ROST WENTWORTH, GA. 100014 A 6 D Environmental Services, LLC 1741 Calks 1741 Calks 1741 Calks 1762 29073 Lexington, SC 29073 SCALE IN TARE WEIGHT SCALE OUT SCALE OUT SCALE OUT SCALE OUT FEF-HAUL/TRANS/TRUCK 20.07 PW-CONT SOIL 20.07 FUEL RECOVERY FEE 1.00 FUEL RECOVERY FEE	The randersigned individual signant live decriment on the or size has the authors and that he or size has the authors and the or size has the authors with the or size has the authors with the or size has the size

RS-FUADONE (GF) 2)



2204103

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I	a-r)							
a. Generator's US EPA ID Number		b. Manifest Docur	ument Number c. Page 1 of						
N/A d. Generator's Name and Location:		L	1						
Rheem Manufacturing Compa	iny		e. Generator's Mailing Add A&D Environmen	ttai Service	e, u.c				
139 Brampton Road Savannah, GA 31408			4943 Austin Pari	K Avenue	•				
f. Phone:			Buford, GA 30518 g. Phone:						
If owner of the generating facility differs for	om the generator	, provide:							
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Con	tainers	n. Total	o. Unit		
		Description	· · · · · · · · · · · · · · · · · · ·	No.	Type	Quantity	Wt/Vol		
31101420787		Non-Regu	lated Soil	ום	urb				
						To	(16		
									
				ł					
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous waste	e as define	d by 40 C	FR 261 or any ap	plicable		
state law, has been properly described, cl waste is a treatment residue of a previous	ly restricted haza	rdous waste subject	to the Land Disposal Restri	ctions. I ce	rtify and w	varrant that the wa	AND, if this		
been treated in accordance with the requi	rements of 40 CF	R 268 and is no lon	ger a hazardous waste as de	efined by 4	0 ĆFR 26	1.			
HAVLGAZ20		Halls	DIASALON FOR GO	Acres.	12/0	3/14			
p. Generator Authorized Agent Name (Pri	nt) (. Signature	7000	<u> </u>	r. Date				
II. TRANSPORTER (Gene	rator complete	es lla-b and Trai	nsporter completes lic-	e)					
a. Transporter's Name and Address:									
1027 Bacon Road	D	112							
Hinesville, GA 31313	\mathcal{D}	NZZ							
b. Phone: 912.412.2402	157		CALC	110					
A TARROU LIHES			FOLLIN	X /	7/10/	liy			
c. Driver Name (Print)	d. Sigi			e. Date		N-11-11			
III. DESTINATION (General	tor complete I								
a. Disposal Facility and Site Address:		c. US EPA Nun	nber d. Discrepancy Indica	ation Space	9:				
Savannah Regional Industri 84 Clifton Bivd	al Landilli								
b Port Werftworth, GA 31407	912.964.2812		/ <i>)</i>						
I hereby certify that the above named ma	efial has been a	cepted and to the b	est of my knowledge the for	egoing is tr	ue and ac	curate.			
1 1 Dec			1		12	110:11	i		
e. Name of Authorized Agent (Pfint)	f. Sign	ature		g. Date		/ 	1		
IV. ASBESTOS (Generator			complete IVg-i)			,			
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	dress:				
b. Phone:	a:11-6		d. Phone:						
e. Special Handling Instructions and Addi	monai information	i .							
			W Mar - 51-41				· · · · · · · · · · · · · · · · · · ·		
f. Friable Non-Friable Both		riable contents of this con	% Non-Friable	rately deen	ribed ahm	e hy the moner s	hinning name		
and are classified, packaged, marked and									
national governmental regulations.									
	J								
g. Operator's Name and Title (Print)	h. Sig	nature		i. Date					
*Operator refers to the company which over renovation operation or both	wns, leases, oper	ates, controls, or suf	pervises the facility being de	moiished o	r renovate	o, or the demoliti	DII O T		

379. 1.47. am	
11LL Michelle Michelle Danisme Dani	the university cubant he are not been still for the meaning of the continues.
SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL LANDFILL BORT WENTWORTH, GA 100014 A & D Environmental Services, LLC 100014 A & D Environmental Services, LLC Lexington, Lexington, SCALE IN TARE WEIGHT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT FEE-HAUL/TRANS/TRUCK 16.79 TN ENVIRONMENTAL FEE 5 1.00 FUEL RECOVERY FEE	Actived property feedbacking temperature 303

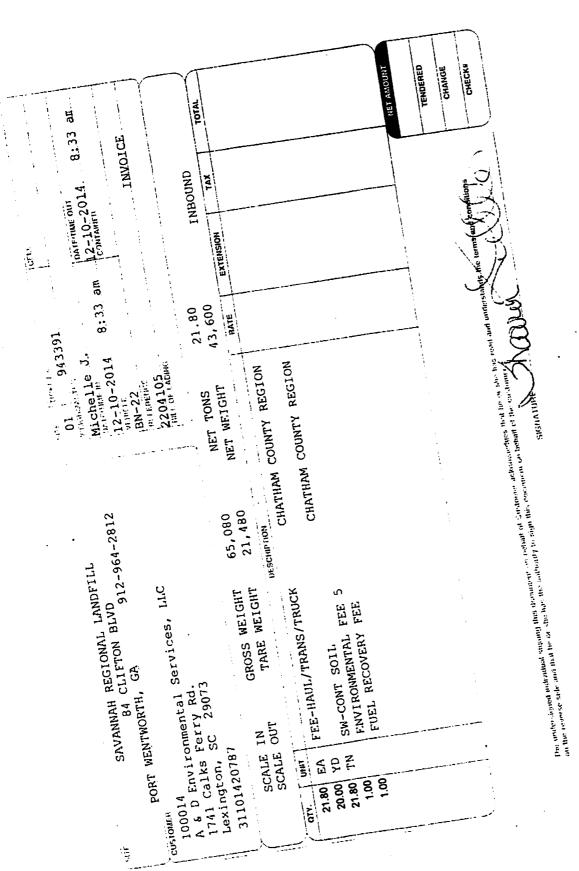
200 - 100 B



2204104

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

 GENERATOR (Generate 	or completes la	a-r)			•				
a. Generator's US EPA ID Number N/A	b. Manifest Docum	nent Number	c. Page	e 1 of 1					
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	пу		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue						
Savannah, GA 31408 f. Phone:			Buford, GA 30518						
If owner of the generating facility differs fro	om the generator,	provide:	g. Phone:						
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and	m. Containers No. Type	o. Unit Wt/Vol				
31101420787		Non-Regu	lated Soil	Dump	Quantity	one			
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	assified and packa ly restricted hazar	aged, and is in prop dous waste subject	er condition for transportation to the Land Disposal Restrict	on according to applictions. I certify and	icable regulations; warrant that the w	AND, if this			
PAUL GAZZO		talas	DAS Agent For Gone	er atoe) 12/9.	ly .				
p. Generator Authorized Agent Name (Pri	nt)	. Signature	• 0	r. Date					
II. TRANSPORTER (Gene	rator complete	s Ila-b and Trai	nsporter completes lic-	-e)					
a. Transporter Name and Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402	N-28	•							
XJ. C. Hall	XE	10h ()	Jall	X 12/10	ly				
c. Driver Name (Print)	d. Signa			e. Date					
III. DESTINATION (General	tor complete III								
a. Disposal Facility and Site Address:		c. US EPA Nun	nber d. Discrepancy Indic	ation Space:					
Savannah Regional Industri 84 Clifton Bivd Port Wertworth, GA 31407	at-Landfill 912.964.2812								
I hereby certify that the above named ma	erial has been ac	cepted and to the b	est of my knowledge the for	regoing is true and a	ccurate.				
Miclette		1		13	-10-K	1			
e. Name of Authorized Agent (Print)	f. Signa			g. Date					
IV. ASBESTOS (Generator	completes IVa	-f and Operator			· · · · · · · · · · · · · · · · · · ·				
a. Operator's Name and Address:			c. Responsible Agency No	arne and Address:					
b. Phone:			d. Phone:						
e. Special Handling Instructions and Add	tional information:								
f. □ Friable □ Non-Friable □ Both	o e	riable	% Non-Friable						
f. Friable Non-Friable Bott OPERATOR'S CERTIFICATION: I hereb and are classified, packaged, marked and national governmental regulations.	v declare that the	contents of this con	signment are fully and accu	rately described abort transport according	ove by the proper g to applicable inte	shipping name ernational and			
g. Operator's Name and Title (Print)	h. Sigr	nature	continue the facility being de	i. Date	ted or the domelit	ion or			
*Operator refers to the company which or renovation operation or both	wns, leases, opera	sies, controls, or su	pervises the racility being de	moustied of remova					



ida jit biyana ko sisti



2204105

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

#	
7	
••	

I. GENERATOR (Generate	or completes is	a-r)							
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	1 of			
N/A d. Generator's Name and Location:			1						
Rheem Manufacturing Compa	ıny		e. Generator's Mailing Address: A&D Environmental Services, LLC						
139 Brampton Road Savannah, GA 31408			4943 Austin Park Avenue						
f. Phone:			Buford, GA 30518 g. Phone:						
If owner of the generating facility differs fr	om the generator,	provide:							
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and	m. Containers n. Total No. Type Quantity			o. Unit		
				INU.	Туре	Quantity	Wt/Vol		
31101420787		Non-Regu	lated Coll		==				
		Honritege	1	Dd	пф	т (ons		
							. !		
			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·				
		1							
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous wast	e as defined	by 40 C	FR 261 or any ap	plicable		
state law, has been properly described, cl waste is a treatment residue of a previous	lassified and pack	aced, and is in oron	RF COndition for transportation	an according	to annie	able constations.	ANIP MALE		
been treated in accordance with the requi	rements of 40 CFI	R 268 and is no long	ger a hazardous waste as de	efined by 40	CFR 26	arrant that the wi 1.	aste nas		
PAUL GAZZO	۱ ا	Julla	10 ASAgant For ben	(عمله مه	12/5	liv			
p. Generator Authorized Agent Name (Pri	nt)	. Signature	•	-1	r. Date	<i>,</i> ,			
II. TRANSPORTER (Gene	rator complete	s lla-b and Tran	nsporter completes lic-	e)					
a. Transporter's Name and Address:									
1027 Bacon Road		1122					·		
Hinesville, GA 31313 b. Phone: 912.412.2402	٧.)		. (
1/01 1 1.111	V A	4 11 100 0	tonta	1101	-16/				
c. Driver Name (Print)	d. Sign	MINIST C	XY-SULADO	X R/I	dily				
III. DESTINATION (General			ation Site completes III	e. Date					
a. Disposal Facility and Site Address:	or complete in		nber d_Discrepancy Indica		:	~~~			
Savannah Regional Industri	at Landill			opass	•				
84 Cimen Sind)								
b. Port Wentworth, GA 31407	912.964,2612								
I hereby certify that the above named man	erial has been ac	cepted and to the be	est of my knowledge the for	egoing is tr. I	e and ac	curate.			
			\sim		121	9114			
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator	f. Signa		complete N/= N	g. Date		-			
IV. ASBESTOS (Generator a. Operator's Name and Address:	completes iva	-i and Operator			<u> </u>				
a. Operator's Name and Address.		İ	c. Responsible Agency Na	me and Adi	iress:				
		1							
b. Phone:	d. Phone:								
e. Special Handling Instructions and Addi	tional Information:								
f. Friable Non-Friable Both		riable	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and	/ deciare that the (I labeled/placarde	contents of this con: d, and are in all resp	signment are tully and accur pacts in proper condition for	rately descri transport a	bed abov ccording	e by the proper s to applicable inte	hipping name mational and		
national governmental regulations.	· · · · · · · · · · · · · · · · · · ·								
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date					
*Operator refers to the company which over renovation operation or both	vns, leases, opera	ites, controls, or sup	ervises the facility being der	molished or	renovate	a, or the demolitic	on or		

CHECK		Fire understands superating the foreigness to be bedone as to be be been superated by the properties of the bear and the properties of the bear and the properties of the bear and the properties of the bear and the properties of the bear and the properties of the bear and the properties of the proper										
LENDEHED												
TNUOMA TEN												
JATOT	XAT	EXTENSION	FLVH	COUNTY REGION	СНАТНАМ	FEE-HAUL/TRANS/TRUCK SW-CONT SOIL FUEL RECOVERY FEE 5	19.69 EA 0.00 YD 19.69 TN 1.00					
	ИВОПИБ	I	99.91 085,98	NET TOUS	63, 380 24, 000	OUT TARE WEIGHT	OLA RIFE SCALE SCALE					
8:56. at	ENTINE OUT	–24ms ∂.	o74 8:2	OI Michell Mic	12-964-2812	, sc. 29073 s Ferry Rd. s SC 29073	100014 P & D Env					

.



2204106

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number	ator completes	la-r) b. Manifest Docu	ment Number	c. Pa	ge 1 of	
d. Generator's Name and Location: Rineem Manufacturing Cor 139 Brampton Road		e. Generator's Mailing Ad A&D Environme 4943 Austin Par	idress: Idress: LLC	Č 1	1	
Savannah, GA 31408			Buford, GA 305			
If owner of the generating facility differ	s from the generator	r, provide:	g. Phone:		· · · · · · · · · · · · · · · · · · ·	
h. Owner's Name:		•	i. Owner's Phone No.:			
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pring Name and	m. Containers	n. Total	o. Unit
		Description		No. Type		Wt/Vol
31101420787		Non-Regu	lated Soll	Оцтр		Tons
				-		
GENERATOR'S CERTIFICATION: I histate law, has been properly described waste is a treatment residue of a previous peen treated in accordance with the re-	i, ciassified and pack nusiv restricted haza	rageo, ano is in prop	er condition for transportation	on according to ap	plicable regulation	
Paul GAZZO		Prulas	DlAS Agust For bene		aliv	
p. Generator Authorized Agent Name (Print)	. Signature	NOW HOLL OF DODE	r. Dat	<i>1 [1]</i>	
II. TRANSPORTER (Ge	nerator complete	es lla-b and Tran	nsporter completes lic-			
a. Transporter's Name and Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		BN 3	32			
C. Driver Name (Print)	A Sign	Occupies nature	Little ,	× / Z / / ひ/, e. Date	y	
III. DESTINATION (Gene			tion Site completes III			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
a. Disposal Facility and Site Address:		c. US EPA Num				
Savannah Regional Indus 84 Cimor Bivd Port Wentworth, GA 3140	7 912:964.2812			·		
I hereby certify that the above named r	naterial has been ac	cepted and to the be	est of my knowledge the fore	egoing is true and	accurate.	
	2			12	10110	
e. Name of Authorized Agent (Chat)	f. Signa			g. Date		
IV. ASBESTOS (Generatoral Address:	or completes IVa	a-f and Operator	c. Responsible Agency Na	me and Address:	•	
b. Phone:			d. Phone:			
e. Special Handling Instructions and Ad	iditional Information:					
f. Friable Non-Friable Bo		riable	% Non-Friable			
OPERATOR'S CERTIFICATION: I here and are classified, packaged, marked a national governmental regulations.	by declare that the and labeled/placarde	contents of this cons d, and are in all resp	ignment are fully and accur sects in proper condition for	ately described ab transport accordin	ove by the prope g to applicable in	r shipping nan ternational an
g. Operator's Name and Title (Print) *Operator refers to the company which	h. Sign	nature	orginso the facility being the	i. Date	4-4 4	141
renovation operation or both	omiis, icases, opera	nes, connois, or sup	ervises the ractify being der	noisted of tenova	ted, or the demol	ition or

		γ-	Υ	Τ			
9:21_am	INVOICE		TOTAL				NET AMOUNT
ME OUT	INV	INBOUND	TAX				
;		1	EXTENSION				
411 9:21 am		1 0			-	-	 -
94341 s J.		21.11	PATE	• • •			
01 943411 recommend 943411 Michelle J.	DN-22 hefference 2204107 met of Lading	rons IGHT		REGION	REGION		
		NET TONS		COUNTY	COUNTY		•
NDFILL) 912-964-2812 LC		63,700 21,480	DESCRIPTION	CHATHAM COUNTY REGION	CHATHAM COUNTY REGION		;
SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD ENTWORTH, GA 912-96	1/41 Calks Ferry Rd. Lexington, SC 29073 31101420787	GROSS WEIGHT TARE WEIGHT	04.5	FEE-HAUL/TRANS/TRUCK	SOIL IENTAL FEE 5 COVERY FEE		
SAVANNAH REG 84 CLIF PORT WENTWORTH, GA 1 Environmental Serv	s Ferry , SC 29(87	IN OUT		FEE-HAUI	SW-CONT SOIL ENVIRONMENTAL FUEL RECOVERY	•	
PORT 114	L/41 Calks Lexington, 3 31101420787	SCALE IN SCALE OUT	5	EA YD	Ž.	_	 •
ти. сизтамен 100014 A & D	1/41 Lexir 3110]		/ OTV	21.11	1.00		 · ·

The contengency includes success that the attention of externer and another than the or she haggest and understands, the terms and on the recent of the random as recent of th

SIGHAFINE

TENDERED CHANGE CHECK

Rather Presentation



2204107

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	or completes la-r)					
a. Generator's US EPA ID Number		. Manifest Docur	ment Number		c. Page	1 of	
N/A					C. Faye	1 01	
d. Generator's Name and Location: Rheem Manufacturing Comp.			e. Generator's Mailing Ad	dress:	<u> </u>	<u></u>	
139 Brampton Road	gny		A&D Environme	ntal Servic	es, LLC		
Savannah, GA 31408			4943 Austin Par Buford, GA 3051				
f. Phone: If owner of the generating facility differs for	mm the generates as		g. Phone:				
ŀ	om the generator, pro	ovide:					
h. Owner's Name: i. Waste Profile #	T : _	T	i. Owner's Phone No.:				
J. vvaste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and		nteiners	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101400707							Ī
31101420787		Non-Regu	lated Soll	Di	dub.		_
		1		 	 		Tons
						[
		 		 	 		
		1		}			
		İ			1		
GENERATOR'S CERTIFICATION: I here	by certify that the abo	ove named mate	rial is not a hazardous wast	e as define	d by 40 C	FR 261 or anv	applicable
state law, has been properly described, c waste is a treatment residue of a previous	iassineo ano dackada	a ana is in nmn	Of CORdition for tropposedatio	· a a a a a a di -			
been treated in accordance with the requi	rements of 40 CFR 2	is waste subject 88 and/1 9 no long	to the Land Disposal Restri Per a hazardous waste as de	ctions. I ce efined by 4	ertify and w In CER 26	ramant that the	waste has
HAUL GAZZO	1//	21/41			1		
p. Generator Authorized Agent Name (Pri	nt) si	gnature	10(AS Agust Forbei	na Ha	12/4	114	
II. TRANSPORTER (Gene			ecortor completes lle	-1	r. Date		
a. Transporter's Name and Address:	iator compietes i	ia-b allu IIal	isporter completes lic-	(8)			
1027 Basen Road	0.1	_					
Hinesville, GA 31313	5 <i>N</i>	22					
b. Phone: 912.412.2402			_				
X Shallow Littles	Y KW	S. cer	Jortha	Vo	101.1		
c. Driver Name (Print)	d. Signatur	rolex	ARTULON		112)14		
III. DESTINATION (General			tion City completes III	e. Date			
a. Disposal Facility and Site Address:	ior complete illa-t	c. US EPA Num					
•	-11	C. US EPA NUM	ber d. Discrepancy Indica	ation Space	8 :		
Savannah Regional Industri 84 Clifton Bivd	sı raudilli						
b. Port Wentworth, GA-31407	912.964.2812						
I hereby certify that the above named ma	erial has been accept	ted and to the be	est of my knowledge the fore	egoing is tr	ue and ac	curate.	
MINIMIE		1/2					10.14
e. Name of Authorized Agent (Print)	f. Signature	, V V \		g. Date		13-	10.19
IV. ASBESTOS (Generator			complete IVa-ii	I M. Dato		***************************************	
a. Operator's Name and Address:		3,53,5,5,	c. Responsible Agency Nar	me and Ad	ldrage.	·	· · · · · · · · · · · · · · · · · · ·
•			ar i tospeticiolo i igonoj i tal				
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addi	tional Information:					· · · · · · · · · · · · · · · · · · ·	
f. ☐ Friable ☐ Non-Friable ☐ Both	% Friab	le	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby	declare that the cont	ents of this cons	ignment are fully and accur	ately descr	ribed abov	e by the proper	shipping name
and are classified, packaged, marked and national governmental regulations.	i iabeled/placarded, a	nd are in all resp	ects in proper condition for	transport a	according t	o applicable int	ernational and
gerennen regulation							
g Operator's Name and Title (Oder)	h 01						
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signatur	controls or sure	ervises the facility hoing don	i. Date	renovator	1 or the dome!	tion or
renovation operation or both	,, oporatos,	community or supr	are receity being den	nonencu ()	- FILLY ALE	a, or use demoli	aon u

						FIEL PRODUCKY FEE 5		108
				CHATHAM COUNTY REGION	CHATHAM	THOS AROUA ME	Ž :	18.81
				CHATHAM COUNTY REGION-	CHATHAM	FEE-HAUL/TRANS/TRUCK	<u> </u>	18.81
TOTAL	TAX	NOISHBLXE	RATE	The state of the s	DESCRIPTION	DE	TIMU	OTY.
	(Milloulli)		18.81	NET TONS	61,620 24,000	E IN GROSS WEIGHT TARE WEIGHT	SCALE IN	
35.10AH1	CONTAINING CONTAINING CONTAINING COLO		0 0 14 9:51 Jun	L2-L0-2014 VEHCLI UN-32 REFERENCE 2204108 BRIL OF LADING		100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787	rower 100014 A & D Envir 1741 Calks Lexington,	CUSTOMER 100014 A & D 1741 C Lexing 311014
	E	CEL	943417 6 J.	и пемия м м пеминя м Бе. — 10 м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м м пеминя м пеминя м м пеминя м пеминя м м пеминя м пеминя м м пеминя м пеминя м м пеминя м пеминя м пеминя м м пеминя м пемина м пемина м пемина м м пемина	ANDFILL 'D '912-964-2812	SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-96	PORT	±

STATES OF THE ST



2204108

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number	or completes is						
N/A	!	b. Manifest Docum	nent Number		c. Page	1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Compa	any		e. Generator's Mailing Ad Add Environme	ddress:			
139 Brampton Road Savannah, GA 31408	•		4943 Austin Pa	irk Avenue	: 0 , LL.		
f. Phone:			Buterd, GA 305 g. Phone:	318			
If owner of the generating facility differs fr	om the generator,	, provide:	g. ritone:		 -		
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Con	tainers	n. Total	o. Unit
		Description	F	No.	Туре	Quantity	Wt/Vel
	1						
31101420787		Non-Regul		Du	mp !	_	
			1			1	one .
				1 1	1	1	
	1				}	l	
	 						
	l				ļ	ĺ	
	1			1 1	1	l	
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mater	rial is not a hazardous was	te as defined	by 40 C	FR 261 or any a	policable
waste is a treatment residue of a previous	iassilled and packa Ny restricted hazar	agea, and is in propi	er condition for transportati	ion according	to applic	able regulations	
occir a cated in accordance with the requi	rements of 40 CFF	R-268 and is no long	ger a hazardous waste as c	defined by 40	uny and w) CFR 261	ament that the w 1.	aste has
PAUL GAZZO	k	Traken 1	of AS Agent For Ger		12 621	lor	
p. Generator Authorized Agent Name (Pri	nt) /q	. Signature	יין ויין ויין ויין ויין	Stares!	r. Date	<u> </u>	
II. TRANSPORTER (Gene			nsporter completes ilc	- <u></u> -	1. Daw		
a. Transporter Name and Address:				<u>, , , , , , , , , , , , , , , , , , , </u>			
1027 Bacon Road	1	0 4) 2-					
Нілевуіне, GA 31313 912.412.2402	ľ	BN - 32	•				
b. Phone:		~~~	1				
& Clarence Littles		Clarane	Little.	12	110/1	4	
c. Driver Name (Print)	d. Signa			e. Date			
III. DESTINATION (Generat	or complete III						
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Indic	ation Space	:		
Savannah Regional Industra 84 Clifton Biv d	al Landfill			•			
Port Wentworth, GA 31487	912.964.2812)				
b. I hereby certify that the above named mat	rerial has been acr	cepted and to the be	And my knowledge the for	rogoino is tra	o and ac		
Michalle		()	in in knowned no io.	egonal to a c	1 ~	_	
e. Name of Authorized Agent (Print) —	of. Signal	V		- Data	75	-10.1c	1
iV. ASBESTOS (Generator			complete (Vo.I)	g. Date			
a. Operator's Name and Address:	50111p10100 11 =	· · · · · · · · · · · · · · · · · · ·	c. Responsible Agency Na	and Adv			
			o. Neaponaide Agency 146	11110 0110 700	iress.		
		1					
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addit	ional Information:						
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fr	riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and	declare that the c	contents of this cons	ignment are fully and accurate in accordance	rately descri	bed above	by the proper s	shipping name
national governmental regulations.	and and the same and	J, 6110 616 111 611 100p	ects in proper condition for	Ligushour er	Coroning w) abblicable inte	mational and
				T		·	
g. Operator's Name and Title (Print)	h. Signa	ature		i. Date			
*Operator refers to the company which ow	ns, leases, operat	les, controls, or supr	ervises the facility being de	molished or	renovated	, or the demoliti	on or
renovation operation or both							

1741 Lexi	14 D Envi Calks	WENTWO	ORTH, GA	ron blvd	2-964-2812		SITE TIC 01 WEIGHMASTE MI Chell DATETIME II 12-10-2 VEHICLE BN-22 REFERENCE	943422 FR © J. 014 10:0		CONTAINER	10:06 am
	SCALE SCALE			WEIGHT WEIGHT	62,920 21,480	NET NET W	TONS EIGHT	20.72		INBOUND	***************************************
עדט	ָדוֹאַני			36	SCRIPTION			RATE	EXTENSI	ON TAX	TOTAL
) .	SW-CON ENVIRO	AUL/TRANS IT SOIL DIMENTAL : RECOVERY :	FEE 5	СНАТНАМ					:	
											i ;
	<u> </u>									·	
											TENDERED

CHANGE CHECKE

The processing constitute seem of this document on period of Sustamer advinowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the walkering to sign this document on condition.

\$ - (-) - (



2204101

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I	а-г)					
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	1 of	
N/A					U. Faye	101	
d. Generator's Name and Location:		*·	e. Generator's Mailing Add	dress:			
Rheem Manufacturing Compa	iny		A&D Environmen	ntal Service	25, LLC		
139 Brampton Road			4943 Austin Pari	k Avenue	•		
Savannah, GA 31408			Buford, GA 3051	8			
If owner of the generating facility differs fr	om the generalor	provido:	g. Phone:				
de la company de	om the generator,	pioride.					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		ping Name and	m. Con	tainers	n. Total	o. Unit
		Description		No.	Type	Quantity	Wt/Vol
				1			
31101420787		Non-Regu	lated Soil	١ ٨.	mp		
		ivon-ivega.	1	1 "	nh	Τ.	one
							Dillo .
				1		1	
				1		ĺ	1
		i					
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous waste	as define	d by 40 C	FR 261 or any as	plicable
i state iaw, nas been properly described, ci	assitied and pack	ama ni si bas babs	Ar COndition for transportatio	n accordin	a to onali	able mentalines	AAIFA MALL
waste is a treatment residue of a previous been treated in accordance with the requi	restricted nazar	rubus waste subject R 268 and is no long	to the Land Disposal Restriction of the Land Disposal Restriction	ctions. I ce	rtify and w	ramant that the w	aste has
	Tomerita of 40 Or	1 200 and is no ion	Joi a nazaroous waste as de	anned by 4	J CFR 26	1.	
14UL (94220		Val 9 ms	IN AS AS CONT FOR GOL	CO Aloe	12/9	ley	
p. Generator Authorized Agent Name (Pri	nt) d	. Signature/			r. Date		***
II. TRANSPORTER (Gene	rator complete	s lla-b and fran	sporter completes lic-				
a. Transporter's Name and Address:		<u> </u>	isparior completes no	<u> </u>		**	
1027 Bacon Road	_	_					
Hinesville, GA 31313	D K	1-22					
b. Phone: 912.412.2402	フハ	, –					
b. Fiole.	1. 4	/		-			
X STARREL LITTLE	$\langle X \rangle$	Mi bis one	XXXX (1)	X12/	10/14		
c. Driver Name (Print)	d. Sign	ature	/	e. Date			
III. DESTINATION (General			ation Site completes III				****
a. Disposal Facility and Site Address:	or complete in	c. US EPA Num					
•		C. US EPA Num	ber d. Discrepancy Indica	suon Space	1;		
Savannah Begional Industri	al Landfill						
84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812	/)				
1 0.							
I hereby certify that the above names mal	erial has been ac	cepted and to the be	est of my knowledge the fore	going is tn	e and ac	curate.	
	İ	IXI		1	17	10114	
e. Name of Authorized Agent (Print)	f. Signa	itura		g. Date		1 -1/1	
IV. ASBESTOS (Generator			complete IV/a iV	H. Dale			
	Wilheres IAS	-i and Operator					
a. Operator's Name and Address:		ſ	c. Responsible Agency Nar	me and Ad	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addi	tional Information:						
f. ☐ Friable ☐ Non-Friable ☐ Both	0/ E	viable.	W Non Scients				
f. ☐ Friable ☐ Non-Friable ☐ Both OPERATOR'S CERTIFICATION: I hereby		riable	% Non-Friable	alaly dage	had show	a hy the amore	hinning name
and are classified, packaged, marked and	l labeled/placarde	d, and are in all reso	pects in proper condition for	transport a	ccordina i	to applicable inte	mational and
national governmental regulations.							
							
							
g. Operator's Name and Title (Print)	h. Sign	ature	aminos the feetite to the	i. Date			
*Operator refers to the company which ow	vns, ieases, opera	tes, controls, or sup	ervises the facility being den	nolished of	renovate	a, or the demolitic	on of

_9:56_ап ICF
TOTAL
-

The subgroups and explaining the discovered on behalf of Costoner schildwindges that he or she has lead and unper

NET AMOUNT

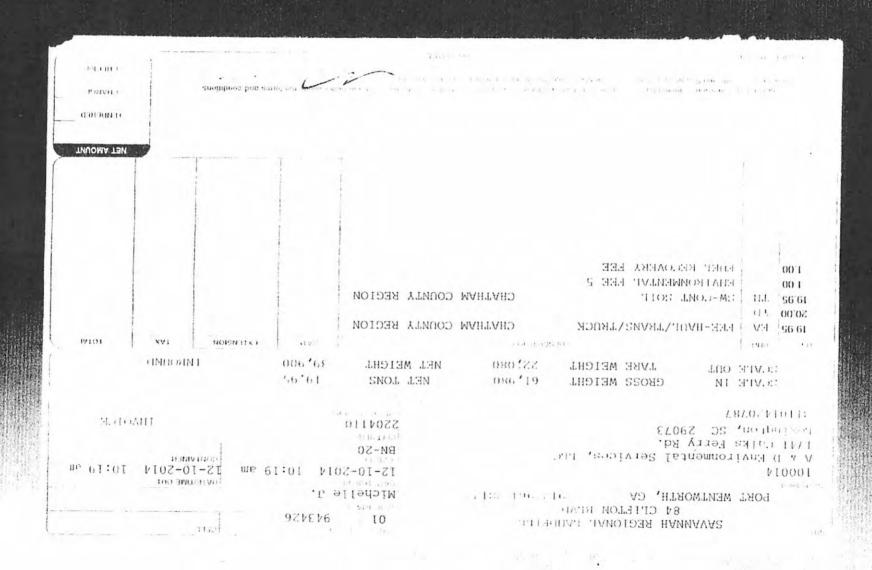
TENDERED



2204109

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes is	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	1 of	
d Generalor's Name and Leasting		L			w. , ago	, i ui 1	1
d. Generator's Name and Location: Rheem Manufacturing Compar 139 Brampton Road Savannah, GA 31408 f. Phone:	пу		e. Generator's Mailing Ad A&D Environme 4943 Austin Par Buford, GA 305	ental Service irk Avenue	es, LLC		
If owner of the generating facility differs from	om the generator	ida	g. Phone:				
	wit nie Berierafor, i	provide:					
h. Owner's Name: j. Waste Profile #	to Eve Date	1	i. Owner's Phone No.:				
). Waste Florid #	k. Exp. Date	I. Waste Ship Description	pping Name and		ntainers	n. Total	o. Unit
				No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regul	ulated Soli	Di	тр		
			•	+	 		Tons
				1 1	ĺ		
GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, cla waste is a treatment residue of a previously been treated in accordance with the require	ly restricted hazard	dase weete eshiert	to the Land Disease! Destrict	on according	g to applic	cable regulation	applicable ns; AND, if this waste has
Yaul GAZZO	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ //	1				
p. Generator Authorized Agent Name (Print		Signature //	1(Agent For Gene	- Atol	12/9	114	
II. TRANSPORTER (General		e ila-h and Trar	accorder completes lle		r. Date		
a. Transporter's Name and Address: Ban Trucking 1027 Bacon Road Hinesville, GA 31313			#28	<u></u>			
b. Phone: 912.412.2402	X	T = 2/1		VI	110/6	, ——	
c. Driver Name (Print)	d. Signat	ture		e. Date	177		
III. DESTINATION (Generato			ation Site completes III	14-4)			
a. Disposal Facility and Site Address:		c. US EPA Numi					
Savannah/Regional industrial 84 Clifton/Bivd b. Port Wernworth, GA 31407	912.964.2812						
I hereby certify that the above hamed mater	rial has been acce	epted and to the be	st of my knowledge the fore	egoing is tru	e and ac	curate.	
	ĺ	1443			1	1111 11	/ <u></u>
e. Name of Authorized Agent (Print)	f. Signatu			g. Date	10	1141	7
IV. ASBESTOS Generator co	ompletes IVa-f	f and Operator	complete Mgei)				
a. Operator's Name and Address:			c. Responsible Agency Nar	me and Add	Iress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addition	onal Information:						
							
f. Friable Non-Friable Both	% Fria	able	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and la national governmental regulations.	abeled/placarded,	and are in all resp	ignment are fully and accura lects in proper condition for	ately descrit transport ac	ped above cording to	by the proper applicable into	shipping name emational and
g. Operator's Name and Title (Print)	h. Signat	ture		i. Date			
*Operator refers to the company which own renovation operation or both	s, leases, operate	is, controls, or supe	ervises the facility being den	nolished or	renovated	, or the demolif	tion or





2204110

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

•	ė	ŕ		
3		,		

d. Generators, Name, Annual Casalory Company 139 Stramptor Road 289 Austin Park Avarius Bufors, GA 30518 2. Phone: If owner of the generator, provide: I. Owner's Phone No: I. Ow	GENERATOR (General	or completes in			,	i		
a. Generator Republic Addition Company 139 Transport Read Savantani, GA 31408 I. Phone: If owner of the generating facility differs from the generator, provide: I. Owner's Name: I. Weste Profile # I. Waste Shipping Name and	a. Generator's US EPA ID Number N/A	7	b. Manifest Docum	ment Number		c. Page		
ASA Justin Park Aversus Bitrot, GA 30518 G. Phone: If owner of the generating facility differs from the generator, provide: In owner of the generating facility differs from the generator, provide: In owner's Name: I. Owner's Name: I. Owner's Name: I. Owner's Name: I. Owner's Name: I. Owner's Name: I. Owner's Name: I. Owner's Name: I. Owner's Name: I. Owner's Name: I. Owner's Phone No.: I. Owner's Phone Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I. Owner's Phone No.: I.	1			T = 0====4=4= AA ## A	, ,	*		
Savannah, GA 31408 L Phone: If owner of the generating facility differs from the generator, provide: It owner of the generating facility differs from the generator, provide: L Owner's Name: L Owner's Name: L Owner's Name: L Owner's Name: L Owner's Name: L Owner's Name: L Owner's Name: L Owner's Name: L Owner's Name: L Owner's Phone No: Description No. Type Quantity Wilvot Wilvot 31101420787 Non-Regutated Soil Dump To he GENERATOR'S CERTIFICATION: Thereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and peckaged, and is in proper condition for transportation accordance to the state law, has been properly described, classified and peckaged, and is in proper condition for transportation accordance to the state law, has been properly described, classified and peckaged, and is in proper condition for transportation accordance to the state law, has been properly described, classified and peckaged, and is in proper condition for transportation accordance to the state law, has been properly described, classified and peckaged, and is in proper condition for transportation accordance to the state law, has been properly described, classified and peckaged, and is in proper condition for transportance to the peckage and the state of the peckage and the peckaged and the supplies to the supplies to the state of the state of the supplies and the state of the supplies to the suppl	Rheem Manuacturing Compi	any		e. Generator's Majing Ag	dress Service	es. LLC		
L. Phone: It owner of the generating facility differs from the generator, provide: It owner's Name: J. Waste Profile # It owner's Phone No.: L. Owner's Phone No.: L. Owner's Phone No.: L. Owner's Phone No.: L. Owner's Phone No.: L. Owner's Phone No.: L. Owner's Phone No.: J. Waste Profile # No. Type Quantity Work of Cuentity Work of Charles and Contents of the Content of Cuentity Work of Charles and Contents of the Content of Charles and Contents of the Content of Charles and Charl				4943 Austin Pan	ik Averwe	•		
Nomer's Managery Nomer's Phone No.:	f. Phone:				18			
h. Owner's Name: j. Waste Profile #	If owner of the generating facility differs fr	rom the generator,	, provide:	g. rittle.				
Weste Profile # L. Weste Shipping Name and m. Containers n. Total c. Unit Dump Total Dump Dum	1	-	•					
A container A container		Tk Evn Date	I Wasta Shir	i. Owner's Phone No.:	1			
GENERATOR'S CERTIFICATION: I hereby certify that the above named meterial is not a hazardous weets as defined by 40 CFR 281 or any applicable state law, has been properly described, classified and parkeys and is in proper condition for transportation according to applicable regulations. AND, if his signal waste is a feet man treated in accordance with the requirements of 40 CFR 281 or any applicable regulations. AND, if his signal rested in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 and in accordance with the requirements of 40 CFR 281 or any applicable regulations. I certify and the requirements of 40 CFR 281 or any applicable regulations. I certify and the requirements of 40 CFR 281 or any applicable regulations. I certify any in accordance with the wester has been accorded by 40 CFR 281 or any applicable and accordance. III. TRANSPORTER (Generator completes lila-b and Transporter completes lilc-b) B. Ponne: C. Driver Name (Print) D. Signature D. Destribution (Generator completes lila-d) C. Discrepance Indication Space: Savanaria Regional-Adultions Assort (Print) D. Destribution (Adultions Assort (Print) D. Destribution (Adultions Assort (Print) D. Destribution (Adultions Assort (Print) D. Destribution (Adultions Assort (Print) D. Destribution (Adultions Assort (Print) D. Destribution (Adultions Assort (Print) D. Destribution (Adultions Assort (Print) D. Destribution (Adultions Assort (Print) D. Destribution (Adultions Assort (Print) D. Destribution (Adultion		h. LAP. Delo		iping wame and				
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this bigen treated of a previously restricted hazardous waste as a defined by 40 CFR 261 or any applicable waste is a transment residue of a previously restricted hazardous waste based and to the Land Disposal Restrictions. Leaftly and warrant that the waste has been properly described a properly waste to the Land Disposal Restrictions. Leaftly and warrant that the waste has been properly described a properly described a properly described and properly described and properly described a properly described by 40 CFR 261 or any applicable to the Land Disposal Restrictions. Leaftly and warrant that the waste has been accorded to the Land Disposal Restrictions. Leaftly and warrant that the waste has been accorded and the warrant that the waste has been accorded and transporter completes lic-e). In the state of the state of the warrant of the warrant that the waste has been accorded and transporter completes lic-e). In the state of the state of the warrant of the warrant that the waste has been accepted and to the bask of my knowledge the foregoing is true and accurate. In the properly described and properly described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name.				***************************************	110.	1 ype	Quantity	WUVOI
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this bigen treated of a previously restricted hazardous waste as a defined by 40 CFR 261 or any applicable waste is a transment residue of a previously restricted hazardous waste based and to the Land Disposal Restrictions. Leaftly and warrant that the waste has been properly described a properly waste to the Land Disposal Restrictions. Leaftly and warrant that the waste has been properly described a properly described a properly described and properly described and properly described a properly described by 40 CFR 261 or any applicable to the Land Disposal Restrictions. Leaftly and warrant that the waste has been accorded to the Land Disposal Restrictions. Leaftly and warrant that the waste has been accorded and the warrant that the waste has been accorded and transporter completes lic-e). In the state of the state of the warrant of the warrant that the waste has been accorded and transporter completes lic-e). In the state of the state of the warrant of the warrant that the waste has been accepted and to the bask of my knowledge the foregoing is true and accurate. In the properly described and properly described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name and accurately described above by the proper shipping name.	31101420787		Non-Regu	na9 hatek		l	1	
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and peckeged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. Locally and warrant that the weste has been according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. Locally and warrant that the weste has been recorded and the requirements of 40 CFR 284 and/s no longer a hazardous weste es defined by 40 CFR 281. ADD		İ	170) Uq	мp	-	rane
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been rested in accordance with the requirements of 40 CFR 288 and/s no longer a hazardous waste as defined by 40 CFR 281. P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Completes IIa-b and Transporter completes IIc-e) a. Transposing Navagand Address: 1027 Bason Road Hinservilla, GA 31313 D. Phone: C. Differ Name (Print) S. Signature C. Differ Name (Print) B. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address:				·	+		ļ ''	088
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been rested in accordance with the requirements of 40 CFR 288 and/s no longer a hazardous waste as defined by 40 CFR 281. P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Completes IIa-b and Transporter completes IIc-e) a. Transposing Navagand Address: 1027 Bason Road Hinservilla, GA 31313 D. Phone: C. Differ Name (Print) S. Signature C. Differ Name (Print) B. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address:	!	}	1			ı	1	1
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been rested in accordance with the requirements of 40 CFR 288 and/s no longer a hazardous waste as defined by 40 CFR 281. P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Completes IIa-b and Transporter completes IIc-e) a. Transposing Navagand Address: 1027 Bason Road Hinservilla, GA 31313 D. Phone: C. Differ Name (Print) S. Signature C. Differ Name (Print) B. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address:	!	1				1		
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been rested in accordance with the requirements of 40 CFR 288 and/s no longer a hazardous waste as defined by 40 CFR 281. P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Completes IIa-b and Transporter completes IIc-e) a. Transposing Navagand Address: 1027 Bason Road Hinservilla, GA 31313 D. Phone: C. Differ Name (Print) S. Signature C. Differ Name (Print) B. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address:								
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been rested in accordance with the requirements of 40 CFR 288 and/s no longer a hazardous waste as defined by 40 CFR 281. P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Completes IIa-b and Transporter completes IIc-e) a. Transposing Navagand Address: 1027 Bason Road Hinservilla, GA 31313 D. Phone: C. Differ Name (Print) S. Signature C. Differ Name (Print) B. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address:	'		İ		1 1	i	į	
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been rested in accordance with the requirements of 40 CFR 288 and/s no longer a hazardous waste as defined by 40 CFR 281. P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Completes IIa-b and Transporter completes IIc-e) a. Transposing Navagand Address: 1027 Bason Road Hinservilla, GA 31313 D. Phone: C. Differ Name (Print) S. Signature C. Differ Name (Print) B. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address:	!]]		j	İ
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been rested in accordance with the requirements of 40 CFR 288 and/s no longer a hazardous waste as defined by 40 CFR 281. P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Authorized Agent Name (Print) P. Generator Completes IIa-b and Transporter completes IIc-e) a. Transposing Navagand Address: 1027 Bason Road Hinservilla, GA 31313 D. Phone: C. Differ Name (Print) S. Signature C. Differ Name (Print) B. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. US EPA Number d. Discrepancy Indication Space: Savaranta Regional Houghtal Landfill 84 Citting Byd Port Werthforth, GA 31407 Port Werthforth, GA 31407 I. Signature C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address:	GENERATOR'S CERTIFICATION: I here		->					<u> </u>
been rested in accordance with the requirements of 40 CFR 268 and 5 no longer a hazardous waste and warrant that the waste has AUC ADD	state law, has been properly described, cl	lassified and pack	above named mater aged, and is in prop	rial is not a hazardous waste	a as defined	1 by 40 C	FR 261 or any a	pplicable
P. Generator Authorized Agent Name (Print) D. Generator Authorized Agent Name (Print) D. Signatury D. Generator Completes IIa-b and Transporter completes IIc-e) TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) Transporter Read Hinserlia, GA 31313 D. Phone: D. Driver Name (Print) D. Destination (Generator complete IIIa-c and Destination Site completes IIId-g) D. Destination (Generator complete IIIa-c and Destination Site completes IIId-g) D. Destination (Generator complete IIIa-c and Destination Site completes IIId-g) D. Destination (Generator complete IIIa-c and Destination Site completes IIId-g) D. Port Wermforth, GA 31407 D. Signature D. Destination Site Address: C. US EPA Number D. Discrepancy Indication Space: D. Pone: D. Pone: D. Pone: D. Pone: D. Phone: D. Phone: D. Phone: D. Phone: D. Phone: D. Phone: D. Phone: D. Phone: D. Phone: D. Phone: D. Phone: D. Priable D. Non-Friable D. Phone: D. P	waste is a treatment residue of a previous	sly restricted hazar	dous waste subject	to the Land Disposal Restri	in according	J to appiid Hfv and v	cable regulations:	; AND, if this
p. Generator Authorized Agent Name (Print) p. Generator Authorized Agent Name (Print) p. Generator Authorized Agent Name (Print) p. Generator Authorized Agent Name (Print) p. Generator Completes IIa-b and Transporter completes IIc-e) p. Transposts Name (Print) p. Generator Completes IIa-b and Transporter completes IIc-e) p. Phone: p. Completes IIIa-b and Transporter completes IIIa-b p. Descriptor Name (Print) p. Completes IIIa-b p. Descriptor Name (Print) p. Descriptor Name (been treated in accordance with the requi	rements of 40 CFF	₹ 268 and is no long	ger a hazardous waste as de	afined by 40) CFR 26	1.	/85te 1125
p. Generator Authorized Agent Name (Print) I. Signatury I. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) a. Transposes Name Road Hinserilla, GA 31313 b. Phone: c. Driver Name (Print) d. Signature d. Destination (Generator complete IIIa-c and Destination Site completes IIId-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landflu 84 c ethen Byd b. Port Werthforth, GA 31407 912.954.2812 l hereby certify that the bove named material has been accepted and to the best of my knowledge the foregoing is true and accurate. II. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information:	Pail GAZZO	/	The Va	, ,				
II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) a. Transporter the Management Address: 1027 Bacon Road Hinesvilla, 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 ac citien Byd b. Port Wentyforth, GA 31407 912.954.2812 b. Port Wentyforth, GA 31407 912.954.2812 c. US EPA Number d. Discrepancy Indication Space: a. Name of Authorized Agent (Print) f. Signature v. Name of Authorized Agent (Print) f. Signature v. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Non-Friable DPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are ruly and accurately described above by the proper shipping name and are in all respects in managery according for transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in managery and the proper shipping name and are in all respects in managery and the proper shipping name and are in all respects in managery and the proper shipping name and are in all respects in managery and the proper shipping name and are in all respects in managery and the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in managery and the proper shipping name and are classified, packaged, marked and labeled/placarded.		int)	Cianatura	(W BAM. LOI OOM	ICENT		<i>I'Y</i>	
a. Transporting the program of Authorized Agent (Print) b. Phone: c. Driver Name (Print) d. Signature e. Date iii. DESTINATION (Generator complete illa-c and Destination Site completes illd-g) a. Disposal Facility and Site Address: C. U.S. EPA Number d. Discrepancy Indication Space: Savarurah Regional Industrial Landful 84 Citron Bipd Port Weithfurth, GA 31407 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Friable Weight on the proper shipping name and are classified, packaged, marked and labeled/locarded, and are in all respects in proper condition for transport operations of the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/locarded. and are in all respects in proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for transport operations of the proper condition for t						r. Date		
1027 Bacon Read Hineevilla, QA 31313 b. Phone: 912.412.2402 b. Phone: 912.412.2402 b. Phone: 912.412.2402 b. Phone: 912.412.2402 b. Phone: 912.412.2402 b. Phone: 912.412.2402 b. Phone: 913. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Citton Brd b. Port Wempforth, GA 31407 912.964.2812 c. US EPA Number d. Discrepancy Indication Space: Savannah Regional Industrial Landfill 84 Citton Brd b. Port Wempforth, 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. PN. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Phone: e. Special Handling Instructions and Additional Information: f. Phone: e. Special Handling Instructions and Additional Information: f. Priable Ron-Friable Both Seriable Show-Friable Ron	a. Transporter's Name and Address:	Talui Wimpicio.	S lia-D allu man	isporter completes lic-	<u>e)</u>	<u>-</u>		
Hitserfille, GA 31313 b. Phone: D. Phone:								
C. Driver Name (Print) d. Signature e. Date III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savarnah Regional Industrial Landful 84 Citten Byd b. Port Wenthforth, GA 31407 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Friable Mon-Friable Some fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/blacerded, and are in all respects in proper condition for transport acception to a till proper shipping name and are classified, packaged, marked and labeled/blacerded, and are in all respects in proper condition for transport acception to a till proper shipping name and are classified, packaged, marked and labeled/blacerded, and are in all respects in proper condition for transport acception to a till proper shipping name.			~ 0					
C. Driver Name (Print) d. Signature e. Date III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savarnah Regional Industrial Landful 84 Citten Byd b. Port Wenthforth, GA 31407 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Friable Mon-Friable Some fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/blacerded, and are in all respects in proper condition for transport acception to a till proper shipping name and are classified, packaged, marked and labeled/blacerded, and are in all respects in proper condition for transport acception to a till proper shipping name and are classified, packaged, marked and labeled/blacerded, and are in all respects in proper condition for transport acception to a till proper shipping name.	h Phone: 912.412.2402	b∼	- 20					
c. Driver Name (Print) DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional-Industrial Landfill 84 Cition Byd Port Wentyorth, GA 31407 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Friable Mon-Friable Source fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to transport according to transport according to transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to the proper shipping transport according to the proper shipping transport	VI COAPILALIA	710/2			. ,			
c. Driver Name (Print) DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional-Industrial Landfill 84 Cition Byd Port Wentyorth, GA 31407 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Friable Mon-Friable Source fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to transport according to transport according to transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to transport according to the proper shipping transport according to the proper shipping transport	X G LIL VILLETVE	TU X 7	The course	end!	12.12	113/4	y	
a. Disposal Facility and Site Address: Savarnah Regional Industrial Landful 84 Cition Byrd Port Wernfurth, GA 31407 912.954.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature e. Name of Authorized Agent (Print) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional information: f. Phone: e. Special Handling Instructions and Additional information:	c. Driver Name (Print)	f d. Signa	ature		e. Date			
a. Disposal Facility and Site Address: Savarinan Regional Industrial Landful 84 Citing Bid Port Wentworth, GA 31407 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature g. Date IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. US EPA Number d. Discrepancy Indication Space: g. Date v. Asbestos G. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Non-Friable Non-Friable Non-Friable Non-Friable Response to this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in respect specifies to a ville belief by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in respect specifies to a ville belief by the proper shipping name and are classified, packaged, marked and labeled/placarded.		or complete Illi	a-c and Destina	ation Site completes Ille	d-a)			
Savannah Regional Industrial Landfill 84 Cition Byd Dent Weithforth, GA 31407 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature g. Date IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. Friable	a. Disposal Facility and Site Address:							
b. Pont Wentworth, GA 31407 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: C. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: I Priable Non-Friable Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to a continuous particular and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to a continuous particular and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to a continuous particular and are classified, packaged, marked and labeled/placarded.	Savannah Regional Industria	al Landfill	1			•		
I hereby certify that the above 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: e. Special Handling Instructions and Additional information: f. Friable Non-Friable Both Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according for transport according for transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to the proper shipping name and are classified, packaged, marked and labeled/placarded.	84 CHRon Elyd	\		1				
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: C. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: d. Phone: f. ☐ Friable ☐ Non-Friable ☐ Both	1 0.		1	[]				
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: C. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: d. Phone: f. ☐ Friable ☐ Non-Friable ☐ Both	I hereby certify that the above named mat-	erial has been acc	epted and to the be	skof my knowledge the fore	accing is tru	e and ac	curate.	
e. Name of Authorized Agent (Print) I. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: I. Friable Non-Friable Both Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transcent according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transcent according to the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transcent according to the proper shipping name and are classified.	N N N	フコー	1 1		4	1_		
IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	e. Name of Authorized Agent (Print)	f Signa				17:	-10-17	
a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Won-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to a literal price.			fond Operator		g. Date			
b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both		Settible ies 145				·		
e. Special Handling Instructions and Additional information: f. ☐ Friable ☐ Non-Friable ☐ Both	a. Operator s realite and Address.		į	c. Responsible Agency Nan	ne and Add	ress:		
e. Special Handling Instructions and Additional information: f. ☐ Friable ☐ Non-Friable ☐ Both	Ĺ		1					
e. Special Handling Instructions and Additional information: f. ☐ Friable ☐ Non-Friable ☐ Both	·		1					
f. Friable Non-Friable Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to a climb by the proper shipping name		Y 1-famelion		d. Phone:	·····			
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a condition for transport according to a condition for transport according to a condition for transport according to a condition for transport according to a condition for transport according to a condition for transport according to a condition for transport according to a condition for transport according to a condition for transport according to the condition for transport according to a condition for transport according to the condition for transport according to a condition for transport according to the condition for transport according to a condition for transport according to the condition for transport according to the condition for transport according to the condition for transport according to the condition for the condition for transport according to the condition for transport according to the condition for the condition for transport according to the condition for transport according to the condition for the condition for the condition for the condition for the condition for the condition for the condition for the condition for the con	e. Opecial rightning monuchons and Audin	ional information.						
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous condition for transport according to a continuous continuous condition for transport according to a continuous continuous condition according to a continuous condition and continuous conditions are conditional continuous continuous conditions.	i							
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to a continuous described above by the proper shipping name	f. ☐ Friable ☐ Non-Friable ☐ Both	% Fri	iable	% Non-Friable				
and are accounted, packaging, migrate drie inductional distribution and all in all respects in appearing to applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and and applicable lateral and applicable	OPERATOR'S CERTIFICATION: I hereby	declare that the co	contents of this consi	ignment are fully and accura	ately descrit	oed abov	e by the proper s	hipping name
TO TO THE POST OF	and and addamica, packaged, market and	labeled/piacarded.	, and are in all resp	ects in proper condition for t	ransport ac	cording t	o applicable inter	mational and
	material garattitional togalization							
				1	l.			
g. Operator's Name and Title (Print) h. Signature i. Date	g. Operator's Name and Title (Print)	h. Signa	iture		i. Date			
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both	 Operator refers to the company which own renovation operation or both 	ns, leases, operate	as, controls, or supe	rvises the facility being dem	iolished or i	renovated	I, or the demolitic	on or

11:01 ап	INVOICE	TOTAL		NET AMOUNT	TENDERED	CHANGE
CEI I. DA FE/FILE OUT 12-10-2014 CONTAINER	UORNI	EXTENSION				stands fire terms and conditions
01 943440 w.t.nua	BN-32 PHERENCE PARENCE	NET WEIGHT 37,860	CHATHAM COUNTY REGION	:		and conducts the terms and conducts and undergrands the ferris and conducts.
NDFILL 912-964-2812	•	61,800 24,000 реѕсничной	СНАТНА		:	
ONAL LA FON BLVI	100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787	GROSS WEIGHT TARE WEIGHT	FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE		:	
SAVANNAH REGI 84 CLIF	100014 100014 7 6 D Environmente 1741 Calks Ferry E Lexington, SC 290 31101420787	SCALE IN SCALE OUT	EA FEE-HAL YD SW-CON TN SW-CON ENVIRO			
Od	100014 A & D Enviro 1741 Calks F 1741 Calks F Lexington, S		18.93 0.00 18.93 1.00			

Marth Washing The national of ϕ but the formula of the following the control of the following the



2204111

If waste is asbestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

GENERATOR (Generat	or completes	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	e 1 of	
N/A		1			J	1	
d. Generator's Name and Location:			e. Generator's Mailing A	\ddress:	<u> </u>		
Rheem Manufacturing Compa 139 Brampton Road	any		A&D Environm	tental Servic	es, LLC		
Savannah, GA 31408			4943 Austin P				
f. Phone:			Buford, GA 30 g. Phone:	518			
If owner of the generating facility differs fr	rom the generator	. provide:	g. v none.				
	• • • • • • • • • • • • • • • • • • • •	, , , , , , , , , , , , , , , , , , , ,	}				
h. Owner's Name:	·		i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		ping Name and	m. Co	ntainers	n. Total	o. Unit
		Description		No.	Type	Quantity	Wt/Vol
31101420787		Non-Regu	lace hatel				
		i i i i i i i i i i i i i i i i i i i		"	mp		- -L
					 		Tons
	1			İ	i		
1				j	1		ì
						1	
		1		1 .			
				j			
		_		l			
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mater	rial is not a hazardous was	ste as define	d by 40 C	FR 261 or any	annlicable
							waste has
1) \ C	rements of 40 CF	≥ 208 and is no long	er a hazardous waste as	defined by 4	0 CFR 26	31.	
YAUL GAZZO	16	and amount	AS Agent For bence	ator)	12/19	114	
p. Generator Authorized Agent Name (Pri	nt)	. Signature	to agree to govern		r. Date		
II. TRANSPORTER (Gene			enorter completes III		1. Date		·····
a. Transporter's Name and Address:	rater complete	o na o ana man	isporter completes in	J-61			
	4						
1027 Bacon Road Hinesylle, GA 31313	BN32						
	DNJL	•					
	1			_1			
X Clarence Littles	IX I	'/)	Little		2 11	lichy	
c. Driver Name (Print)	d. Sign	Sture Sture	Mario	7	7 12	16/14	
III. DESTINATION (Generat			tion City completes t	1 e. Date		***	
a. Disposal Facility and Site Address:	ioi complete ili	a-c and Desuna	tion Site completes i	ilia-g)			
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Indi	cation Space) :		
Savannah Regional Industria	al Landiiii						
84 Ciffon Blvd	\		\ \ \				
b. Port Wentworth, GA 31407	912.964.2812		X)				
I hereby certify that the above named mat	erial has been ac	cepted and to the be	st of my knowledge the fo	regoina is tr	ue and ac	curate.	
1/// 1/14		1					
e. Name of Authorized Agent (Print)	1.00	· V			<u> </u>	60-14	
	f. Signa	fure		g. Date			
	completes IVa	- and Operator	complete IVg-i)				
a. Operator's Name and Address:	_		c. Responsible Agency N	ame and Ad	dress:		
			- •				
		1					
b. Phone:		1	d. Phone:				
e. Special Handling Instructions and Addit	ional Information:	<u>-</u>	d. Fliolig.				
<u> </u>							
f. Friable Non-Friable Both	% Fr	iable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby	declare that the c	contents of this cons	ignment are fully and accu	rately descr	bed abov	e by the proper	shipping name
and are classified, packaged, marked and national governmental regulations.	iabeled/placarded	s, and are in all resp	ects in proper condition fo	r transport a	ccording	to applicable int	emational and
goronanonan reguatoria.							
	1						
g. Operator's Name and Title (Print)	h. Signa	ature		i. Date		· · · · · · · · · · · · · · · · · · ·	
*Operator refers to the company which ow repoyation operation or both	ns, leases, operat	es, controls, or supe	ervises the facility being de	molished or	renovate	d, or the demoli	tion or
renovation operation of both			• •				· · · · ·

						STATE OF THE PARTY
NAME OF THE PARTY						
					Ä	
\$417.00 \$417.00						
200 (1911) 4. (1914)				1		
美名英 名 2000年 - 1000年	Service .	Section of the second				
	Mmy	O . BRUTAN	SIS		(7)	uni serese
CHECKE	Mot.	O C SUNATURE		12	-	110) ac
	anti ebneterabnu br	O CHARLES OF THE CO.	URUBO IIO WANIDADA CUE	use or transmission		
	ant abnatasabnu bi	O CHARLES OF THE CO.	URUBO IIO WANIDADA CUE			
304240 conditions ame	anti ebneterabnu bi	O CHARLES OF THE CO.	URUBO IIO WANIDADA CUE	use or transmission		
TENDERS TENDERS	anti ebneterabnu br	O CHARLES OF THE CO.	URUBO IIO WANIDADA CUE	use or transmission		
TENDEPEY CONDITIONS STATES	anti ebneferabnu bi	O CHARLES OF THE CO.	URUBO IIO WANIBOOD CUE	use or transmission		
TENDEPEY CONDITIONS STATES	Mb (f	O CHARLES OF THE CO.	URUBO IIO WANIBOOD CUE	use or transmission		
TENDEPEY CONDITIONS STATES	anti ebneterabnu br	O CHARLES OF THE CO.	URUBO IIO WANIBOOD CUE	use or transmission		
TENDEPEY CONDITIONS STATES	anti ebneferabnu br	O CHARLES OF THE CO.	URUBO IIO WANIBOOD CUE	use or transmission		
TENDERS TENDERS	Mo ff	O CHARLES OF THE CO.	URUBO IIO WANIBOOD CUE	use or transmission		
TENDERS TENDERS	anti ebneterabnu br	O CHARLES OF THE CO.	URUBO IIO WANIBOOD CUE	use or transmission		
TENDERS TENDERS	anti ebneferabnu br	O CHARLES OF THE CO.	URUBO IIO WANIBOOD CUE	to tiernad no rnamucob sinti gnungis	subivion bangis	Mby eq John s
TENDEPEY CONDITIONS STATES		s that he or she has read at	ustomer acknowledges	ECOVERY FEE 5	FUEL R	Mb/ eq
TENDERS TENDERS		O CHARLES OF THE CO.	ustomer acknowledges	ECOVERY FEE signing this document on behalf of the document on behalf of the fire the authority to sign the set the se	erse side and that signed individual EUVIEC FOR ENVIRO	Mb/ eqt = 1 South set
TENDERS TENDERS	D	COUNTY REGIO:	MAHTAHD Customer acknowledges The document on benefit	THE SOLF	erse side and that signed individual EUVIEL R	Mb/ eq. 11 John 5-1
10HIND and conditions	D	s that he or she has read at	MAHTAHO CHATTARO Sustainer acknowledges this document on bengin	TON TRANS, TRUCK TONERY FEE Signing this document on behalf of 0 Signing this document on behalf of 0	EUFL RESERVED STREET BE SMAIRCOM	Mb/ 644 12 10 10 10 10 10 10 10 10 10 10 10 10 10
EXTENSION TAX TOTAL THE AMOUNT TENDERSO TEN	ETAR 5	COUNTY REGIO:	CHATHAM CHATHAM MAHTAHO Customet acknowledges this document on benefit	DESC TON TRANS, TRUCK IN SOIL SIGNING this document on behalf of 0 Signing this document on behalf of 0	EUFL RESERVED STREET BE SMAIRCOM	Mb/ eq. 11 John 5-1
TWECOMMET TOTAL TOTAL TENESION TOTAL TO	OOT, EE STAR STAR	COUNTY REGIO:	CHATHAM CHATHAM CHATHAM CHATHAM CHATHAM Customet acknowledges his document on benefit	DESCOVERY FEE 5 signing this document on behalf of 0 signing this document on behalf of 0 signing this document on behalf of 0	etse side and that signed individual EUVIEC E	Mb/ eq. 11 South 5-1 11 - 1 12 - 1 13 - 1 14 - 2 15 - 2 17 - 2 18 - 2
TWECTAL TOTAL TOTAL AND THAT AND LINE TENTERSION TAX TOTAL TENT	ETAR 5	COUNTY REGIO:	CHATHAM CHATHAM MAHTAHO Customet acknowledges this document on benefit	DESC TON TRANS, TRUCK IN SOIL SIGNING this document on behalf of 0 Signing this document on behalf of 0	ENEL RESTANTED	Mb/ eq. 11 South 5-1 11 - 1 12 - 1 13 - 1 14 - 2 15 - 2 17 - 2 18 - 2
TWECOLUMN TAX TOTAL TOTAL AND LINE AND LINE TOTAL AND LINE	28.31 007,28 33,700	NET TONS NET WEIGHT COUNTY REGION COUNTY REGION Strat no or she has read at	CHATHAM CHATHAM CHATHAM CHATHAM CHATHAM Customet acknowledges his document on benefit	DESCOVERY FEE 5 signing this document on behalf of 0 signing this document on behalf of 0 signing this document on behalf of 0	etse side and that signed individual EUVIEC E	Mb/ 644 15 15 15 15 15 15 15 15 15 15 15 15 15
TWECHT TOTAL TEXTENSION TAX TOTAL TEXTENSI	28.81 007,88 31AR	COUNTY REGION WET TONS WET TONS WET TONS WET TONS	CHATHAM CHATHAM CHATHAM CHATHAM CHATHAM Customet acknowledges his document on benefit	SEISS WEISHT DESCOVERY FEE 5 SIGNING this document on behalf of 0 SIGNING this document on behalf of 0 DESCOVERY FEE 5 DESCOVERY FEE 5 SIGNING this document on behalf of 0	ENET BE ENT BE ENT BE ENT BE ENT BE ENT BE ENT BE ENT ENT ENT ENT ENT ENT ENT ENT ENT EN	Mb/ eq. 11 South st. 12 12 - 12 12 - 12 13 - 12 14 - 12 15 - 12 15 - 12 15 - 12 15 - 12 16 - 12 17 - 12 18 - 1
TUBOUNT TAX TOTAL TENDENT TENENT TENDENT TE	28.81 007,88 31AR	COUNTY REGION WET TONS N	CHATHAM CHATHAM CHATHAM CHATHAM CHATHAM Customet acknowledges his document on benefit	SELSS WEIGHT OF SERVING OF STATE OF STA	ENET BE ENTER BE ENTE	Mb/ 641 11 10 10 10 10 10 10 10 10 10 10 10 10
TABOUTER INVOICE INVOICE INVOICE TOTAL AND AND AND AND AND AND AND AND AND AND	16.85 33,700 33,700	COUNTY REGION NET TONS NET TONS NET TONS NET TONS NET TONS NET TONS NET TONS	CHATHAM CHATHAM CHATHAM CHATHAM CHATHAM Customet acknowledges his document on benefit	SEISS WEISHT DESCOVERY FEE 5 SIGNING this document on behalf of 0 SIGNING this document on behalf of 0 DESCOVERY FEE 5 DESCOVERY FEE 5 SIGNING this document on behalf of 0	ENET BE ENTER BE ENTE	MB/ 644 12 MB/ 644 12 MB/ 68 6 MB
TIMBOLINER INSCIPLIANT TAX TOTAL AND AND AND AND AND AND AND AND AND AND	33,700 33,700 33,700	COUNTY REGION WET WEIGHT NET TONS	E 6, 4 60 22, 7 60 CHATHAM CHATHAM CHATHAM	TAL SASTICAS, TLS Signing this document on behalf of a sign to sign t	ENET BE ENTER BE ENTE	MB/ 644 12 15 15 15 15 15 15 15 15 15 15 15 15 15
TABOLITA INVOICE IN	. — . — . — . — . — . — . — . — . — . —	COUNTY REGION WET WEIGHT NET TONS NET TONS NET TONS REFERENCE ACHOLE AC	CHATHAM CHATHAM CHATHAM CHATHAM CHATHAM Customet acknowledges his document on benefit	STH, GA 912 181 Services, 112 183 MENTAL FEE 5 MMENTAL FEE 5 MMENTAL FEE 5 Signing this document on behalf of 0	ENET BE ENTER BE ENTE	Mb/ eq. 12
TABOUTER INVOICE INVOICE INVOICE TOTAL AND AND AND AND AND AND AND AND AND AND		COUNTY REGION TOUNTY REGION NET TONS NET TO	S181-2812 S2, 460 S2, 760 CHATHAM CHATHAM CHATHAM	TAL Serrices, ILC SELSS WEIGHT NUMBURAL FEE 5 NUMBURAL FEE 5 SECOVERY FEE SIGNING this document on behalf of 0	FUEL RESIDENCE TO SERVING THE SERVING THE RESIDENCE TO SERVING THE RESIDENCE TO SERVING THE SERVING THE RESIDENCE TO SERVING THE S	Mb/ eq. 12



2204112

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes is	а-г)					
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number		c. Page	a 1 of	· ····
		L			1	1	ı
d. Generator's Name and Location: Rheam Manufacturing Compa	ıny		e. Generator's Mail	ing Address:	res IIC		
139 Brampton Road Savannah, GA 31408			4943 AUS	stin Park Avenue	DEG,		
f. Phone:			Buford, G	A 30518			
If owner of the generating facility differs from	om the generator,	provide:	g. Phone:				
h. Owner's Name:	-						
j. Waste Profile #	k. Exp. Date	1 Weste Shir	i. Owner's Phone N pping Name and				
	n. wyp. bolo	Description	Jping Name and	m. Co No.	ontainers Type	n. Total	o. Unit
					Туре	Quantity	WIVOI
31101420787	ı	Non-Recu	ulated Soil			1	1
	<u> </u>		HOLEG GOLL	1	hub	1	Tons
I					+	 	1010
i		[[1	1	
						1	
1					+	 	
				l			
				ĺ		Ì	
GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, cla	y certify that the a	above named mate	rial is not a hazardou	s waste as define	ed by 40 C	FR 261 or any	applicable
Waste is a treatment residue of a proviously	ly rostricted homes	deve weeks and lead	er condition for transp	pertation according	ng to applic	cable regulation	ns; AND, if this
been treated in accordance with the require	ements of 40 CFP	1268 and is no long	ger a hazardous wast	Restrictions, i co e as defined by	artify and v 40 CFR 26	varrant that the	waste has
PAUL GAZZO	1/2	1-11000					
p. Generator Authorized Agent Name (Print		Signature /	CAS Obent For	5 chicks no	121919	<u>y</u>	
II. TRANSPORTER (General		e lie_h and Trar	contac complete	#	r. Date		
a. Transportaria Nazagrapid Address:	ator complete) ha-b and man	ishourer combiere	S IIC-e)			
1027 Bacon Road	•						
Hinesville, GA 31313	BN-	-70					
b, Phone: 912.412.2402	10 v	- 68					
XTC Nell	10	- ())	111	N/	1.1.	,	M
c. Driver Name (Print)	d. Signat	J. C. Ha	44	12/2	10/14		
III. DESTINATION (Generato	or complete ills	Coard Dectine	Ain Oite complet	e. Dáte			
a. Disposal Facility and Site Address:	a combiere ma	c. US EPA Num					
Savannah Regional Industrial	i i andfil	G. US EFA NUM	d. Discrepancy	Indication Space	9:		
84 Cillion Blvd	Cangin	1					
6. Port Wentworth, GA 31407	912.964.2812	+					
hereby certify that the above named mater	rial has been acc	ented and to the be	est of my knowledge ti	he foresoina ie tr	abd aa		
(XK))		JK J		TO TOTE GUILLIA IS U	UE apro por	Alfaie.	
e. Name of Authorized Agent (Print)	f. Signatu				とル	2114	
IV. ASBESTOS (Generator co	ompletes IVa-1	#e Operator	complete IV.a.i	g. Date			
a. Operator's Name and Address:	Diffpietes (Vu-)						
and the same of th		1	c. Responsible Agend	cy Name and Ad	dress:		
b. Phone;			4 St.				
e. Special Handling Instructions and Additio	onal Information:		d. Phone:	 			
· -							
f. ☐ Friable ☐ Non-Friable ☐ Both	0/ Est	- A. s _					
OPERATOR'S CERTIFICATION: I bereby d	% Fria	entonin of this sound	% Non-Friable				
and are classified, packaged, marked and la national governmental regulations.	abeled/placarded,	and are in all resp	ects in proper condition	accurately descri on for transport a	ibed above	by the proper	shipping name
national governmental regulations.		•		m tor unitabols a	acoroning a) abbacaose me	emational and

g. Operator's Name and Title (Print)	h. Signatu	iure		i. Date			
*Operator refers to the company which owns	s, leases, operater	s. controls, or supe	rvises the facility bein	n demolished or	renovated	or the demolit	lion or
renovation operation or both	***************************************		· · · · · · · · · · · · · · · · · · ·	8	10101010	, Or the demons	ion or

SAVANNAH 1 84 C 84 C 84 C 84 C 85 C 86 C 86 C 86 C 87 C 87 C 87 C 87 C 87 C 88 C 80 C	Site 11CKET # CELL 943444		DATE/TIME IN	12-10-2014 11:11 am 12-10-2014 11:11 am vehicle	BN-2C REPRESENCE 2204113 INVOICE	BILL OF LAGING	NET TONS 18.55 NET WEIGHT 37,100 INBOUND	RATE EXTENSION TAX TOTAL	CHATHAM COUNTY REGION	CHATHAM COUNTY REGION		THE AMOUNT	TENDERED	this document on behalf of Customer ocknowledges that he or she has peed and understands the terms and conditions CHANGE	SIGNATURE ON CHECK!
	- (CLIFTON BLVI		Services,	• m	31101420787	GROSS WEIGHT TARE WEIGHT		EA FEE-HAUL/TRANS/TRUCK	TN SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE				The undersigned individual signing this document on behalf of Customer sets	On the lover by section and then the section are the manners of the section and the section an



2204113

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes is	а-г)					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	1 of	· · · · · · · · · · · · · · · · · · ·
N/A d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	iny	<u> </u>	e. Generator's Mailing A A&D Environm 4943 Austin Pa	ental Servic	es, LLC	1	
Savannan, GA 31408			Buford, GA 305				
If owner of the generating facility differs fr	om the generator	provide.	g. Phone:				
	om are gonerous,	, provido.					
h. Owner's Name: i. Waste Profile #	k. Exp. Date	I Wasta Shir	i. Owner's Phone No.:	- Ca-	4-1		
j	K. Exp. Date	Description	ping Name and	No.	tainers Type	n. Total Quantity	o. Unit Wt/Vol
·			· · · · · · · · · · · · · · · · · · ·				
31101420787		Non-Regu	riated Soil	Di	mp		
			1				Tons
		· ·					
				1			
				 			_
				1			
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous was	te as define	d by 40 C	FR 261 or any	applicable
state law, has been properly described, cl waste is a treatment residue of a previous	lassified and nack:	and is in ama	Wr condition for tenaceastati	ion ooosadi-		aabla	AAIR WALL
been treated in accordance with the requi	rements of 40 CF	R 268 and is no lon	ger a hazardous waste as	defined by 4	ruiy and v 0 CFR 26	varrant that the i1.	waste has
VAUL GAZZO	1.1	la la	1 AS Agent For Go	contra	12/9	ilm	
p. Generator Authorized Agent Name (Pri	nt) q	. Signature	The state of the s	00,	r. Date	117	···
II. TRANSPORTER (Gene			nsporter completes lic	:-e)	50.0		
a. Transporter's Name and Address:				. <u> </u>	· · · · · · · · · · · · · · · · · · ·		
1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	BN-2.	7.					
b. Fridie.	17.2	Short I	TAKE	11/	-,		
X DORRU LAHRS	1 8	Herion	XXIII		7/10/	iy	
iii. DESTINATION (General	d. Sign		otion Cita completes II	e. Date		·	
a. Disposal Facility and Site Address:	tor complete in	c. US EPA Nun				·	
Savannah Regional Industri	al I andfill	C. US EFA Nui	d. Discrepancy indic	cauon Spaci	∋ :		
84 Ciffon Bird	ai Laiwiii						
b. Port Wentworth, GA 31407	912.964.2812				1	2	
I hereby certify that the above named mat	terial has been ac	cepted and to the b	est of my knowledge the fo	regoing is tr	ue and ac	curate.	
		$\mathcal{N}(\mathcal{N})$		1) II	NH.	
e. Name of Authorized Agent (Print)	f. Signa			g. Date	1	- 	
IV. ASBESTOS (Generator	completes IVa	-f and Operator	complete IVg-i)				
a. Operator's Name and Address:			c. Responsible Agency N	ame and Ad	dress:	****	
h Shara			. =				
b. Phone: e. Special Handling Instructions and Additional Handling Instruction Ha	tional Information	1	d. Phone:				
or openin randing monocond and rade							
f. ☐ Friable ☐ Non-Friable ☐ Both	O/ F	riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby				rately descr	ibed abov	e by the prope	r shippina name
and are classified, packaged, marked and	i labeled/placarde	d, and are in all res	pects in proper condition fo	r transport a	eccording	to applicable in	ternational and
national governmental regulations.				T			
							
g. Operator's Name and Title (Print) *Operator refers to the company which over	h. Sign		pervises the facility being de	i. Date	renovate	d, or the demot	ition or
renovation operation or both	,		and the state of the sta		,	,	

17: 10: 6d Trans CHECK 17/7 The understigned individual signing this document on behalf of Customer sex-nowledges that he or she cast and understands the teverse side and that he or she has the authority to sign this document on behalf of the customer. CHANGE JENSENEL THE CHANGE TEN ESS DESIDERS TERS 30 1 : III TYINIMINII 1.00 CHYLHYW CODNIX RECION TTIS INTO-MS 21.90 20.00 CHATHAM COUNTY REGION MOUSE SMART LUAR+337 77101 XAT 21.90 EXLENSION **BYAR** DESCRIPTION 'ALD IMBOOMD 43,800 NET WEIGHT 27,400 THEIEW BEAT SOMEE ::: 21.90 NET TONS 71,200 SHORE MEIGHT ing a smitstancental Services, LLC 1741 Selvices, LLC 1741 Selvington, SC 18173 _=:_:::::::::E BIFF OF LADING INVOICE SSO411¢ BELEBENCE ME-5308 CONTAINER VEHICLE 12-10-2014 12-10-2014 TUO BMIT/BTAG O DESUZ NI BMITISTAG 912-964-2815 FIRE MENIMORTH, GA WEIGHMASTER 943445 84 Crielon Brad IO SHIELLIAN REGIONAL LANDFILL TICKET # SILE



2204114

If waste is asbestos waste, complete Sections I, II, III and IV if waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	tor completes is	a-r)							
a. Generator's US EPA ID Number N/A		b. Manifest Docum	ment Number			c. Page	c. Page 1 of		
d. Generator's Name and Location: Rheem Manufacturing Comp 139 Brampton Road Savannah, GA 31408 f. Phone:	any	1	e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:						
If owner of the generating facility differs f	rom the generator,	provide:	g. Filone.						
h. Owner's Name:			i. Owner's Phone No						
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	0.:	m. Co	ntainers n. Total o. Unit			
	<u> </u>	Description			No.	Туре	Quantity	WiVol	
31101420787		Non-Regu	dated Soll	1	DI	шb		Tons	
GENERATOR'S CERTIFICATION, 1 hour									
GENERATOR'S CERTIFICATION: I here state law, has been properly described, of waste is a treatment residue of a previous been treated in accordance with the requirement.	sassilieo and packi sly restricted bazai	egea, ana is in prop Mous waste subject	er condition for transp	Postrio	n accordir	ig to appli	cable regulation		
YAUL GAZZO	12		AS Agent For 60			12/9			
p. Generator Authorized Agent Name (Pr		. Signature	V			r. Date		···	
II. TRANSPORTER (Gene	erator complete	s lla-b and Trai	nsporter complete	s IIc-e	e)				
a. Transportage Name and Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone:	PAN CONTRACTOR	MOUNCY	osperator 53	08		110/14			
c. Driver Name (Print)	Jest A Signi	ature /	starte.		e. Date	110119	·		
III. DESTINATION (Genera			ation Site complet	es Illo					
a. Disposal Facility and Site Address:		c. US EPA Num				e:			
Savannah Regional Industri 84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812					1	1		
Legeby certify that the above named ma	terial has been acc	cepted and to the be	est of my knowledge th	he fore	going is t	ue and ac	curate.		
					10	}- L	2/16/		
e. Name of Authorized Agent (Print)	f. Signa				g. Date	11-	1		
IV. ASBESTOS (Generator a. Operator's Name and Address:	completes IVa	-f and Operator	c. Responsible Agend	cy Nan	ne and Ad	dress:			
b. Phone:			d. Phone:						
e. Special Handling Instructions and Addi	tional Information:								
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and	v declare that the c	iable contents of this cons d, and are in all reso	% Non-Friable signment are fully and sects in proper condition	accura	itely descr	ibed abov	e by the proper	r shipping name	
national governmental regulations.	· · · · · · · · · · · · · · · · · · ·						- applicable III	ierriauoriai ariū	
g. Operator's Name and Title (Print)	h. Signa	ature	andson the facility of		i. Date				
*Operator refers to the company which ov renovation operation or both	viis, idases, operat	co, controls, or sup	ervises the facility bein	ng dem	iolished of	renovate	d, or the demoli	ition or	

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 58,280 NE

SITE 01	943452	CELT
weighm Miche	· · - · - · - · ·	
	0-2014 12:09 pm	DATE/TIME OUT 12-10-2014 12:09 p
VEHICLE BN-32		CONTAINER
REFEREI 20041	15	INVOICE
BILL OF	LADING	

≽ ату.	SCALE SCALE		,	NET TONS NET WEIGHT	17.14 34,280	I	NBOUND	
	UNIT		DESCRIPTION		RATE	EXTENSION	TAX	7074
17.14 0.00	,	FEE-HAUL/TRANS/TRUCK	CHATHAM	COUNTY REGION			1.22	TOTAL
17.14 1.00 1.00		SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	СНАТНАМ	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.

TENDERED CHANGE WIEDRY

NET AMOUNT



2204115

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

.00
-
*

I. GENERATOR (General	itor completes la-r	r)					
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		- Dan	- 4 -4	
N/A					c. Page	10 T C	
d. Generator's Name and Location: Riteem Manufacturing Comp.	ASAV		e. Generator's Mailing A	Address:			
139 Brampton Road	dily		A&D Environm 4943 Austin Pa	nental Servic	;es, LLC		
Savannah, GA 31408			Buford, GA 306				
If owner of the generating facility differs for	from the generator or		g. Phone:				
	TOTAL GENERALOI, PIC	Ovide:					
h. Owner's Name: j. Waste Profile #	Te. Con Date	1 111 -1- OL:	i. Owner's Phone No.:				
). Waste Fluide #	k. Exp. Date	I. Waste Ship Description	pping Name and		ntainers	n. Total	o. Unit
		Description.		No.	Туре	Quantity	Wt/Vol
31101420787							
31 IU142Ur07		Non-Regu	lated Soli	Di	итр		
	+	+		+	 	 	Tons
	İ	İ		1		İ	
	+	+			 		
	Ì			'	1		
	İ				1	}	
GENERATOR'S CERTIFICATION: I here state law, has been properly described.	shy certify that the abr	our named mate	alal is not a harandaya yan	1-9-4	<u></u>		
state law, has been properly described, consistency waste is a treatment residue of a previous	lassified and package	d. and is in prop	nai is not a nazarovos was er condition for transportal	ile as cenne Lon accordir	d by 40 c	FR 261 or any	applicable
waste is a treatment residue of a previous been treated in accordance with the requi	sly restricted hazardor	us waste subject	to the Land Disposal Rest	trictions. I ce	g to app artify and a	cable regulations warrant that the	S; AND, IT this
17.16	irements of 40 CFR-26	68 and is no long	ger a mazarucus waste as c	denned by 4	0 CFR 26	1.	Waste Hos
YAUL GAZZO	Va	Janos	As agent For beace	onto)	12/9/1		
p. Generator Authorized Agent Name (Pri	int) q. si	ignature	3 - 0	4.00	r. Date	<u>y</u>	
II. TRANSPORTER (Gene			renorter completes ils	~ ~\	I. Date		
a. Transporter's Name and Address:	THE STATE OF THE S	id b city	וו בטוטוקוווטט ווטוטקבו	;-e;			
1027 Bacon Road	0						
Hinesville, GA 31313	KI	U-32					
b. Phone: 912.412.2402	$\boldsymbol{\mathcal{O}}$, ,,,					
X Glarone Littler.	TV	PN	D 53.4	1	1 - 1		
c. Driver Name (Print)		Clauss.	. ditta	KI	2/10/1	¥	
	d. Signatur	<u>.e</u>		e. Date			
a. Disposal Facility and Site Address:	1	c. US EPA Num	ber d. Discrepancy Indic	cation Space	a:	***************************************	
Savannah Regional Industria	al Landill						
84 Clifton Bird b. Port Wentworth, GA 31407	~ 010 0E4 0910	(
	١ .	·					
I hereby certify that the above named mat	lenal has been accepted	ed and to the be	st of my knewledge the for	regoing is tn			
1 1/1 G CCAC-	1					2-18-16	-1
e. Name of Authorized Agent (Print)	f. Signature			g. Date			
IV. ASBESTOS (Generator	completes IVa-f a	and Operator	complete IVg-i)				
a. Operator's Name and Address:			c. Responsible Agency Na	ame and Ad	drass:		
				11110 with	Ji Gao.		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Additi	tional Information:		d. i none.				
f. ☐ Friable ☐ Non-Friable ☐ Both	% Friable	-	N Mar Palable				
OPERATOR'S CERTIFICATION: I hereby	v declare that the conte	tente of this consi	% Non-Friable ignment are fully and accur	tabe degre	'had ahay	- L. the conner	· · · · · · · · · · · · · · · · · · ·
and the second of the second o	labeled/placarded, ar	nd are in all resp	ects in proper condition for	r transport a	ccording f	applicable into	Shipping name emational and
national governmental regulations.			•			3 opp	Allener
g. Operator's Name and Title (Print)	h. Signature	.6		i. Date			
*Operator refers to the company which ow	ns, leases, operates,	controls, or supe	rvises the facility being de	molished or	renovater	d. or the demolif	ion or
renovation operation or both						,	

SAVANNAH REGIONAL LANDFILL (SITE TICKET # CELL 84 CLIFTON BLVD 01 943456 PORT WENTWORTH, GA WEIGHMASTER 912-964-2812 CUSTOMER Michelle J 100014 DATE/TIME IN DATE/TIME OUT A & D Environmental Services, LLC <u>12-10-2014</u> 12:18 pm 2-10-2014 12:18 pm VEHICLE 1741 Calks Ferry Rd. CONTAINER BN-28 Lexington, SC 29073 REFERENCE 31101420787 2204116 BILL OF LADING INVOICE SCALE IN GROSS WEIGHT 54,120 NET TONS SCALE OUT 15.68

TARE WEIGHT 22,760 NET WEIGHT 31,360 INBOUND OTY. UNIT DESCRIPTION RATE 15.68 EXTENSION ΕA FEE-HAUL/TRANS/TRUCK TAX TOTAL CHATHAM COUNTY REGION 20.00 YD 15.68 TN SW-CONT SOIL CHATHAM COUNTY REGION 1.00 ENVIRONMENTAL FEE 5 1.00 FUEL RECOVERY FEE

C.2 11

The undersigned individual signing this document on behalf of Customer scknowledges 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.

TENDERED CHANGE

NET AMOUNT



#

If waste is NOT asbestos waste, complete Sections I, II and III If waste is asbestos waste, complete Sections I, II, III and IV

9114022

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation or both I. Date h. Signature g. Operator's Name and Title (Print) national governmental regulations. and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and 1. Erisble | Mon-Frisble | Both % Frisble contents of this consignment are fully and accurately described above by the proper shipping name OPERATOR'S CERTIFICATION: I hereby deciare that the contents of this consignment in proper formal and accurately described above by the proper shipping name of the proper f. | Friable e. Special Handling Instructions and Additional Information: d. Phone: c. Responsible Agency Name and Address: a. Operator's Name and Address: ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) 9. Date f. Signature e. Name of Authorized Agent (Print) ₹.) I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. 912.964.2812 POR WEITWORD, GA 31407 84 CILLON BING Savantal Regional Industrial Landfill d. Discrepancy Indication Space: c. US EPA Number a. Disposal Facility and Site Address: DESTINATION (Generator complete Illa-c and Destination Site completes Illa-9) d. Signafure C. Driver Name (Print) 1/01/21 b. Phone: 912,412,2402 Hinseville, GA 31313 DEON ROSE TSOIL a. Transportering Marchand Address: TRANSPORTER (Generator completes lia-b and Transporter completes ilc-e) r. Date p. Generator Authorized Agent Name (Print) 11/31 022497M waste is a freatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261. state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable SHOT dutha Non-Regulated Soil 31101420787 Quantity IOVVW Type Describtion JinU .o m. Containers IstoT .n I. Waste Shipping Name and k. Exp. Date # elflor9 etseW .[i. Owner's Phone No.: h. Owner's Name: If owner of the generating facility differs from the generator, provide: g. Phone: f. Phone: Buford, GA 30518 Savannah, GA 31408 SUND WA WIED RITHLY EAGL baoA notamana est e. Generalor's Maling Address Services, LLC d. Generators Name and Location: Riteem Manufacturing Company c. Page 1 of WIN b. Manifest Document Number a. Generator's US EPA ID Number GENERATOR (Generator completes la-r)

CUSTOMER 20.00 20.33 1741 Calks Ferry Rd. Lexington, SC 29073 20.33 A & D Environmental Services, LLC 31101420787 100014 1.88 88 1.00 SCALE IN SCALE OUT UNIT ď ΕA PORT WENTWORTH, GA ENVIRONMENTAL FEE FUEL RECOVERY FEE SW-CONT SOIL FEE-HAUL/TRANS/TRUCK SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD GROSS WEIGHT TARE WEIGHT ဟ 912-964-2812 DESCRIPTION 27,400 68,060 CHATHAM COUNTY REGION CHATHAM COUNTY REGION NET WEIGHT NET TONS DATETIME IN
12-10-2014
VEHICLE
NE-5308
REFERENCE
2204117
BILL OF LADING Michelle J WEIGHMASTER TICKET ! 20.33 943459 RATE 12:26 pm EXTENSION 12-10-2014 container CELL INBOUND TAX INVOICE MET AMOUNT 12:26 pir TOTAL

SITE

RS-F042UPR (07/12)

The undersigned individual eigning this document on behalf of Customor acknowledges that he or she has road an on the raverse side and that he or she has the authority to sign this document on behalf of the customy.

CHANGE

TENDERED

CHECK



2204117

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

#	
स	

I. GENERATOR (Gener	ator completes I	la-r)						
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ment Number		c. Page	1 of		
d. Generator's Name and Location: Rheem Manufacturing Cor 139 Brampton Road Savannah, GA 31408 f. Phone:	прапу	1	e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:					
If owner of the generating facility differ	s from the generator	r, provide:		·····	-			
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	oping Name and	m. Con No.	tainers Type	n. Total Quantity	o. Unit Wt/Vol	
31101420787		Non-Regu	utated Soil	Du	mp		Tons	
GENERATOR'S CERTIFICATION: It is state law, has been properly described waste is a treatment residue of a previous treated in accordance with the re-	d, classified and pack lously restricted haze	kaged, and is in prop ardous waste subiec	per condition for transportation to the Land Disposal Restri	on accordin ictions. I ce	g to applicatify and	icable regulation warrant that the	ns; AND, if thi	
PAUL GAZZO		Dr. Dans	lasagent for Gener			Fly		
p. Generator Authorized Agent Name	(Print)	q. Signature	Marabon, 10. Amen		r. Date	1717		
······	·		nsporter completes lic-	-e)				
a. Transporter's Name and Address: BEN Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402 c. Driver Name (Print)	5308	Lex III	Joshonge	/ / 7 e. Date	10/1	У		
III. DESTINATION (Gene	erator complete		ation Site completes III					
a. Disposal Facility and Site Address:		c. US EPA Nu	mber d. Discrepancy Indic	ation Spac	e:			
Savannah Regional Indi 84 Citton Bivd b. Port Wentwork, GA 314	\	, (
I hereby certify that the above named	material has been a	ccepted and to the	pest of my knowledge the for	regoing is t	ue and a	ccurate.		
Miche		<i>\</i>	W		121	9/14		
e. Name of Authorized Agent (Frint)		nature		g. Date	-7	7		
IV. ASBESTOS (Genera	tor completes IV	a-f and Operato						
a. Operator's Name and Address:			c. Responsible Agency Na	ame and Ad	idress:			
b. Phone:e. Special Handling Instructions and A	Additional Information	n:	d. Phone:					
f. Friable Non-Friable OPERATOR'S CERTIFICATION: I he and are classified, packaged, marked national governmental regulations.	rehy declare that the	Friable e contents of this co ded, and are in all re	% Non-Friable nsignment are fully and accu spects in proper condition for	rately desc r transport	ribed abo according	ove by the prope g to applicable in	er shipping na nternational a	
				1				
g. Operator's Name and Title (Print) *Operator refers to the company which	h. Sig	gnature rates, controls, or su	pervises the facility being de	i. Date emolished o	r renova	ted, or the demo	olition or	
renovation operation or both								

OUT 12:28 FIII	INBOUND	Se Marie
DATE/TIME OUT 12-10-2014 CONTAINER	IN	p terms and condition
943460 J. 14 12228 tun.	20.58 41,160 AATE	and understands th
STE TICKET # 94 01 01 01 01 01 01 01 01 01 01 01 01 01	NET FONS NET WEIGHT 480 CHATHAM COUNTY REGION CHATHAM COUNTY REGION	ledges that he or she has read behalf of the customper
NDFILL 912-964-2812 1LC	62,640 21,480 DESCRIPTION CHATHAM	behalf of Customer acknow
NNAH REGIONAL LA 84 CLIFTON BLVI HORTH, GA 10141 Services, I	ROSS WEIGHT TARE WEIGHT FRANS/TRUCK OIL NITAL FEE 'S WERT FEE	the testiment on behalf of Customer acknowledges that he or she has read and understands the terms.

RS F042UPR (07/12)



2204118

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number NA d. Generator's Name and Location The part of Control of the Control of Company 13 Barriage (Control of Cont	I. GENERATOR (Generate	or completes I	a-г)							
d. Generators Nume and Location 138 Barapton Rod 159 Barapton Rod 150 Bara	a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page	1 of			
ASA Autill park Avenue Barrange Road Autill park Avenue Road Autill park Avenue Barrange Road Autill park Avenue Road Autill park Avenue Road Autill park Avenue Barrange Road Autill park Avenue Road Autill park										
t. Phone: Operator Name: Lower's Phone Lower's Phone No. Type Cuantity Wilvol	139 Brampton Road	iny		4943 Austin Park Avenue						
Comer's Pinne No: Lowe					8					
Non-Regulated Soil Lower's Phone No.		Ab		g. Phone:						
Weste Profile # L. K. Exp. Date L. Weste Shipping Name and Description No. Type Quantity WilVol	in owner or the generating racility differs fr	om the generator.	provide:							
Liveste Profile # Liveste Shipping Name and In. Containers In. Total Country	h. Owner's Name:			i. Owner's Phone No						
Description No. Type Quantity WW/oi	j. Waste Profile #	k. Exp. Date	I. Waste Ship		m. Con	ainers	n Total	o Heit		
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 251 or any applicable state law, has been properly described, dessified and packaged, and is in proper condition for transportation according to applicable regulations; AND. If this state is well as the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of this content of the content of this content of the content of this content of the content of this content of the content of this content of the contents of this content of the contents of this content of the contents of this content of the contents of this content of the contents of this content of the contents of this content of the contents of this content of the contents of this content of the contents of this contents of this content of the contents of this content of the contents of this contents of this content of the contents of this content of the contents of this contents of this content of this content of the contents of this content of this content of the contents of this content of this content of the contents of this content of this content of the contents of this content of this content of the contents of this content of		<u> </u>								
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 251 or any applicable state law, has been properly described, dessified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this state is with the polymer of the proper condition for transportation according to applicable regulations; AND, if this state is not a hazardous waste as defined by 40 CFR 251 or any applicable state is not a hazardous waste as defined by 40 CFR 251 or any applicable in the polymer of the										
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 281 or any applicable state law, has been properly described. Caselfied and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously recent of the proper of the prope	31101420787]	Non-Requ	lated Soil	الما	mo				
state taw, has been properly described, classified and peckaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is at restrient entractive of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been inceated in accordance with the requirements of 40 CFR 288 and is no longer a hazardous waste as defined by 40 CFR 281. W G 42-10						.	1	rons		
state taw, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is alteratment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the weste has been inceded in accordance with the requirements of 40 CFR 288 and is no longer a hazardous waste as defined by 40 CFR 281. ### PAPED p. Generator Authorized Agent Name (Print) I. Signituge II. TRANSPORTER (Generator completes lia-b and Transporter completes lic-e) a. Transpods(s Namen) Address: 1027 Basen Road Hinesville, GA 31313 b. Phone: a. Disposal Facility and Sito Address: Sav annath Regional industrial Landfill 84 Clinton Shid Port Wertworth, GA 31407 912.964.2812 I. hereby certify that the above named majorial has been accepted and to this best of my knowledge the foregoing is true and accurate. II. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both S-Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunities of the company which owns, lesses, operates, controls, or supervises the facility being demolished or renovated, or the demolition or proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunities of the company which owns, lesses, operates, controls, or superv					 		 			
state taw, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is alteratment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the weste has been inceded in accordance with the requirements of 40 CFR 288 and is no longer a hazardous waste as defined by 40 CFR 281. ### PAPED p. Generator Authorized Agent Name (Print) I. Signituge II. TRANSPORTER (Generator completes lia-b and Transporter completes lic-e) a. Transpods(s Namen) Address: 1027 Basen Road Hinesville, GA 31313 b. Phone: a. Disposal Facility and Sito Address: Sav annath Regional industrial Landfill 84 Clinton Shid Port Wertworth, GA 31407 912.964.2812 I. hereby certify that the above named majorial has been accepted and to this best of my knowledge the foregoing is true and accurate. II. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both S-Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunities of the company which owns, lesses, operates, controls, or supervises the facility being demolished or renovated, or the demolition or proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunities of the company which owns, lesses, operates, controls, or superv										
state taw, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is alteratment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the weste has been inceded in accordance with the requirements of 40 CFR 288 and is no longer a hazardous waste as defined by 40 CFR 281. ### PAPED p. Generator Authorized Agent Name (Print) I. Signituge II. TRANSPORTER (Generator completes lia-b and Transporter completes lic-e) a. Transpods(s Namen) Address: 1027 Basen Road Hinesville, GA 31313 b. Phone: a. Disposal Facility and Sito Address: Sav annath Regional industrial Landfill 84 Clinton Shid Port Wertworth, GA 31407 912.964.2812 I. hereby certify that the above named majorial has been accepted and to this best of my knowledge the foregoing is true and accurate. II. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both S-Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunities of the company which owns, lesses, operates, controls, or supervises the facility being demolished or renovated, or the demolition or proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunities of the company which owns, lesses, operates, controls, or superv					1					
state taw, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is alteratment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the weste has been inceded in accordance with the requirements of 40 CFR 288 and is no longer a hazardous waste as defined by 40 CFR 281. ### PAPED p. Generator Authorized Agent Name (Print) I. Signituge II. TRANSPORTER (Generator completes lia-b and Transporter completes lic-e) a. Transpods(s Namen) Address: 1027 Basen Road Hinesville, GA 31313 b. Phone: a. Disposal Facility and Sito Address: Sav annath Regional industrial Landfill 84 Clinton Shid Port Wertworth, GA 31407 912.964.2812 I. hereby certify that the above named majorial has been accepted and to this best of my knowledge the foregoing is true and accurate. II. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both S-Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunities of the company which owns, lesses, operates, controls, or supervises the facility being demolished or renovated, or the demolition or proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunities of the company which owns, lesses, operates, controls, or superv										
state taw, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is alteratment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the weste has been inceded in accordance with the requirements of 40 CFR 288 and is no longer a hazardous waste as defined by 40 CFR 281. ### PAPED p. Generator Authorized Agent Name (Print) I. Signituge II. TRANSPORTER (Generator completes lia-b and Transporter completes lic-e) a. Transpods(s Namen) Address: 1027 Basen Road Hinesville, GA 31313 b. Phone: a. Disposal Facility and Sito Address: Sav annath Regional industrial Landfill 84 Clinton Shid Port Wertworth, GA 31407 912.964.2812 I. hereby certify that the above named majorial has been accepted and to this best of my knowledge the foregoing is true and accurate. II. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both S-Friable Non-Friable DPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunity of the demolition or response to the company which owns, lesses, operates, controls, or supervises the facility being demolished or renovated, or the demolition or the demolition or supervises the facility being demolished or renovated, or the demolition or										
state taw, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is alteratment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the weste has been inceded in accordance with the requirements of 40 CFR 288 and is no longer a hazardous waste as defined by 40 CFR 281. ### PAPED p. Generator Authorized Agent Name (Print) I. Signituge II. TRANSPORTER (Generator completes lia-b and Transporter completes lic-e) a. Transpods(s Namen) Address: 1027 Basen Road Hinesville, GA 31313 b. Phone: a. Disposal Facility and Sito Address: Sav annath Regional industrial Landfill 84 Clinton Shid Port Wertworth, GA 31407 912.964.2812 I. hereby certify that the above named majorial has been accepted and to this best of my knowledge the foregoing is true and accurate. II. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both S-Friable Non-Friable DPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunity of the demolition or response to the company which owns, lesses, operates, controls, or supervises the facility being demolished or renovated, or the demolition or the demolition or supervises the facility being demolished or renovated, or the demolition or					1 1			1		
state taw, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is alteratment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the weste has been inceded in accordance with the requirements of 40 CFR 288 and is no longer a hazardous waste as defined by 40 CFR 281. ### PAPED p. Generator Authorized Agent Name (Print) I. Signituge II. TRANSPORTER (Generator completes lia-b and Transporter completes lic-e) a. Transpods(s Namen) Address: 1027 Basen Road Hinesville, GA 31313 b. Phone: a. Disposal Facility and Sito Address: Sav annath Regional industrial Landfill 84 Clinton Shid Port Wertworth, GA 31407 912.964.2812 I. hereby certify that the above named majorial has been accepted and to this best of my knowledge the foregoing is true and accurate. II. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both S-Friable Non-Friable DPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping perfie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international opportunity of the demolition or response to the company which owns, lesses, operates, controls, or supervises the facility being demolished or renovated, or the demolition or the demolition or supervises the facility being demolished or renovated, or the demolition or							1			
state taw, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been inceded in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261. ### Common Property	GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous waste	e as defined	by 40 C	FR 261 or any a	pplicable		
gen reason in accordance with the requirements of 40 CFR 288 and is no longer a hazardous waste as defined by 40 CFR 281. P. Debet 1. P. Debt 1. P. Debt 1. D	i state law, has been properly described, c	lassitied and pack	aced, and is in orco	er condition for transportatio	n according	to annli	rahla raquiation	n AND if this		
p. Generator Authorized Agent Name (Print) 1. Signature 1. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) 1. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) 1. Transporting Name (Print) 2. Transporting Name (Print) 2. Transporting Name (Print) 3. Signature 4. Signature 5. Diriver Name (Print) 6. Discrepancy Indication Site completes IIId-g) 7. Disposal Facility and Site Address: 8. Sav annua's Regional industrial Landfill 8. Cilino Bid 9. Port Wentworth, GA 31407 912.964.2812 9. Name of Authorized Agent (Print) 1. Signature 1. Signature 1. Signature 1. Signature 1. Signature 1. Signature 1. Signature 1. Signature 2. Responsible Agency Name and Address: 2. Responsible Agency Name and Address: 3. Operator's Name and Additional Information: 4. Phone: 6. Special Handling Instructions and Additional Information: 5. Phone: 6. Special Handling Instructions and Additional Information: 6. Special Handling Instructions and Additional Information: 6. Special Handling Instructions and Additional Information: 6. Phone: 7. Date 7. D	been treated in accordance with the requi	sly restricted naza trements of 40 CF	rcous waste subject R 268 and is no low	to the Land Disposal Restri	ctions. I cer	tify and v	varrant that the v	waste has		
P. Generator Authorized Agent Name (Print) I. TRANSPORTER (Generator completes lia-b and Transporter completes lic-e) a. Transporter Authorized Agent Road Hinesville, GA 31313 b. Phone: c. Driver Name (Print) d. Signature c. US EPA Number d. Discrepancy indication Space: Savarman Regional Industrial Landfill 84 Cittion Bird Det Wentworth, GA 31407 912.984.2812 b. Hereby certify that the abova named majerial has been accepted and to the best of my knowledge the foregoing is true and accurate. I. Signature v. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Addit		1		1	1					
II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) a. Transporting Name (Print) Address: 1027 Bacen Road Hinerville, GA 31313 b. Phone: 10. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g) a. Disposal Facility and Site Address: Sax aman Regional Industrial Landflu 84 c (Intion Bird 9 Port Wentworth, GA 31407 912.964.2812 b. Protective of the above named majerial has been accepted and to the best of my knowledge the foregoing is true and accurate. 9. Name of Authorized Agent (Print) 1. Signature 1. Responsible Agency Name and Address: 2. Responsible Agency Name and Address: 2. Responsible Agency Name and Address: 3. Responsible Agency Name and Address: 4. Phone: 4. Phone: 5. Phone: 6. Phone: 6. Phone: 7. Priable Non-Friable Both Friable Show-Friable Show-Friable OPERATOR'S CERTIFICATION: Ihereby declare that the contents of this consignment are fully and accurately described above by the proper shipping paffie and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. 9. Operator's Name and Title (Print) 1. Signature 3. Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or			Cal hand	(AS Agent For Gence	rator)	1219	li Y			
a. Transposerie Necentry Address: 1027 Bacen Road Hinesville, GA 31313 b. Phone: 12 / 10 / 17 c. Driver Name (Print) 13 Signature 14 Signature 15 Jipoly 16 Signature 17 Jipoly 17 Jipoly 18 DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) 29 Jipole Illa-c and Destination Site completes Illd-g) 20 Disposal Facility and Site Address: 20 Sayamah Regional industrial Landfill 21 Be Climin Bivd 22 Dept Wentwepth, GA 31407 23 Sayamah Regional industrial Landfill 24 Climin Bivd 25 Dept Wentwepth, GA 31407 26 Jipole Illa-c and Destination Site completes Illd-g) 26 Dept Wentwepth, GA 31407 27 Jipole 28 Dept Wentwepth, GA 31407 29 Date 19 Date 10 Dept Wentwepth, GA 31407 20 Date 10 Dept Wentwepth, GA 31407 20 Date 20 Date 20 Date 21 Date 21 Date 22 Date 23 Date 24 Dept Dept Dept Dept Dept Dept Dept Shipping parties and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. 30 Operator's Name and Title (Print) 31 Date 32 Deptator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the	p. Generator Authorized Agent Name (Pri	nt) d	. Signature /	V		r. Date				
a. Transposerie Necentry Address: 1027 Bacen Road Hinesville, GA 31313 b. Phone: 12 / 10 / 17 c. Driver Name (Print) 13 Signature 14 Signature 15 Jipoly 16 Signature 17 Jipoly 17 Jipoly 18 DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) 29 Jipole Illa-c and Destination Site completes Illd-g) 20 Disposal Facility and Site Address: 20 Sayamah Regional industrial Landfill 21 Be Climin Bivd 22 Dept Wentwepth, GA 31407 23 Sayamah Regional industrial Landfill 24 Climin Bivd 25 Dept Wentwepth, GA 31407 26 Jipole Illa-c and Destination Site completes Illd-g) 26 Dept Wentwepth, GA 31407 27 Jipole 28 Dept Wentwepth, GA 31407 29 Date 19 Date 10 Dept Wentwepth, GA 31407 20 Date 10 Dept Wentwepth, GA 31407 20 Date 20 Date 20 Date 21 Date 21 Date 22 Date 23 Date 24 Dept Dept Dept Dept Dept Dept Dept Shipping parties and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. 30 Operator's Name and Title (Print) 31 Date 32 Deptator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the facility being demolished or renovated, or the demolition or supervises the	II. TRANSPORTER (Gene	rator complete	s Ila-b and Tran	sporter completes lic-	e)					
c. Driver Name (Print) d. Signature e. Date III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Clifton Bhd Port Wentworth, GA 31407 912-964-2812 b. Port Wentworth, GA 31407 912-964-2812 I hereby certify that the above named majerial 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: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Friable Mon-Friable Both We Friable We Non-Friable Non-Friable Department are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date 'Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or	1027 Bacon Road Hinesville, GA 31313 912 412 2402			\						
C. Driver Name (Print) d. Signature e. Date III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Critton Bivd Port Wentworth, GA 31407 912-964-2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature g. Date IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional information: f. Friable Non-Friable Both Friable Non-Friable Non-Friable Agency Name and Address: f. Print Print Non-Friable Both Friable Non-Friable	VOL	0 1/2	2.212.2		N/ -	-, ,				
III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Sav annata Regional Industrial Landfill B. A Ciltion Biv of Port Wentworth, GA 31407 912-964-2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print)	A STARRON 1:41	67 X	rullou		X 17	110/14				
a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Cinton Bivd b. Port Wentworth, GA 31407 912.964.2812 b. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature V. ASBESTOS (Génerator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping pame and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or	c. Driver Name (Print)	d. Sign	ature		e. Date					
a. Disposal Facility and Site Address: Savaman Regional Industrial Landfill 84 Clifton Bivd 912.964.2812 b. Port Wentworth, GA 31407 912.964.2812 b. Ihereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Friable Mon-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping pame and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date 'Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or	III. DESTINATION (General	tor complete II	la-c and Destina	ition Site completes Ille	d-a)					
Savannah Regional Industrial Landfill 84 Cittion Bivid b. Port Wentworth, GA 31407 912-964-2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) f. Signature v. ASBESTOS (Gémerator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Mon-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping pame and are classified, packaged, marked and labeled/placarded, and are in 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's Name and Title (Print) h. Signature i. Date operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or						:				
B4 Ciffon Biv d Port Wentworth, GA 31407 912.964.2812 b. Pereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print)	•	al Landfili				•				
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print) 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: e. Special Handling Instructions and Additional Information: f. Priable Non-Friable Both Friable Non-Friable South Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date 'Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or										
I hereby certify that the above named majerial has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Print)	Port Wentworth, GA 31407	912.964.2812								
e. Name of Authorized Agent (Print)		terial has been ac	cented and to the be	est of my knowledge the force	accina le ta	o and ac	nov real o			
e. Name of Authorized Agent (Print)			1 1	and windwide die lote)	1 ~				
IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	1 111. CCC					$\perp 1 \supset$	1-10	15-1		
a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both					g. Date			1		
b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	IV. ASBESTOS (Génerator	completes IVa	-f and Operator	complete IVg-i)						
b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	a. Operator's Name and Address:			c. Responsible Agency Na	me and Add	iress:				
e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both			į	,						
e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both			ł							
e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	h Phone:			d Dhana.						
f. Friable Non-Friable Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. 9. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or		tional Information		d. Phone:						
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping pame and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or	or openie. Harrising monocono and rigg.									
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping pame and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or										
and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or		% F	riable	% Non-Friable						
g. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or	OPERATOR'S CERTIFICATION: I hereby	y declare that the	contents of this cons	signment are fully and accur	ately descri	bed abov	e by the proper	shipping name		
g. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or	national governmental regulations	i iabeled/placarde	u, and are in all resp	becas in proper condition for	transport a	ccording	to applicable into	emational and		
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or	The second second in the second secon				r					
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or		1								
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or	g. Operator's Name and Title (Print)	h. Sigr	ature		i. Date					
	*Operator refers to the company which ov renovation operation or both	vns, leases, opera	ites, controls, or sup	ervises the facility being den	nolished or	renovate	d, or the demolit	tion or		

SNAMMAN RECTORAL SALVAGE & SERVICES CORP NATIONAL SALVAGE & SERVICES CORP PO BOOK OFF TARE IN STACKER, IN 47426 STACKER, IN	
--	--



1764995

If waste is asbestos waste, complete Sections I, II, III and IV
 If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

#0/

a. Generator's US EPA ID Number d. Generator's Name and Location: Gatality Peretr Gatality Peretr Gatality Peretr Gatality Peretr Georgia I. Pinons: I. Owner's Roman and Location: Gatality Peretr Georgia I. Pinons: I. Owner's Roman and Location: Gatality Peretr Georgia I. Pinons: I. Owner's Roman and Location: Gatality Peretr Georgia I. Pinons: I. Owner's Roman and Location: Gatality Research I. Owner's Roman and Location: Georgia I. Pinons: I. Owner's Roman and Location: Georgia I. Owner's Roman I. Owner's Roman I. Owner's Roman I. Owner's Roman I. Owner's Roman I. Owner's Roman I. Owner's Roman II. Owner's Roman II. Owner's Roman II. Owner's Roman II. Owner's Roman I	I. GENERATOR (Genera	tor complet	es la-r)						
d. Generator's Name and Location: Georgia Power Georgia Po	a. Generator's US EPA ID Number						o Book	1 06	
Georgia Power Various Lecations Georgia L Princing L Princing L Prin							C. Page	e i or	
National Sakage & Service Corporation Georgia I Prione: I Prione: I Owner's Plane: I Owner's Plane: I Owner's Name: I Owner's					e. Generator's Mailin	a Address:	<u> </u>		L
Ceorgis (P. Prinons: If owner of the generating facility differs from the generator, provide: If owner of the generating facility differs from the generator, provide: If owner of the generating facility differs from the generator, provide: Wester Profile # K. Exp. Date L. Waste Shepping Name and No. Type Quantity WW/Vol	Georgia Power				National Sa	ilizae & Senica	Comorat	lon	
Phone: Clear Greek, in 4/45					PO Box 300)	Ooihoisi	3011	
Country Name:	f. Phone:				Clear Creek	k, IN 47426			
Description Description		from the gener	rator, provi	ide:	g. Phone:				
Weste Profile # K. Exp. Date I. Weste Shipping Name and m. Containers n. Total c. Unit Description		_							
STIDULISMS Description Type Quantity Wir/ol Wir/ol No. Type Quantity Page Quantity Page Quantity Page Quantity And Quantity Page Quantity And Quantity Page Quantity And Quantity Page Quantity And Quantity Page Quantity And Quantity Page Quantity Pag		L Eva Dat		1 14/ 05:					
31101413978 2282015 Weathered Wood DT Approx. Tops Statesboore GA GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 251 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable engulations; AND, if this waste is a breatment residue of a previously restricted hazardous waste subject to the fund Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 261 and is no longer abparatous waste as defined by 40 CFR 261 or any applicable engulations; AND, if this waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer abparatous waste as defined by 40 CFR 261. Language of the requirement of 40 CFR 268 and is no longer abparatous waste as defined by 40 CFR 261. Language of the requirement of 40 CFR 268 and is no longer abparatous waste as defined by 40 CFR 261. Language of the requirement of 40 CFR 268 and is no longer abparatous waste as defined by 40 CFR 261 or any applicable manual to the waste has been accordance with the waste has been accordance or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or any applicable paratous waste as defined by 40 CFR 261 or), waste money	k. Exp. Date	e		ping Name and				o. Unit
GENERATOR'S CERTIFICATION. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if this waste is a treatment residue of a previously restricted hazardous waste as defined by 40 CFR 261 or any applicable waste is a treatment residue of a previously restricted hazardous waste as defined by 40 CFR 261. MACME-1			i	Description		No.	Туре	Quantity	Wt/Vol
GENERATOR'S CERTIFICATION. I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if this waste is a treatment residue of a previously restricted hazardous waste as defined by 40 CFR 261 or any applicable waste is a treatment residue of a previously restricted hazardous waste as defined by 40 CFR 261. MACME-1			1				·	1	
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been installed in agocratence with the requirements of 40 CFR 261 or and is no longer plazardous waste as defined by 40 CFR 261. D. Generator Authorized Agent Name (Print) D. Generator Authorized Agent Name (Print) D. Generator Authorized Agent Name (Print) D. Generator Authorized Agent Name (Print) D. Generator Shame and Address: Curis Ulert Tracting 1-43 Rose Dime 1-44 C. Diver Name (Print) D. Destribution of the Address: Sav Sannah Regional Industrial Landfill as Culties Brid. D. Diver Name (Print) D. Destribution of the Address: Sav Sannah Regional Industrial Landfill as Culties Brid. D. Port Wenthyrift, CA 912.964.2912 I Thereby certify that thy above named materia/has been accepted and to the best of my knowledge the foregoing is true and accurate. D. Phone: D. Responsible Agency Name and Additional Information: C. Responsible Agency Name and Additional Information: D. Phone: D	31101413978	2/28/20	15	Weathered	1 Wood	דמ			
GENERATOR'S CERTIFICATION. I hereby carify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this been treated in geogradance with the requirements of 40 CFR 268 and is no longer a bazardous waste as defined by 40 CFR 261 or any applicable regulations; AND, if this been treated in geogradance with the requirements of 40 CFR 268 and is no longer a bazardous waste as defined by 40 CFR 261. LACLACY L						1		eprox.	Tons
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 281 or any applicable state low, has been properly described, classified and packaged, and is in proper condition for transportation according to a previously instricted hazardous waste subject to the Land Disposal Restrictions. Cert girt applicable regulations; AND, if this waste is a treatment national or previously instricted hazardous waste subject to the Land Disposal Restrictions. Cert girt and warrant that the waste has been treated in apportations with the requirements of 40 CFR 283 and is no longer a bizardous waste as defined by 40 CFR 281. Land Land Land Land Land Land Land Land	121	ı	1					2 2	
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 281 or any applicable state low, has been properly described, classified and packaged, and is in proper condition for transportation according to a previously instricted hazardous waste subject to the Land Disposal Restrictions. Cert girt applicable regulations; AND, if this waste is a treatment national or previously instricted hazardous waste subject to the Land Disposal Restrictions. Cert girt and warrant that the waste has been treated in apportations with the requirements of 40 CFR 283 and is no longer a bizardous waste as defined by 40 CFR 281. Land Land Land Land Land Land Land Land	Stateshora GA					i i		1	
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 288 and is no longer a bizardous waste as defined by 40 CFR 281. According to the land of the properties of the properties of the content of the properties of the property of the properties of	3 4 63.00.0	1							
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 288 and is no longer a bizardous waste as defined by 40 CFR 281. According to the land of the properties of the properties of the content of the properties of the property of the properties of									
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 288 and is no longer a bizardous waste as defined by 40 CFR 281. According to the land of the properties of the properties of the content of the properties of the property of the properties of									Ì
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 288 and is no longer a bizardous waste as defined by 40 CFR 281. According to the land of the properties of the properties of the content of the properties of the property of the properties of	ĺ	1				1			1
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restricts. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 288 and is no longer a bizardous waste as defined by 40 CFR 281. According to the land of the properties of the properties of the content of the properties of the property of the properties of	GENERATOR'S CERTIFICATION: I her	aby codify that	t the above	o named mate					
been treated in accordance with the requirements of 40 CFR 288 and is no longer abjorantous waste as defined by 40 CFR 281. Actual Charles (Print)									
December Authorized Agent Name (Print) II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) 3. Transporter's Name and Address: Curlis Uter Trucking 143 Rose Drive Granville, CH 43023 5. Phone: C. Driver Name (Print) DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g) a. Disposal Facility and Site Address: C. Driver Name (Print) D. Pont Wentworth, CA 912.964_812 I hereby certify that the 3ove named materia/has been accepted and to the best of my knowledge the foregoing to true and accurate. IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) D. Phone: D.	waste is a treatment residue of a previou	sly restricted h	nazardous	waste subject	to the Land Disposal R	risiion accordin	g to apple	cable regulation	ns; AND, if this
p. Generator Authorized Agent Name (Print) II. TRANSPORTER (Generator completes lla-b and Transporter completes llc-e) a. Transporter's Name and Address:	been treated in accordance with the requ	irements of 40	CFR 268	and is no long	er a hazardous waste	as defined by 4	0 CFR 26	varrant that the 1	waste nas
D. Generator Authorized Agent Name (Print) II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) a. Transporter's Name and Address: Curitie Utert Trucking 143 Rose Drive Granville, CH 43023 b. Phone: C. Driver Name (Print) DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g) a. Disposal Facility and Site Address: C. US EPA Number C.	4			101			1		
a. Transporter's Name and Address: Cultid Ulet Tuckling 143 Rose Drive GramWile, OH 43023 b. Phone: 614.312.3705 DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Cultid User Tuckling 143 Rose Drive GramWile, OH 43023 b. Phone: 614.312.3705 DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: C. US EPA Number d. Discrepancy Indication Space: Say annah Regional Industrial Landfill B. Port Wentworth, GA 912.964.2612 I hereby certify that thy above named materialyhas been accepted and to the best of my knowledge the foregoing to true and accurate. I. Name of Authorized Agent (Batta) G. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: D. Phone: G. Phone: G. Phone: G. Phone: G. Phone: G. Phone: G. Priable G. Phone: G. Priable G. Phone: G. Priable G. Phone: G. Priable G. Properator's Name and Tible (Print) G. Priable G. Priab	a Garagias Authorized Apost Name (D	*	1/4	ule (All			2-110	i 1/6.1
a. Transporter's Name and Address: Curit Ulet Trucking 143 Rose Drive Granville, OH 43023 b. Phone: 614.312.3705 DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Sav annah Regional Industrial Landfill 84 Citina Bind b. Port Wentworth, GA 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. P. Name of Authorized Again (Point) I. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: D. Phone: e. Special Handling Instructions and Additional Information: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: D. Phone: e. Special Handling Instructions and Additional Information: C. Responsible Agency Name and Title (Print) D. Phone: D.							r. Date	1001	
a. Transporter's Name and Address: Curit Ulet Trucking 143 Rose Drive Granville, OH 43023 b. Phone: 614.312.3705 DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Sav annah Regional Industrial Landfill 84 Citina Bind b. Port Wentworth, GA 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. P. Name of Authorized Again (Point) I. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: D. Phone: e. Special Handling Instructions and Additional Information: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: D. Phone: e. Special Handling Instructions and Additional Information: C. Responsible Agency Name and Title (Print) D. Phone: D.	II. IRANSPORTER (Gene	erator comp	letes Ila	<u>-b and Trar</u>	sporter completes	llc-e)			
143 Rose Drive Gramille, OH 34003 b. Phone: 614.312.3708 C. Driver Name (Print)	a. Transporter's Name and Address:								
Gramille, CH 43023 b. Phone: 614.312.3708 DESTINATION (Generator complete illa-c and Destination Site completes illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landftill 84 Ciffion Bird b. Port Wentworth, GA 912.964.2612 Ihereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent Cymp. I. Signature I. Signature G. Responsible Agency Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: I. Friable Non-Friable Both Friable Mon-Friable Non-Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in 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 reprovated or the demolished or reprovated or									
C. Driver Name (Print) G. Signature G. Driver Name (Print) G. Signature G. Disposal Facility and Site Address: C. US EPA Number G. Discrepancy Indication Space: Savannan Regional Industrial Landfill At Citing Bird. Den't Wentworth, GA 912.964.2612 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. G. Name of Authorized Agent (Print) G. Signature I. Signature I. Signature G. Responsible Agency Name and Address: G. Responsible Agency Name and Address: G. Responsible Agency Name and Address: G. Phone:	Granville, OH 43023								
C. Driver Name (Print) DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 34 Citing Bird Deptity Certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Operator Scientification in the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. C. Date Operator's Name and Title (Print) N. Signature Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated or the demolition or transport according to the demolition or transport according to the demolition or transport according to the demolition or transport or the d	b. Phone: 614.312.370S								
C. Driver Name (Print) DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 34 Citing Bird Deptity Certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Agency Name and Address: C. Responsible Operator Scientification in the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. C. Date Operator's Name and Title (Print) N. Signature Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated or the demolition or transport according to the demolition or transport according to the demolition or transport according to the demolition or transport or the d	D. 1. 1 Q +1 HT	10	1	101	ta D				···
III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Savannah Regional Industrial Landful 84 Ciffon Bivd. b. Port Wertworth, GA 912.954.2812 I hereby certify that the above named material/has been accepted and to the best of my knowledge the foregoing/s true and accurate. e. Name of Authorized Agent (Path) I. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: C. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: I. Friable Non-Friable Both Friable Mon-Friable Special Handling Instructions and Additional Information: I. Friable Non-Friable Both Friable Mon-Friable Special Handling Instructions and Information: I. Friable Non-Friable Both Friable Mon-Friab	MICHARLI NATIVE	or	Bar	Dorl	V4//	/2	-10	- 14	
a. Disposal Facility and Site Address: Savannah Regional Industrial Landfill 84 Citton Bird. b. Port Wentworth, GA 912.962.2012 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Part) I. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: I. Friable Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. q. Operator's Name and Title (Print) h. Signature i. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated or the demolition or transport according to the demolition or transport according to the demolition or transport according to applicable international and one of the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated or the demolition or transport according to applicable or the demolition or transport according to applicable or the demolition of the demolition of the demolition or transport according to applicable international and other transports.						l e. Date			
Savannah Regional Industrial Landril 84 Ciffon Bird. Dent Wentworff, GA 912.964.2012 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Patin) I. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: I. Priable Non-Friable Both Friable Mon-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated or the demolition or	III. DESTINATION (Genera	tor complet	e Illa-c a	and Destina	tion Site complete	s IIId-g)			
Savannah Regional Industrial Landfill 34 Ciffich Bird b. Port Wentworth, GA 912.964.2812 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. e. Name of Authorized Agent (Pada) f. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both Friable Mon-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated or the	a. Disposal Facility and Site Address:		C.	US EPA Num	ber d. Discrepancy II	ndication Space	: :		
b. Port Wentworth, GA 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 (Part) f. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Titte (Print) h. Signature i. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or reprovated or the demolition or reprovated or the demolition or reprovated or the demolition or reprovated or the demolition or reprovated or the demolition or representation or the demolition or the demolition or the demolition or the demolition or the demolition or the demolition or the demolition or the demolition or the demolition or	Savannah Regional Industr	al Landfil	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 (Partit) I. Signature IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: I. ☐ Friable ☐ Non-Friable ☐ Both	84 Clifton Blvd.		İ						
e. Name of Authorized Agent (Path) IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: I. ☐ Friable ☐ Non-Friable ☐ Both		2.964.2/812	l			,			
e. Name of Authorized Agent (Path) IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: e. Special Handling Instructions and Additional Information: I. ☐ Friable ☐ Non-Friable ☐ Both	I hereby certify that the above named ma	terial/has beer	accepted	and to the be	st of my knowledge the	foregoing is to	e and ac	curate	
a. Operator's Name and Address: b. Phone: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Phone: d. Phone: d. Phone: e. Special Handling Instructions and Additional Information: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. D. P	1/ \(\) (\(\)						ic and ac	Curate.	
a. Operator's Name and Address: b. Phone: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Special Handling Instructions and Additional Information: c. Phone: d. Phone: d. Phone: e. Special Handling Instructions and Additional Information: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: c. Responsible Agency Name and Address: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. Phone: e. Special Handling Instructions and Additional Information: d. D. P	a Name of Authorized A.						[2 11 e) j	14
a. Operator's Name and Address: b. Phone: c. Responsible Agency Name and Address: b. Phone: d. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both						g. Date		1	• (
b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	IV. ASBESTOS (Generator	completes	IVa-f and	d Operator	complete IVg-i)				
b. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both	a. Operator's Name and Address:				c. Responsible Agency	Name and Add	iress:		
e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. G. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or					, ,				
e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. G. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or									
e. Special Handling Instructions and Additional Information: f. Friable Non-Friable Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. G. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or	b. Phone:			1	d Bhans				
f. Friable Non-Friable Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or		tional Informat	lion:		o. Friune.				
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. Querator's Name and Title (Print)	•								
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. Querator's Name and Title (Print)									
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 repoyated, or the demolition or			% Friable		% Non-Friable				
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 repoyated, or the demolition or	and are classified packaged maded an	y declare that (ine conten	its of this cons	ignment are fully and a	ccurately descri	bed abov	e by the proper	r shipping name
g. Operator's Name and Title (Print) h. Signature i. Date Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolition or	and are clossified, packaged, flighted affi	aneien/biaca	nueu, and	are in all resp	ects in proper condition	i for transport a	ccording t	o applicable in	temational and
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolished or		· · · · · · · · · · · · · · · · · · ·							
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or repoyated, or the demolished or									
**Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both	g. Operator's Name and Title (Print)	h. S	Signature			i. Date			
	"Operator refers to the company which over renovation operation or both	vns, leases, op	perates, co	ontrols, or supe	rvises the facility being	demolished or	renovated	i, or the demol	ition or

DATETINE OUT 12-10-2014 L2-10-2014 LINVOICE INBOUND TAX TOTAL	HET AMOUNT TENDERED CHANGE CHECKE
J. 7.29 am 17.97 35,940 ente	has read and understands the terms and condition
9,940 NET 4,000 CHATHAM COUNT CHATHAM COUNT	notual of Customer acknewledges that he of she y to sup: this document on behalf of the Custome y to sup: this document
ONAL LA CON BLV CON BLV CON BLV CON BLC CON BL	The undersigned individual signing this the militarity to seq: this document on the signing this the militarity to seq: this document on the signing the sequence of the militarity to seq: this document on the sequence side and that he or size has the militarity to seq: this document on the reverse side and that he or size has the militarity to seq: this and that he or size has the militarity to seq: this and that he or size has the militarity to seq: this and that he or size has the militarity to seq: this and that he or size has the militarity to seq: this and that he or size has the militarity to seq: this and that he or size has the militarity to seq: this and that he or size has the militarity to seq it is a sequence of the militarity to seq it is a sequence of the militarity to seq it is a sequence of the militarity to seq it is a sequence of the militarity to seq it is a sequence of the militarity to seq it is a sequence of the militarity to seq it is a seq
SAVANNAH REGIR 84 CLIET 84 CLIET 100014 A b D Environmental Serv 1741 Calks Ferry kd. 1741 Calks Ferry kd. 31101420787 31101420787 SCALE IN TAI SCALE OUT TAI 17.97 EA FEE-HAUL/TRA 17.97 TN ENVIRONMENT	8 <u>F</u>

The undersigned individual signing this document on policial of Customer ackin on the reverse side and that he or sive has the authority to sup; this document on the reverse side and that he

RS FORDING (07(2)



2204102

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)							
a. Generator's US EPA ID Number		b. Manifest Docum	ent Number	T	c. Page	1 of			
N/A			1						
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	139 Brampton Road			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
If owner of the generating facility differs fr	om the concenter	Drovide:	g. Phone:			·			
n owner or me generating laciny dilets it	om me generator,	hrowara:							
h. Owner's Name:			I. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date		ping Name and	m. Cont		n. Total	o. Unit		
		Description		No.	Туре	Quantity	Mt/vol		
31101420787		Non-Regut	ated Soli	Dψ	тр		Tons		
				+					
				-					
				1 1					
]		
				<u> </u>					
GENERATOR'S CERTIFICATION: I here state law, has been properly described, contact waste is a treatment residue of a previous been treated in accordance with the requi	lassified and pack sly restricted haza	aged, and is in propertions in a subject.	er condition for transportati to the Land Disposal Rest	ion according rictions, I cer	to application	able regulation	ns: AND, if this		
Part GH220	1	1/2 / 0		, T	1210	due			
		cut you	Ol AS Agent Forban	CK 4100)	1017	194			
p. Generator Authorized Agent Name (Pri		. Signature/			r. Date				
II. TRANSPORTER (Gene	rator complete	es IIa-b and Tran	sporter completes lic	:-e)					
a. Transpoderis Namenand Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402		BN 37							
b. Phone:	11/	ΛΛ	<u> </u>	11/					
c. Driver Name (Print)	d. Sign	Uchana	ditto	e. Date	1 181 1	<u> </u>			
III. DESTINATION (Genera			ition Site completes I	lld-g)					
a. Disposal Facility and Site Address:		c. US EPA Num			:		·····		
Savannah Regional Industri	al Landfill	1							
84 Clifton Blvd									
b. Port Wentwork, GA 31407	912.964.2812)						
I hereby certify that the above named ma	terial has been ac	cepted and to the be	est of my knowledge the fo	regoing is tn	e and ac	curate.			
mirude		W							
	·		<u>` </u>		 _	10.16			
e. Name of Authorized Agent (Print)	f. Signa			g. Date		\			
IV. ASBESTOS (Generator	completes IVa	1-1 and Operator							
a. Operator's Name and Address:			c. Responsible Agency N	ame and Add	dress:				
		1							
		-							
b. Phone:			d. Phone:						
e. Special Handling Instructions and Add	itional Information	:							
f. Friable Non-Friable Both	, Q, E	riable	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereb				urately descri	ibed abov	e by the prop	er shipping name		
and are classified, packaged, marked an national governmental regulations.	d labeled/placarde	ed, and are in all resp	pects in proper condition for	or transport a	ccording	to applicable i	nternational and		
g. Operator's Name and Title (Print)	h. Sigi	nature	andon the fa-fith that 4	i. Date		d as the de-	olition or		
*Operator refers to the company which or renovation operation or both	wns, leases, opera	ates, controls, or sup	ervises the facility being di	emolished of	renovate	ru, or the demi	TO HOUSE		

7.30 at total	HET AMOUNT TENDERED CHANGE CHECKO
CONTAINE OUT 12-10-2014 CONTAINER INBOUND INBOUND TAX	mente torminente torminents
T TONS WEGION TY REGION WEIGHT HISTORY 12-10-2014 12-10-2014 20.87 TONS MEIGHT RATE EATE RATE EATE RATE RATE	and underkunder formstaffe consitions
NET NET NET NET NET NET NET NET NET NET	the transledge: that he
63,2 21,4 21,4	
SAVANNAH REGIONAL LANDF SAVANNAH REGIONAL LANDF 84 CLIFTON BLVD 912 100014 A & D ENVIRONMENTAL SERVICES, LLC 100014 A & D ENVIRONMENTAL FEE 5 20.00 YD SW-CONT SOIL 20.87 TN ENVIRONMENTAL FEE 5 1.00 YD SW-CONT SOIL 1.00 YD SW-COVERY FEE 1.00 YD SW-COVERY FEE	
SAIF SA CUSTONAEN TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOW	

The taiderstyned individual signing that the authority to sign this document on behalf of the customer standard and the authority to sign this document on behalf and the authority to sign this document on behalf and the last he authority to sign this document on the reverse side and mal he or sign has the authority to sign the sidn and the last he authority to sign the side and the last he authority to sign the side and the last he authority to sign the side and the si

्राहरूका स्थापना (६५) हुन



2204103

REV 01/14

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

-	
22	
₩	

GENERATOR (Generato	r completes i								
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page	1 of			
N/A d. Generator's Name and Location:		l	[a O			1			
Rheem Manufacturing Compa	nv		e. Generator's Mailing Add A&D Environmen	dress: mizi Convica	e IIC				
139 Brampton Road	•		4943 Austin Pari						
Savannah, GA 31408			Buford, GA 3051						
f. Phone:	the		g. Phone:						
If owner of the generating facility differs from	om the generator,	, provide:							
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date		Shipping Name and m. Containers n. Total o. Unit						
		Description		No.	Type	Quantity	₩t∕Vol		
31101420787		Non-Regul	lated Soil	04	mp				
			1			To To	ons		
						1			
	····			 		 	 		
				1					
				[[1	1			
GENERATOR'S CERTIFICATION: I here	hy cortify that the	shove named moto	rial le not a hazardava venet	o oo dofir-	d by 40 0	ED 264			
state law, has been properly described, cla	assified and pack	aged, and is in prop	er condition for transportation	on accordin	a to applic	cable regulations	AND if this		
waste is a treatment residue of a previous	ly restricted haza	rdous waste subject	to the Land Disposal Restri	ictions. I ce	rtify and v	varrant that the w	aste has		
been treated in accordance with the requir	rements of 40 CF	R 268 and is go long	ger a hazardous waste as de	efined by 4	0 CFR 26	1.			
PAULGAZZO		Stull-	plasa. Her Go	الملدويمه	12/0	3/14			
p. Generator Authorized Agent Name (Pri	ot) .	i. Signature	2 Classification of	-C. HAT	r. Date	//	····		
			accorder completes !!-	۵\	1. Date	*****			
	ator complete	is it with u-bit es	isporter completes lic-	- U)					
a. Transporter's Name and Address:									
1027 Bacon Road	ϱ	N22							
Hinesville, GA 31313	\mathcal{D}	NUU							
b. Phone: 912.412.2402	1. 4		741	110	,				
XSTARBOLL : HIES	, X , ²	milent	GOTON.	X 1	יפול די	114			
c. Driver Name (Print)	d. Sigr	nature		e. Date	1 / 1 3/		· · · · · · · · · · · · · · · · · · ·		
III. DESTINATION (Generat			ation Site completes III						
a. Disposal Facility and Site Address:		c. US EPA Num			9'				
	-1 1	J. 55 E. 7.14011	o. Diodopanoy india	opau	••				
Savannah Regional Industri 84 Cillion Bivd	ai Langidi /								
Dort Worthworth CA 31407	912.964.2812	1 /	/ //	ř					
I hereby certify that the above named mat	efial has been ac	cented and to the h	est of my knowledge the for	ecoina ie ta	ue and ec	curate			
101		(1	-aa is u	1	/ 10 /) .		
1 11 DIE	 ,			<u> </u>	1		7		
e. Name of Authorized Agent (Print)	f. Sign:		-	g. Date					
IV. ASBESTOS (Generator	completes IVa	a-f and Operator	complete IVg-i)			7			
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	dress:	**************************************			
		I							
		1							
b. Phone:			d. Phone:						
e. Special Handling Instructions and Addit	tional Information	: <u>-1</u>			•••••				
f. Friable Non-Friable Both		riable	% Non-Friable		عام المراد	b 4	-bloo!		
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and									
national governmental regulations.	. iaveiawpiavaidt	e, env are iii ali 163	Pose in proper continuent for	au iopoit t	wing	- abbucana una	u.vinur and		
		·····		1					
				 					
g. Operator's Name and Title (Print)	h. Sigi		vantions the facility being de-	i. Date		od or the demolish	on or		
*Operator refers to the company which over renovation operation or both	vus, ieases, open	ates, controls, or sup	civises the lacility being del	nionsued o	i reniovate	a, or the gemonit	OI UI		

379 7:47 am Containe out 7:47 att Containe out 16.79 16.79 INBOUND TAX TAX	HET ALMOUNT TENDERED CHECK® CHECK®
11.1. 2.964-2812 Michelle J. Datifule J. 2.964-2812 Michelle J. 12.10-2014 12.204104 22.760 22.760 NET TONS SECTION CHATHAM COUNTY REGION CHATHAM COUNTY REGION	The many straight in the straight of the suppression of the straight of the straight of the suppression of the superior of the suppression of the superior of
SAVANNAH REGIONAL LANDE SAVANNAH REGIONAL LANDE GUSTOMEN PORT MENTWORTH, GA 100014 A 6 D Environmental Services, LLC 100014 A 6 D Environmental Services, LLC Lexington, SC 29073 1741 Calks Ferry Rd. 1742 Calks Ferry Rd. SCALE IN TARE WEIGHT SCALE OUT SCALE OUT SCALE OUT TARE WEIGHT SCALE OUT FEE-HAUL/TRANS/TRUCK 16.79 TN ENVIRONMENTAL FEE 16.79 100 FUEL RECOVERY FEE	and the same of th

68.138469



2204104

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

 GENERATOR (Generate 	or completes	la-r)			•			
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number	c. Pag	ge 1 of			
N/A					1			
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	iny		e. Generator's Mailing Address: ASD Environmental Services, LLC 4943 Austin Park Avenue					
Savannah, GA 31408			Buford, GA 305	18		4		
f. Phone: If owner of the generating facility differs from the generating facility differs from the facility differs from	om the generator	r, provide:	g. Phone:			<u></u>		
h. Owner's Name:			i. Owner's Phone No.:					
i. Waste Profile #	k. Exp. Date	I. Waste Shir	pping Name and	m. Containers	n. Total	o. Unit		
		Description		No. Type		Wt/Vol		
31101420787		Non-Regi	liated Soli	Driumb		1.		
			<u> </u>		1	005		
		1		1 1		1		
				1 1	1			
	1					1		
	<u> </u>							
				1		1		
		-		1 1		1		
GENERATOR'S CERTIFICATION: I here	by certify that the	e above named mate	erial is not a hazardous was	te as defined by 40	CFR 261 or any a	pplicable		
state law, has been properly described, c	lassified and pac	kaged, and is in pro	per condition for transportati	ion according to ap-	plicable regulations	: AND, if this		
waste is a treatment residue of a previous	sly restricted haz	ardous waste subjec	t to the Land Disposal Rest	rictions. I certify and	d warrant that the v	vaste has		
been treated in accordance with the requ	rements of 40 C	FR 268 and IS no for	iger a nazardous waste as t					
1 AUL (94220		Hal 93	DASASENT For Gan	er atoe 12/9	7/14			
p. Generator Authorized Agent Name (Pr	int)	. Signature	- 0	r. Dat	е			
II. TRANSPORTER (Gene	erator complet	tes Ila-b and Tra	nsporter completes lic	;-e)				
a. Transporagie Namerand Address: 1027 Bacon Road Hinesrille, GA 31313	3N-28	‡						
b. Phone: 912.412.2402	,,							
XJ. C. Hall	X	Joh ('	Hall		0/14			
c. Driver Name (Print)		gnature	·	e. Date				
III. DESTINATION (Genera	tor complete	Illa-c and Destin	ation Site completes I	illd-g)				
a. Disposal Facility and Site Address:		c. US EPA Nu	mber d. Discrepancy Indi	cation Space:				
Savannah Regional Industr	tat-Landfili		The second second					
84 Ciffon Bivd	3,0,00,004							
b. Port Wentworth, GA 31407	5		(
I hereby certify that the above named ma	terial has been a	accepted and to the	dest of my knowledge the fo	pregoing is true and	accurate.			
1 V Miclosta	1	1	\mathcal{M}		1-10 -16	-j		
e. Name of Authorized Agent (Print)) f. Sig	nature	1 4 5	g. Date				
IV. ASBESTOS (Generator			r complete (Va-i)					
	Compicted iv	a rana operate	c. Responsible Agency A	lame and Address:				
a. Operator's Name and Address:			o. responsible rigoroy					
1			d. Phone:					
b. Phone: e. Special Handling Instructions and Add	litional informatio		I d. Filone.					
e. Special Handling instructions and Acc	Michael IIIIOIIIIauc	<i>.</i>						
f. ☐ Friable ☐ Non-Friable ☐ Bot	h %	Friable	% Non-Friable	rentale dans-bad -	hove he the sees	shinning name		
OPERATOR'S CERTIFICATION: I heret and are classified, packaged, marked ar	by declare that the	e contents of this co	nsignment are tully and acc spects in proper condition fo	arately described a or transport accordi	na to analicable int	emational and		
national governmental regulations.	in igneranthigeau	ueu, anu are m an 10	oposto in proper consideri i					
remainer de commentation reducinarios								
g. Operator's Name and Title (Print)	h. Si	ignature		i. Date				
*Operator refers to the company which o	wns, leases, ope	erates, controls, or si	pervises the facility being o	lemolished or renov	rated, or the demoli	tion or		
renovation operation or both								

10-2014 10-201	
NDFILL Michelle J. Michelle J. Michelle J. Michelle J. Michelle J. Michelle J. Michelle J. Michelle J. Michelle J. Mittil BN-22 BN	
AVANNAH REGIONAL LANDF RYANNAH REGIONAL LAND BH CLIETON BLVD BH CLIETON BLVD ONT IN TARE WEIGHT GROSS WEIGHT OUT SW-CONT SOIL EEE-HAUL/TRANS/TRUCK FEEE-HAUL/TRANS/TRUCK FUEL RECOVERY FEE FUEL RECOVERY FUEL FUEL FUEL FUEL FUEL FUEL FUEL FUEL	
PORT WE CUSIONER A & DENVIT A LEXINGTON LEXINGTON LEXINGTON LOS 21.80 EA 21.80 TN 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	

A STATE OF THE PARTY OF THE STATE OF THE STA



2204105

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

	-
	æ
٠	

I. GENERATOR (General	tor completes la	a-r)						
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	1 of	· · · · · · · · · · · · · · · · · · ·	
N/A						1		
d. Generator's Name and Location: Rheem Manufacturing Comp 139 Brampton Road Savannah, GA 31408	any		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue					
f. Phone:			Buford, GA 3051 g. Phone:	18				
If owner of the generating facility differs t	rom the generator,	provide:	g. Filone:					
h. Owner's Name:			I Commente Dir. Al					
j. Waste Profile #	k. Exp. Date	I. Waste Shir	i. Owner's Phone No.: nipping Name and				1 - 11-19	
		Description		No.	Type	n. Total Quantity	o. Unit Wt/Vol	
		İ		,				
31101420787		Non-Real	lizted Soil	01	ma			
			1		.	1	Tons	
							ł	
						Ì	ļ	
							l	
CENERATORIO CERTICIOATION	<u> </u>						i_	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, or waste is a treatment residue of a province.	iassiileo and Dack:	תמות תו פו התוג הפהג	WF CONdition for transpositation	an managadin.	- 412.		- A b 100 17 11 1	
l masic is a flagfillight testing all a bleaton	SIV resuncted nazar	TIOUS WASTA SUDIACI	l IO IDA I and Dienocal Poeki	ictions I am	tike and e		s; AND, if this waste has	
Cash neated in accordance with the redu	irements of 40 CFI	R 268 and is no lon	ger a hazardous waste as de	efined by 40	CFR 26	1.		
YAUL GAZZO	1	Sulla	2014SAgant For ben	ا دمله مه.	12/5	liv		
p. Generator Authorized Agent Name (Pr	int)	. Signature	COLINE TO LOCAL	-CI HIVE	r. Date			
II. TRANSPORTER (Gene	erator complete	s lla-b and Trai	nsporter completes ilc-	·6)				
a. Transporter's Name and Address:				<u> </u>				
1027 Bacon Road	\mathfrak{L}	1122						
Hinesville, GA 31313	Ci	NU						
b. Phone: 912.412.2402			C-011					
L'Sharrou Little	~\ X { 1	~ 100	XXIII DA	1/11	olly			
c. Driver Name (Print)	d. Sign:	ature	/ GGG///	e. Date				
III. DESTINATION (Genera	tor complete III	a-c and Destina	ation Site completes III					
a. Disposal Facility and Site Address:		c. US EPA Nun		₩/	:			
Savannah Regional Industr	lai Landfili		/ \	•				
84 Clifton Blvd)							
b. Port Wentworth, GA 31407	912.964,2612							
I hereby certify that the above named ma	terial has been acc	epted and to the b	est of my knowledge the fore	egoing is tru	e and ac	curate.		
۱ / ۷	-	V		1	12,	9111		
e. Name of Authorized Agent (Print)	f. Signa			g. Date		1/64		
IV. ASBESTOS (Generator	completes IVa	f and Operator	complete IVg-i)					
a. Operator's Name and Address:			c. Responsible Agency Na	me and Add	iress:			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Add	itional Information:							
f. Friable Non-Friable Bott		iable	% Non-Friable				.,	
OPERATOR'S CERTIFICATION: I hereb	y declare that the o	contents of this con-	signment are fully and accur	ately descri	bed abov	e by the proper	shipping name	
and are classified, packaged, marked and national governmental regulations.	a labeled/placarded	d, and are in all resp	pects in proper condition for	transport a	cording	lo applicable into	emational and	
g	T T			l				
Occupado Namo es d Tillo (D.)				ļ.,				
g. Operator's Name and Title (Print) *Operator refers to the company which or	h. Sign	aiure les controls or sur	envises the facility balas de-	i. Date	non-west-	d or the desert	lion or	
renovation operation or both	s, roases, opera	wa, commons, or sup	A vises the lacility being den	HUNBINGU OF	i GHOAS(6	u, or use demoli	uon er	

CHECK		smothbood has seried afti abundayabun ben, ben dah and on on the last of superface of an order on the mother of the series of th						2000	1 *** * *** ** *** **	
CHANGE								ADEC OF MUNICIPAL P		
		washingto him	era of offichers w	pun par pear seg .	त्यक्त अस्त वस्त । ११	ti zaphoderoodas namatab	at order of Agranging and sing only as an including of I be greated on maning and sing the area will be a	janase eng	-141 40	
TENDERED	1						the same of the sa	postie, mp	in: 9rff	
TNUONA TH				•						
NET ANOTHE	T									
				1						
	1	†	1						7	
	i			1				i	i	
			1	i				- 1	1	
	1		1					i		
	1			i				:		
	ĺ	i	1	1						
	1						77.1. 110.	1	-	
	1						NEL RECOVERY FEE	! E	00.1	
		i	· I	RECION	COUNTY	MAHTAHO	MAIRONMENTAL FEE 5		00.1	
			1			MATITALIA	M-CONT SOIL	TN	69.61	
		İ	1	KEC10N	CONNIJ	MAHTAHD		XD		
JATOT	XAT	EXTENSION	HATE			MAUTARD	FEE-HAUL/TRANS/TRUCK	EA I	69.61	
INBONND				L		CHILLION		1300		
GMIOHNI			NET WEIGHT 39,380		24,000	IUDION OUT	14641	,YIO		
			69.61	SNOT 1		086,59	OUT TARE WEIGHT	SCALE	3	
		· · · · · · · · · · · · · · · · · · ·				000 69	IN CROSS WEIGHT	SCALE	3	
OICE	1-24-0			eligen in som	1		the state of the s			
2010/	MAT		=71	mda.r 40 Dan			L	840241	10115	
	· · · · · · · · · · · · · · · · ·		····	10หลับสาเลย	1		SC 29073			
	VINEU	HMOS		BN-32			ו בדו א עם י	CVTDO		
ne., 62:8	TO-5014	-21 me 9	G:8	75-10-5 75-10-5	•		ronmental Services, LLC	LEUAT	1 0 D	
	TUO HAIT	3140		OR TONES TARREST	1				10001	
			.t ∍	L1ehoiM Michell		7T07 500 ~-				
			-4	He viwer in		12-964-2812		THOS	MINC FOR	
		1100	101516	10		C1.00 to	UNIO NOLATIO EQ			
		Man!	The state of the s			SAVANNAH REGIONAL LANDFILL				



2204106

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

GENERATOR (General	ator completes						
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number		c. Page	1 of	
d. Generator's Name and Location: Rheem Manufacturing Com 139 Brampton Road Savannah, GA 31408	opany		e. Generator's Mailine ALD Environ 4943 Austin Buford, GA	Park Avenue	96, LLC	1	
f. Phone: If owner of the generating facility differs	form the acceptance	· · · · · · · · · · · · · · · · · · ·	g. Phone:				
1	nom the generator	, provide:					
h. Owner's Name: i. Waste Profile #			i. Owner's Phone No.:	:			
J. Waste Profile #	k. Exp. Date	I. Waste Shi	pping Name and	m. Con		n. Total	o. Unit
		Bescription		No.	Туре	Quantity	Wt/Vol
31101420787	31101420787 Non-		Hated Son	1 Di	тр		Толь
GENERATOR'S CERTIFICATION: 1 he	rahy certify that the	Shows named make	dal is and a basel	ا ـــابــــا			
GENERATOR'S CERTIFICATION: I he state law, has been properly described, waste is a treatment residue of a previous control of the state	classified and pack	above named mate	enai is not a hazardous w Der condition for transpor	vaste as defined tation according	l by 40 CF	R 261 or any	applicable
waste is a treatment residue of a previo been treated in accordance with the req	usly restricted haza	rdous waste subject	to the Land Disposal Re	estrictions. I cer	tify and wa	arrant that the	waste has
1)	Literate of 40 CF	R 290 and ps no ion	yer a nazardous waste a	is defined by 40	CFR 261		
p. Generator Authorized Agent Name (F		Par gr	DIAS Agust For Go	encrator)	1219	MY	
		. Signature			r. Date		
ii. TRANSPORTER (Gen a. Transporter Name and Address:	erator complete	s lia-d and I ra	nsporter completes	llc-e)			
1027 Bacon Road		4					
Hinesville, GA 31313		RA)	3 7				
b. Phone: 912.412.2402							
X Carence Littles	X	BN 3	L. Ha	X /2.	12/11		
c. Driver Name (Print)	d Sign	ature	arrive	e. Date	1 W/Y		
III. DESTINATION (General			ation Site completes	s IIId-a)			······································
a. Disposal Facility and Site Address:		c. US EPA Nur					
Savannah Regional Indust	idal Landfill /						
84 Cittop/Bird Port Wentworth, GA 31407	912/964.2812	1 (
U.							
I hereby certify that the above named m	aleval has been act	cepted and to the b	est of my knowledge the	foregoing is tru	e and acc	urate.	
Alama (Authorite Hand)		<u>"()</u>			21	10110	
e. Name of Authorized Agent (Srint) IV. ASBESTOS (Generato)	f. Signa			g. Date		7	
IV. ASBESTOS (Generatoral a. Operator's Name and Address:	completes IVa	-i and Operator				•	**
polition o righting and Addiess.		ļ	c. Responsible Agency	Name and Add	ress:		
		}					
b. Phone:		1	d. Phone:				
e. Special Handling Instructions and Add	ditional Information:		J. 1 11V119.				
f. Friable Non-Friable Bot	h % Fr	iable	% Non-Friable				
OPERATOR'S CERTIFICATION: I herel	ov declare that the o	contents of this cons	icoment ene fully and ac	curately descrit	ed above	by the proper	shipping nam
and are classified, packaged, marked ar national governmental regulations.	iu iabeled/placarded	a, and are in all resp	pects in proper condition	for transport ac	cording to	applicable int	ternational and
3							
g. Operator's Name and Title (Print)	h. Signa	ature		i. Date			
*Operator refers to the company which c	wns, leases, operat	tes, controls, or sup	ervises the facility being	demolished or i	enovated	or the demoli	tion or
renovation operation or both	•		,9				VI

14 9:21 am INVOICE TOTAL	NET AMOUNT
TOELS TO TO TO TO TO TO TO TO TO TO TO TO TO T	
11 CE: 1	
9434 J. 21. 42,2	
01 943 Michelle J. Michelle J. 12-10-2014 Mitheric 12-10-2014 Mitheric 2204107 MET YEIGHT 42, DUNTY REGION	
NET NET COUNTY	1
## O1 01 01 01 01 01 01 01 01 01 01 01 01 01	
TONAL LA TON BLVI TICES, LI WEIGHT WEIGHT //TRUCK	
SAVANNAH REG 84 CLIF 84 CLIF 84 CLIF 84 CLIF 84 CLIF 85 CLIF 85 CLIF 86 CALE 86 CALE IN GROSS CALE IN GROSS CALE OUT TARE UNIT SW-CONT SOIL ENVIRONMENTAL FUEL RECOVERY	·
SA PORT WEN 100014 A & D Environmont 1741 Calks Feblexington, SC 31101420787 SCALE IN SCALE OUT SCALE OU	
SC SC SC SC SC SC SC SC SC SC SC SC SC S	

The undersigned includation supercy likes document on soluble of Costonies and includence that he or she has good and understands, the terms and on the region is a soluble the authority is significant contracts of the region of the region of the region of the contract of the region

Sigharing

TENDERED CHANGE CHECK

Rate Co. Frequency



2204107

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes i	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	1 of	
N/A d. Generator's Name and Location;		L	1			1	
Riteem Manufacturing Compa	Try .		e. Generator's Mailing	Address:		<u> </u>	····
139 Brampton Road			A&D Environm 4943 Austin F	nemai Servici Park Avomio	26, LLC		
Savannah, GA 31408			Buford, GA 30				
f. Phone: If owner of the generating facility differs from	om the generates	provide	g. Phone:				
	om tite generator,	, provide:				·	
h. Owner's Name: j. Waste Profile #	4 Eus Date	L Wests Ob's	i. Owner's Phone No.:				
j. vvoda i romo #	k. Exp. Date	Description	ping Name and	m, Con		n. Total	o. Unit
			**************************************	No.	Туре	Quantity	Wt/Vol
31101420787		Non Boom	tendar at and an			Ì	
0.101420707		Non-Regu	rated 2011	, Du	mp		
				<u>'</u>	<u>-</u>		Tons
				j			
							Ī
				_			
							1
GENERATOR'S CERTIFICATION: I heret	by certify that the	above named mater	rial is not a hazardous wa	ste as defined	by 40 C	FR 261 or anv	applicable
waste is a treatment residue of a previously	v restricted hazar	ageo, ano is in propi	er condition for transporta	ation according	to applic	cable regulation	
been treated in accordance with the require							waste has
PAUL GAZZO	,	Varlas	2/ /-			1	
p. Generator Authorized Agent Name (Prin		. Signature	1)(ASAgur Forb	Cha Ha	12/9	114	
					r. Date		
II. TRANSPORTER (Gener a. Transpoder's Name and Address:	ator complete	s lia-b and Trail	isporter completes il	(C-e)		•	
1027 Bacon Road	0.	1					
Hinesville, GA 31313	51.	122					
b. Phone: 912.412.2402							
X Shallow Littles	YX	1 5500	Jark.	IV is	al. i		
c. Driver Name (Print)	d Sign	Trefer C	A SULLAN		12)14		
III. DESTINATION (Generate	d. Signa		tion City completes	e. Date			
a. Disposal Facility and Site Address:	or complete in	c. US EPA Num			 		
Savannah Regional Industria	i i spatii	O. OO EI A ITEM	o. Discrepancy ind	icauon Space	•		
84 CERON Blvd	i Lakum						
b. Port Wentworth, GA 31407	912.964.2812	• (
I hereby certify that the above named mate	erial has been acc	epted and to the be	st of my knowledge the fo	oregoing is tru	e and acc	curate.	
Michile		1/1					10.11.
e. Name of Authorized Agent (Print)	f. Signa	ture		g. Date		()-	10-14
IV. ASBESTOS (Generator o			complete IVg-ii	I g. Date			`
a. Operator's Name and Address:			c. Responsible Agency N	Jama and Ade	rocci		
			or responsible rigolog (Tamio Bita Add	u 03 3.		
		ļ					
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addition	onal Information:						
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fri	iable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby	declare that the c	ontents of this cons	coment are fully and acc	urately descri	ed above	by the proper	shipping name
and are classified, packaged, marked and (national governmental regulations.	labeled/placarded	i, and are in all resp	ects in proper condition fo	or transport ac	cording to	o applicable int	emational and
nousing governmental regulations.							
g. Operator's Name and Title (Print)	h. Signa	sture		i. Date			
*Operator refers to the company which owr renovation operation or both	is, icases, operati	es, controls, or supe	nvises the facility being d	emolished or	renovated	i, or the demoli	tion or

18.81 FA FEE- 1.00 YD 1.00 YD 1.00 FIEL	OTY. UMIT	SCALE IN SCALE OUT	SAVANNAH REG 84 CLIF 90RT WENTWORTH, GA 100014 A & D Environmental Ser 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787
FEE-HAUL/TRANS/TRUCK EM-CONT SOLL EMPLEOIMENTAL FEE 5 FUEL PECOVERY FEE	DESC	GROSS WEIGHT TARE WEIGHT	REGIONAL LA SLIFTON BLV GA Services, l
СНАТНАМ	DESCRIPTION	61,620 24,000	NDFILL D 912-964-2812
CHATHAM COUNTY REGION		NET TONS	9HE 01 943417 01 943417 WITCHEASTER 943417 MIRSHALL 9 9 VEHICH 2014 9 VEHICH 22 4108 BULL OF LADING
	RATE	18.81	mr 15:6. PTC
	EXTENSION		
	XAY	(IMIOHM)	COLLINE ORL COLLINE ORL COLLINE ORL COLL COLL COLL COLL COLL COLL COLL
	TOTAL		10H T515

AND THE PROPERTY OF THE PROPER

TRANSIC OF BUILDINGS



2204108

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\underline{\rm NOT}}$ asbestos waste, complete Sections I, II and III

GENERATOR (General	or completes !								
a. Generator's US EPA ID Number		b. Manifest Docur	nent Number		c. Page	∋ 1 of			
L	···	L	La Canadada M. W.			1			
d. Generator's Name and Location: Rheem Manufacturing Comp.	any		e. Generator's Mailing A	lodress: ieniai Servic	es, LLC				
139 Brampton Road Savannah, GA 31408			4943 Austin Park Avenue						
f. Phone:			Buford, GA 30 g. Phone:	518					
If owner of the generating facility differs for	rom the generator.	, provide:	g. Fitolia,						
h. Owner's Name:	-	•							
j. Waste Profile #	k. Exp. Date	I Wasta Shin	i. Owner's Phone No.: ipping Name andm. Containers n. Total o. Unit						
	N. LAP. Date	Description	build istailing and	No.	Type	n. Total Quantity	o. Unit Wt/Vol		
			.,,,,	Geanlary	- VVV VGI				
31101420787		Non-Requ	Non-Regulated Soil						
			1		mp	1	Tons		
						<u> </u>			
							ł		
	· ·								
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous wa	ste as define	d by 40 C	FR 261 or any	applicable		
state law, has been properly described, c waste is a treatment residue of a previous	siv resincieo naza	MONIS WASTA SIINIACT	In the Land Dispassi Pas	trictions I a			is; AND, if this		
occir ireated in accordance with the requi	irements of 40 CF	R 268 and is no long	er a hazardous waste as	defined by 4	0 CFR 26	61.	Masta 1192		
PAUL GAZZO	16	Jaken M	of AS Agent For Ge	· · · ·	12 6	ler			
p. Generator Authorized Agent Name (Print) q. Signature r. Date									
II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)									
a. Transportario Name and Address:			aporto: compiotos in	<u> </u>					
1027 Bacon Road		0.,							
Hinesville, GA 31313	1	BN - 32	-						
b. Phone: 912.412.2402	<u> </u>								
X Clames Litter	W.	(1)	1,7+1,	12	1.01	· ·			
c. Driver Name (Print)	d. Sign	ature	attice	e. Date	11.77	Z			
III. DESTINATION (General			tion Site completes						
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Indi	cation Space	a·				
Savannah Regional Industri	al Landīji			oduon opuo	••				
l 84 Cifton Bivd		(
b. Port Wentworth, GA 31487	1)						
I hereby certify that the above named may	terial bas been ac	cepted and to the be	stof my knowledge the fo	oregoing is tr	ue and ac	curate.			
Miculk		1)			17	- 18.14	<u> </u>		
e. Name of Authorized Agent (Print)	of. Signa	ture		og. Date		<u> </u>	+		
IV. ASBESTOS (Generator			complete IVa-i)				******		
a. Operator's Name and Address:			c. Responsible Agency N	ame and Ad	dress:				
			,						
b. Phone:			d. Phone:						
e. Special Handling Instructions and Addi	tional information:								
f. Friable Non-Friable Both	% F	riable	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby	declare that the	contents of this cons	ignment are fully and acci	urately descr	ibed abov	e by the proper	shipping name		
and are classified, packaged, marked and national governmental regulations.	i ianeianibiacaidei	u, and are in all resp	cus in proper condition fo	or transport a	ccording	to applicable int	emational and		
				T					
a Operator's Name and Title (Brief)	L 6!	ahima		1.5:					
g. Operator's Name and Title (Print) *Operator refers to the company which ov	h. Sign	ature tes, controls, or suns	ervises the facility heins de	i. Date	nenovata	d or the dome!	tion or		
renovation operation or both		,	are trouble or the court of the	orrendict U	· GI WYALE	a, or use demon	aon u		

84 CLIFTON BLVD WE PORT WENTWORTH, GA 912-964-2812 Mi 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787					SITE TICKET #					
SCAL	E IN E OUT	GROSS WEIGHT TARE WEIGHT	62,920 21,480	NET NET W	TONS EIGHT	20.72	II	NBOUND		
דואני פודט	<u> </u>	DE	SCRIPTION			RATE	EXTENSION	TAX	TOTAL	
20.72 EA 20.00 YD 20.72 TN 1.00 1.00	SW-CON ENVIRO	UL/TRANS/TRUCK T SOIL NMENTAL FEE 5 ECOVERY FEE	СНАТНАМ							
					···		<u></u> _		NET AMOUNT	

The principles indication signs of the document on period of Customer acknowledges that he or she top read and understands the terms and conditions on the research side and too he or she has the empirity to sign this decement on condition.

راز البياة الإدارة الأدافة

TENDERED

CHANGE



2204101

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

Senerator (Gener	ator completes						
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number		c. Page	1 of	
d. Generator's Name and Location:		1	Compositorio Mailia	Adda		1	
Rheem Manufacturing Con	npany		e. Generator's Mailing A&D Environm	Address: Rental Servici	es IIC		
139 Brampton Road			4943 Austin F	ark Avenue	.,		
Savannah, GA 31408			Buford, GA 30 g. Phone:	0518			
If owner of the generating facility differs	s from the generator	, provide:	g. Filone.				
h. Owner's Name:	_	•					
j. Waste Profile #	k. Exp. Date	I Waste Shir	i. Owner's Phone No.: oping Name and	m Con	tainers	T = +-4-1	
	Exp. Date	Description		No.	Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regu	lated Soil	n.	пр	ļ	ļ
				1	пф		Tons
		1					
							ł
							1
						1	ļ
GENERATOR'S CERTIFICATION: 1 his state law, has been properly described	ereby certify that the	above named mate	erial is not a hazardous wa	ste as define	d by 40 C	FR 261 or any	applicable
waste is a treatment residue of a previous	ously restricted haza	rdous waste subject	i to the I and Dienosal Rec	et rictione Ico	tifu and s	unment that the	is; AND, if this waste has
been treated in accordance with the re-	quirements of 40 CF	R 268 and is no lon	ger a hazardous waste as	defined by 4	CFR 26	11.	Weste nes
PAUL 64220		Dal 9	AS AS CUT FORG	املا من ر	12/9	lev	
p. Generator Authorized Agent Name (Print) d	. Signature	A Just Han born	CNCE THE	r. Date	• /	
II. TRANSPORTER (Ge			nsporter completes li	lc-e)	ii buto		
a. Transporter's Name and Address:							
1027 Bacon Road	0						
Hinesville, GA 31313	41	V-22					
b. Phone: 912.412.2402			77.7				
X Sharra Litt	ies IX	JV10 6 637	Viet on	V/2/	10/14		
c. Driver Name (Print)	d. Sign	asture	~ GRACIO	e. Date	19.7		
III. DESTINATION (Gene			ation Site completes				
a. Disposal Facility and Site Address:		c. US EPA Nun					
Savannah BegtonsLinduc	stdal i andfill				•		
84 Clifton Bivd							
b. Port Wentworth, GA 3140							
I hereby certify that the above named r	naterial has been ac	cepted and to the b	est of my knowledge the f	oregoing is tn	ue and ac	curate.	
		IXI			17	10114	/
e. Name of Authorized Agent (Print)	f. Signa	ature		g. Date		 	
IV. ASBESTOS (Generate			complete (Va-i)	1 10 200			
a. Operator's Name and Address:			c. Responsible Agency t	Name and Ad	riness'		
•					2		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Ad	dditional Information:						
f. ☐ Friable ☐ Non-Friable ☐ Bo	oth % F	riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I here	eby declare that the	contents of this con	signment are fully and acc	curately descr	bed abov	e by the proper	shipping nam
and are classified, packaged, marked a national governmental regulations.	and labeled/placarde	d, and are in all res	pects in proper condition f	for transport a	ccording	to applicable int	emational and
				<u> </u>			
 g. Operator's Name and Title (Print) *Operator refers to the company which 	h. Sigr	nature	ondoor the facility hair -	i. Date	**************************************	.d .a. 61	Alan a-
renovation operation or both	Owns, reases, opera	ico, comios, or sup	e vises ure racility being (io Denziloniei	RIOVATE	o, or the demoli	HON OF

Lex:	a 014 D Envi L Calks	WENTWO ronmen Ferry SC 2	tal Services, LLO Rd.	12-964-2812		Michell DATETIME IN	943419 e_J. 014 9:50			9:56 ar
or:	SCALE		GROSS WEIGHT TARE WEIGHT	54,480 22,760		TONS EIGHT	15.86 31,720	I	DUUDEN	
	UIIIT			ESCRIPTION			RATE	EXTENSION	TAX	TOTAL
15.8 20.0		FEE-HA	UL/TRANS/TRUCK	CHATHAM	COUNTY	REGION				TOTAL
	5 TN	SW-CONT ENVIROR FUEL R	T SOIL NMENTAL FEE 5 ECOVERY FEE	МАНТАНО	COUNTY	REGION			<u>;</u>	:
							:			
									•	:
	•						: -		4	
							1		;	
							; ;			
••••							<u>.</u>			<u> </u>
										NET AMOUNT

J-11

Control reserves and another that he or ane has the authority to sign this document on behilf of the customer.

to the way.

TENDERED

CHANGE

CHECKE



2204109

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes	la-r)						
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number		c. Page	9 1 of		
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	пу		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:					
If owner of the generating facility differs fro	om the generator	, provide:	g. Prione:					
h. Owner's Name:			i. Owner's Phone No.					
j. Waste Profile #	k. Exp. Date		ping Name and		ntainers	n. Total	o. Unit	
		Description		No.	Туре	Quantity	Wt/Val	
31101420787	31101420787 Non-Re		lated Soli	1 0	rmp		Tons	
GENERATOR'S CERTIFICATION: I heret	ov certify that the	Shove named mate	rial is not a bozonto	mate on defe	45.40) 		
waste is a treatment residue of a previously been treated in accordance with the requin	ezed hotritees v	ayeu, and is in prop More wasto echicat	er condition for transpor	rtation according	ng to applientify and violentify and	cable regulation warrant that the i1.		
YAVL GAZZO	· · · · · · · · · · · · · · · · · · ·	we gran	(Agent For Ge	ucrator)	12/9	lex		
p. Generator Authorized Agent Name (Print II. TRANSPORTER (Gener		. Signature			r. Date			
a. Transporter's Name and Address: Ban Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402			#28					
C. Driver Name (Print)	d. Sign	J. C. Hall			110/4	<i>f</i>		
III. DESTINATION (Generate			tion Site complete	e. Date				
a. Disposal Facility and Site Address: Savannah Regional Industria 84 Cliffon Biv 0 b. Port Wentworth, GA 31407 I hereby certify that the above named mate	l Landfill 912.964.2812	c. US EPA Num	d. Discrepancy Ir	ndication Spac				
IN A SHOCK	Mai rias been ad	1 //	ist of my knowledge me	toregoing is tr	ue and ac	curate.	46	
e. Name of Authorized Agent (Print)	f. Signa	iture ##C	~	D Cots	12	11011	<u> </u>	
IV. ASBESTOS (Generator o	ompletes IVa	-f and Operator	Complete Ive.i)	g. Date		/ / -		
a. Operator's Name and Address:	***************************************		c. Responsible Agency	Name and Ad	ldress:			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addition	onal Information:							
f. Friable Non-Friable Both	% F	riable	% Non-Friable				····	
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the	contents of this cons	ignment are fully and a	ccurately descr for transport a	ribed abov according (e by the proper to applicable int	shipping name emational and	
Opposted Name and Title (D.)		7.0						
g. Operator's Name and Title (Print) *Operator refers to the company which owr renovation operation or both	h. Sign ns, leases, opera	ature tes, controls, or supe	ervises the facility being	i. Date demolished or	renovate	d, or the demoli	tion or	

4 10:19 an	1014	NET AMOUNT	THRESTED CONTRACT
12-10-2014 12-10-2014 COLLIABITE	IMBORINI		Se Se
126 10:19 am 11	(X11 NS)	1	res and condition
	19, 95, 300 39, 300		sometimes and conditions
01 943 Michelle J. 12-10-2014 BN-20 Infreso 2204110	OBO NET TONS OBO NET WEIGHT CHATHAM COUNTY REGION CHATHAM COUNTY REGION		
	61, 980 22; 080 CHATHAM CHATHAM		The first of white constitution of the second of the secon
MESTOWN HEV GA Services, L	SS WEIGHT SE WEIGHT SYTRUCK FEE 5		
PORT WENTWORTH, GARDON A & U. B. B. B. B. B. B. B. B. B. B. B. B. B.	E IN FEE-HAULZ SW-YONT S EBYTRONME FUEL RETO		the conference interest has an in-
PORT WI 100014 A & D Enviro 1741 Calks B Leschepton, 3	13.7 AL 19.95 EA 20.00 1.0 1.00 1.00		



2204110

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\underline{\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	or completes	la-r)						
a. Generator's US EPA ID Number N/A		b. Manifest Docum	ment Number		c. Pag	9 1 of		
d. Generator's Name and Location: Rheem Manufacturing Comp 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Malling Address: AAD Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:					
If owner of the generating facility differs f	rom the generato	r, provide:						
h. Owner's Name:			i. Owner's Phone N	lo :				
j. Waste Profile #	k. Exp. Date		ping Name and		ntainers	n. Total	o. Unit	
	<u> </u>	Description		No.	Туре	Quantity	Wt/Vol	
31101420787		Non-Regu	iated Soll	1 0	mp		Tons	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous been treated in accordance with the requi	sly restricted have	rayeu, anu is in prop	er condition for transp	ortation according	ig to appli	cable regulation		
YAUL GAZZO		Part gas	1/15 & Gat For	Generator	12/1	rliy		
p. Generator Authorized Agent Name (Pri		. Signature			r. Date			
II. TRANSPORTER (Gene	rator complet	es ila-b and Tran	sporter complete	s lic-e)				
a. Transporagio Necessind Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	bu Z	1-20 yan carre			11.04			
c. Driver Name (Print)	d. Sign	1 an cont	erroll_		110/4	<i>y</i>		
III. DESTINATION (General			tion Site complet	e. Date				
a. Disposal Facility and Site Address:	tor complete i	c. US EPA Num		Lindication Space				
Savarmah Regional Industri 84 Cithen Blyd Port Wentworth, GA 31407 b. I hereby certify that the above named mat	912.964.2812					ay rata	·	
Mil		1 1		is to regently is the	1 -	curate.		
e. Name of Authorized Agent (Print)	f. Signa	ature	_>_	g. Date	12	-10-17		
IV. ASBESTOS (Generator			complete (Va-i)	g. Date				
a. Operator's Name and Address:			c. Responsible Agend	cy Name and Ad	dress:			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addit	ional Information							
f. ☐ Friable ☐ Non-Friable ☐ Both	% F	riable	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the labeled/placarde	contents of this consi d, and are in all resp	ignment are fully and ects in proper condition	accurately descr on for transport a	ibed abov ccording (e by the proper to applicable int	shipping name emational and	
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date				
*Operator refers to the company which ow renovation operation or both	ms, leases, opera	ites, controls, or supe	rvises the facility bein	ng demolished or	renovate	d, or the demoli	tion or	

11:01 ап	ICE	TOTAL		NET AMOUNT	TENDERED	CHANGE
CR11. DA TE/TIME OUT 12-10-2014 CONTAINER	INVOICE	INBOUND EXTENSION TAX				s and conditions.
943440 e J. 014 11:01 am	18.93	37,860 RATE	7			and commence of the period of the former of
01 943 O1 943 Sectional P.P. Michelle J. praterior P. 12-10-2014	NEDECTE BN-32 BN-32 perenence 2204111 Ent. of Launte	NET WEIGHT	CHATHAM COUNTY REGION		: •	en van sus in di een eepe
NDFILL) 912-964-2812		61,860 24,000 pescupion	Снатнам		:	establish of the section prehimmen
SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA	ental Services, LLC ry Rd. 29073	GROSS WEIGHT TARE WEIGHT	FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE			1 of a subsection and thing to harmonia.
PORT V	- 40 5%	SCALE IN SCALE OUT	18.93 EA FEE 0.00 YD FEE 18.93 TN SW- 1.00 FUF			-
	1000 1000 7 6 1741 1741 Lexi		6		أمست	

Man man in the gay nade compared reduced and a point place demongration, restrict our if on an easy problement day, and gay, on the first fact that the second of the fact that it is not been also that the second of the fact that it is not been also that the fact that t

THE WILLIAM STREET



2204111

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\underline{\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)						
a. Generator's US EPA ID Number	· · · · · · · · · · · · · · · · · · ·	b. Manifest Docui	ment Number			c. Page	1 of	
N/A d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	iny		4943 Aust	ronmer tin Pari	ital Servici Kavenue	25, LLC	1	
f. Phone:			Buford, G. g. Phone:	A 3051	8			
If owner of the generating facility differs for	om the generator,	provide:						
h. Owner's Name:			i. Owner's Phone N	o.:				
j. Waste Profile #	k. Exp. Date	Waste Ship Description	ping Name and			tainers	n. Total	o. Unit
		Doscriptori			No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	lated Soli	11	Di	mp		Tons
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cli waste is a treatment residue of a previous been treated in accordance with the requirement.	assilieu anu packe Iv restricted hazar	ageo, and is in prop	er condition for transp	ortatio	n according	g to applic	able regulation	
PAUL GAZZO	-1I	, ,,	AS AGENT FOR GEN			12/9/		
p. Generator Authorized Agent Name (Prin	ıt) q.	. Signature	n) agental Ben	00847		<i>1017]</i> r. Date	14	
II. TRANSPORTER (Gener			nsporter complete	s IIc-	e)	1. 540		
a. Transporter's Name and Address: B&N Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	BN32	, N	ha.	1	1, 9	-2		
C. Driver Name (Print)	d. Signa	larens	Littley.			12/	10/14	
III. DESTINATION (Generate			tion Site complet	os III	e. Date			
a. Disposal Facility and Site Address:	o. complete in		iber d. Discrepancy			•		
Savannah Regional Industria 84 Ciffon Bivd b. Port Wentworth, GA 31407	912.964.2812				-			
I hereby certify that the above named mate	enai has been acc	epted and to the be	est of my knowledge ti	he fore	going is tn	e and ac		
e. Name of Authorized Agent (Print)	f. Signal	V				77	·· 60-14	
IV. ASBESTOS (Generator (complete IVa-iV		g. Date			·
a. Operator's Name and Address:		Tana Operator	c. Responsible Agen	cy Nan	ne and Add	fress:		
h 81								
b. Phone: e. Special Handling Instructions and Addition	onel Information:		d. Phone:					
or openior receiving moderations and reduit	oner muormatori,							
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fri	iable	% Non-Friable					····
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the called the calle	ontents of this cons l, and are in all resp	icoment are fully and	accura on for t	itely descri ransport a	bed above cording to	by the proper applicable in	shipping name ternational and
g. Operator's Name and Title (Print) *Operator refers to the company which own	h. Signa	iture	anipos the facility to t		i. Date			
renovation operation or both	, 100000, Uperall	os, condus, or supe	or vises the facility belf	ig aem	iolished or	renovated	I, or the demoli	tion or

		SAVAN	NAH REGIONAL	LANDFTT				KET #	CEL		
			84 CLIFTON P	77.0			WEIGHMASTE	943441			
277,174	FORT	MENTMO	RIH, GA	912-3	64-2812						
	14						Susan I			E/TIME OUT	
4 5	I I	izinnet	tal Sermices,				12-10-2 VEHICLE	2014 11:0	5 am 12-	-10-2014 1:	ii. an
. 7 .	- ± - :;	2 : 577.	72.				BN-28 REFERENCE				
		, 37 l	::-:				2204112			INVOIS	
		:-					BILL OF LADI	NG		11440- 2	
		Ξ ::	GRISS WEIG								
	3 CA.	I 11:5	TARE MEIG		E6,460	NET		16.85			
			-881 0112		22,760	NET WE	CIGHT	33,700		INBOUND	
	UNIT			DESCRIP	TION			RATE	EXTENSION	TAX	T0"4.
15 85		FEE-HA	UL/TRANS/TRUC	CK	CHATHA	M COUNTY	REGION			1	-
16 85	YD 711	SH-CON	T SOIL							1	
			NI SOIL NMENTAL FEE 5		CHATHA	M COUNTY	REGION				
			ECOVERY FEE							1	
			200.01.1 120								
	7										
	1							1		1	
										NA	MOUNT
										TEN	CEPET
	e denomina										
	the revers	a side and that	signing this document on the or she has the authorit	behalf of Cust ty to sign this	tomer acknowled; document on ben	ges that he or sh half of the custom	o has read and	understands the te	rms and conditions	S CH	ANGE
			21				7.0	7 -01		CH	ECK-
	PR (07/12	1	•		S	GIGNATURE	7. 0	Hall			
	TO THE REAL PROPERTY.		Market Walter Town			-					
	7										10
and the state of	(E) 34										
	- Carrie										
	THE PARTY AND THE										
7 (A.) 2 (A.)											



2204112

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

GENERATOR (Generat	or completes la-	·r)					
a. Generator's US EPA ID Number	1	b. Manifest Docum	ment Number		c. Page	a 1 of	
						1	
d. Generator's Name and Location: Rheem Manufacturing Compa	any		e. Generator's Mailing A&D Environ	Address:			
139 Brampion Road	•		4943 Austin 1	Mental Service	.85, LLL;		
Savannah, GA 31408			Buford, GA 3				
f. Phone:			g. Phone:				
If owner of the generating facility differs fr	om the generator, pr	rovide:					
h. Owner's Name:			1 Oumaria Dhana Na				
j. Waste Profile #	k. Exp. Date	I Waste Shir	i. Owner's Phone No.: oping Name and				
	N. Lap. Date	Description	фид изте япо	M. Cor	ntainers	n. Total	o. Unit
				- NU.	Туре	Quantity	Wt/Vol
31101420787		Non Dom	يە_ <u>ھە</u> مەسەد		ļ		
	1	Non-Regu			mp		. [
		+		1		T	rons .
!	1			1	1	ļ	
<u>'</u>					1		
					1	1	ĺ
	1						
1	1			1	l		1
	1	1		i '	1	l	i
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl	by certify that the ab	ove named mate	rial is not a hazardous w	este as define	d by 40 C	ED 204 or on a	
state law, has been properly described, clawaste is a treatment residue of a previous	assified and package	ed, and is in prop	er condition for transport	ation according	o by 40 C	PK 261 or any ar	pplicable
waste is a treatment residue of a previous been treated in accordance with the require	ly restricted hazardo	us waste subject	to the Land Disposal Re	strictions. I ce	rtify and v	varrant that the v	; AND, ii lilis vasta has
	rements of 40 CFHry	68 and is no long	jer a hazardous waste as	s defined by 4	0 ĆFR 26	1.	asia nee
PAUL GAZZO	Va	. V B . 15	fucal do		4 4		
p. Generator Authorized Agent Name (Prin	nt) 6. S	ignature /	Chia de tra la Ci	(messa)	1219/9	<u>y</u>	
II. TRANSPORTER (Gener		Ha b and Trop	· ·		r. Date		
a. Transportaria Namanand Address:	atur completes .	ila-u anu man	isponer completes in	lc-e)			
1027 Bacon Road							
Hinesville, GA 31313	n.,	-1					
912 412 2402	BN -	Z %					
b. Phone:	- "						
K. J. C. Holl.	X.O.T	7 71	11	12	Lalw	,	
c. Driver Name (Print)	d. Signatur	· C. Dre	¥	12/10	10/17		
	ar complete Ille	= === Dooting	41 014	e. Date			
III. DESTINATION (Generate a. Disposal Facility and Site Address:	or complete illa-t						
		c. US EPA Numi	ber d. Discrepancy Ind	lication Space	i:		
Savannah Regional Industria 84 Ciliton Bivd	il Landfill		ļ				
Port Wentworth, GA 31407	912.964.2812	_	1				
7 U. 7							
I hereby certify that the above named mate	arial has been accept	led and to the be	st of my knowledge the f	oregoing is tr	e and ac	caucald	
		ストン			TIT	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
e. Name of Authorized Agent (Print)	f. Signature			10	<u> </u>	2114	
IV. ASBESTOS (Generator o	1 1. Signature			g. Date			
(00.00.00.00	completes iva-i a						
a. Operator's Name and Address:		1	c. Responsible Agency N	Name and Adr	iress:		
		1	•				
		1					
b. Phone:		1	d. Phone:				
e. Special Handling Instructions and Addition	onal Information:		o. r none.				
f. ☐ Friable ☐ Non-Friable ☐ Both	0. 57 1 1						
f. Friable Non-Friable Both	% Friab!	le	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and inational governmental regulations.	deciare mar me come a behavioriscarded a	ents of this consi	gnment are fully and acc	urately descri	oed above	by the proper si	hipping name
national governmental regulations.	abolew places wow, or	יון פופ ווו פוו ופסףכ	acts in proper condition it	or transport ac	cording to	applicable Inter	national and
							
g. Operator's Name and Title (Print)	h. Signatur	е		i. Date			
*Operator refers to the company which own renovation operation or both	is, leases, operates,	controls, or super	rvises the facility being d	emolished or	renovated	or the demolitic	on or
Tellovation operation of bour						, o	11 01

.

•



2204113

if waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes l	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	1 of	
N/A		<u> </u>				1	
d. Generator's Name and Location: Rheem Manufacturing Compa	IAY		e. Generator's Mailing Add	dress:			
139 Brampton Road	···y		A&D Environmer 4943 Austin Pari	k Tabilio Men Pelaice	s, LLC		
Savannah, GA 31408			Buford, GA 3051				
f. Phone:		•	g. Phone:				
If owner of the generating facility differs for	om the generator,	, provide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Conf	ainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	lated Soll	Du	TID	1	
			1		·· F	1	rehs
				1			
						1	
		1		i f		1	
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous waste	e as defined	by 40 C	FR 261 or any a	pplicable
state law, has been properly described, cl waste is a treatment residue of a previous	assified and pack	aced, and is in prop	er condition for transportatio	n according	to anni-	cable reculations	n. AND if this
been treated in accordance with the requi	rements of 40 CF	R 268 and is no lon	to the Lang Disposal Kestri der a hazardous waste as di	ctions. I cer efined by 40	tify and v CER 26	varrant that the v	waste has
111 1 /	17	200	,				
VAUL GAZZO	- 4	al gas	plas agent for 602	course		114	
p. Generator Authorized Agent Name (Pri		. Signature	·		r. Date		
II. TRANSPORTER (Gene	rator complete	es Ila-b and Trai	nsporter completes lic-	e)			
a. Transporter's Name and Address:							
1027 Bacon Road	BN-2	2.					
Hinesville, GA 31313	BIV 5						
b. Phone: 912.412.2412	11.7	1-0-	- eds	15.4		,	·
IX DOZBAL LAHES		MDICK		<i>X</i> /z	101	li j	
c. Driver Name (Print)	d. Sign	ature		e. Date		/	M
III. DESTINATION (General	or complete II	la-c and Destina	ation Site completes Ille	d-a)			***************************************
a. Disposal Facility and Site Address:		c. US EPA Nun		- 4/			····
Savannah Regional Industria	al Landfill		• • • • • • • • • • • • • • • • • • • •				
84 Clifton Bivd							
b. Port Wentworth, GA 31407	912.964.2812				١	^	
I hereby certify that the above named mat	erial has been ac	cepted and to the b	est of my knowledge the fore	egoing is tru	e and ac	curate.	······································
	17	$\mathcal{M}(\mathcal{M})$			1111	JILL	
e. Name of Authorized Agent (Print)	f. Signa	dure		g. Date	114	//-\	
IV. ASBESTOS (Generator			complete IVa-iV	y. Date			·
	Completes IVa	Tana Operator					
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ado	iress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addit	tional Information	l	d. Phone:				
Special Flaming monaconord and Public		•					
f. Friable Non-Friable Both	% F	riable	% Non-Friable		had -6 :	b st	-blas!
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and							
national governmental regulations.							
a Operator's Name and Title (Print)	h. Sign	natura		i. Date			
g. Operator's Name and Title (Print) *Operator refers to the company which ow			pervises the facility being der		renovate	d, or the demoli	lion or
renovation operation or both			· · · · · · · · · · · · · · · · · · ·				

SAMANNAH REGIONAL LANDFILL SITE TICKET # 01 84 CLIFTON BLVD 943445 WEIGHMASTER FIFT MENTWORTH, GA 912-964-2812 ----A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 19073 DATE/TIME OUT 12-10-2014 11:18 am 12-10-2014 VEHICLE CONTAINER NE-5308 REFERENCE 2204114 INVOICE 3110142:---BILL OF LADING STALE IN GROSS WEIGHT NET TONS 71,200 21.90 TARE WEIGHT 27,400 NET WEIGHT 43,800 INBOUND QTY. UNIT DESCRIPTION RATE EXTENSION 21.90 TAX TOTAL EA. FEE-HAVI TRANS TRYCK CHATHAM COUNTY REGION 20.00 21.90 SX-DINI SILL THATHAM COUNTY REGION ENTERCHMENTAL SEE : FUEL RECOMES FEE 1.00 1 00 HET AMOUNT TENDERES The undersigned individual signing this document on behalf of Customer sexnowledges that he or she has read and undersigned the terms and conditions are the reverse side and that he or she has the authority to sign this document on behalf of the customer. CHANGE 2721 CHECK= 2 .F 4 .PR (07 to) SIGNATURE



2204114

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-r)					
a. Generator's US EPA ID Number N/A		. Manifest Docum	nent Number		c. Page		
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	any		e. Generator's Mailing Ac AAD Environme 4943 Austin Pz Buford, GA 305	IK AAGURE	es, LLC	1	
If owner of the generating facility differs fr	rom the generator on	ovide:	g. Phone:				
h. Owner's Name:	om and generator, pre	JVIGG.					
i. Waste Profile #	k. Exp. Date	I Mosto Chie	i. Owner's Phone No.: pring Name and			T	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	n. Exp. Date	Description	iping Name and	No.	tainers Type	n. Total Quantity	o. Unit Wt/Val
31101420787		Non-Regu	Lated Soil		тр	deanity	Tons
				+		1010	
				Ì			
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	iassilieo ano package ilv restricted bazardo:	ia, ana is in prop Lis waste subject	er condition for transportati	on accordin	g to appli	cable regulation	AACM 14 16.1.
YAUL GAZZO	Pa	el anal	As Agent For Genel	eatue)	12/91	hy	
p. Generator Authorized Agent Name (Pri	nt) (q. Si	gnature			r. Date		
II. TRANSPORTER (Gene	rator completes i	la-b and Tran	nsporter completes lic	-e)			
a. Transportagis Name and Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone:	BAN	LOWNOR	osperator 5308				
c. Driver Name (Print)	d Signatu	J N	planted	e. Date	110/14		
III. DESTINATION (General			ntion Site completes II				*****
a. Disposal Facility and Site Address:		c. US EPA Num			<u> </u>		
Savannah Regional Industria 84 Clifton Bird Port Wentworth, GA 31407	912.964.281	<u>)</u>		•	1		
I bereby certify that the above named mat	enarnas been accep	AG BITO-10 AGE DE	est of my knowledge the for	egoing is to	ue and ac		
					ナリじ	2/16	
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator)	f. Signature			g. Date			
IV. ASBESTOS (Generator a. Operator's Name and Address:	completes (va-ra	and Operator	c. Responsible Agency Na	ime and Ad	dress:		
h 61							
b. Phone: e. Special Handling Instructions and Addit	ional Information:	L	d. Phone:				
or observe regulating managed and Addit	uonai illiointagoii.						
f. Friable Non-Friable Both	% Friab	le	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the contable labeled/placarded, a	lents of this cons nd are in all resp	ignment are fully and accur ects in proper condition for	rately descr transport a	ibed abov ccording	e by the prope to applicable in	r shipping name ternational and
g. Operator's Name and Title (Print)	h. Signatur	'e		i. Date			
*Operator refers to the company which ow renovation operation or both	rns, teases, operates,	controls, or supe	ervises the facility being de	molished or	renovate	d, or the demol	ition or

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 58,280

NET TONS

SITE 01	TICKET #	CELL				
	943452	1				
WEIGHN						
Mich	elle J.					
DATE/TI		DATE/TIME OUT				
12-10	0-2014 12:09 pm	12-10-2014	12:09 оп			
VEHICLE BN-3		CONTAINER	O			
REFERE	NCE					
20041	.15	7 877	VOICE			
BILL OF		71/	VOICE			

>		SCALE SCALE	0110	S WEIGHT RE WEIGHT	,	NET TONS NET WEIGHT	17.14 34,280	I	NBOUND	
QTY.		UNIT	····		DESCRIPTION		RATE	EXTENSION	TAX	7074
	.14	EA YD	FEE-HAUL/TRAN	IS/TRUCK	CHATHAM	COUNTY REGION			122	TOTAL
1	.14 .00 .00	TN	SW-CONT SOIL ENVIRONMENTAI FUEL RECOVERY		СНАТНАМ	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.

TENDERED CHANGE

NET AMOUNT

RS-F042UPR (07/12)



2204115

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

GENERATOR (Generate	or completes I	la-r)					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	3105	· · · · · · · · · · · · · · · · · · ·
N/A					C. Page	3 1 01	
d. Generator's Name and Location:			e. Generator's Mailing	Address:		1	
Rheem Manufacturing Compa 139 Brampton Road	iny		A&D Environ	imental Service	e6, LLC		
Savannah, GA 31408			4943 Austin				
f. Phone:			Buford, GA 3	30518			
If owner of the generating facility differs for	om the generator	, provide:	g monte.				
h. Owner's Name:		•					
j. Waste Profile #	k Eve Dete	L L MALL A COLL	i. Owner's Phone No.:				
j. Wasta i Tome i	k. Exp. Date	Description	ping Name and		ntainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
					1	1	İ
31101420787		Non-Regu	lated Soil	Di	тр		
				1	T'' '		Tons
1							
				I		ł	ł
						İ	
					 	 	
į.					1		
				l	Ì	ł	
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, cla	hy certify that the	shave named mate	dol io pet o harrada			<u> </u>	
state law, has been properly described, clawaste is a treatment residue of a previous	assified and pack	above named mate aged, and is in non	er condition for transport	aste as define	d by 40 C	FR 261 or any	applicable
waste is a treatment residue of a previous	ly restricted haza	rdous waste subject	to the Land Disposal Re	estrictions I ce	dife and r	cable regulation	18; AND, if this
been treated in accordance with the requir	ements of 40 CF	R-268 and is no long	er a hazardous waste a	s defined by 4	0 CFR 26	ian dia dia dia dia dia dia dia dia dia dia	waste nas
YAULGAZZO	1/	land and	As agent for bowd				
p. Generator Authorized Agent Name (Prin	 + E	04 93/M	THE PARTY OF BONG	(ALOR)	12/9/	<u>y</u>	
		. Signature			r. Date		
	ator complete	s lia-b and I rar	isporter completes I	llc-e)			
a. Transporter's Name and Address:							
1027 Bacon Road		2.1.77					
Hinesville, GA 31313	$ \mu $	3N-3Z					
b. Phone: 912.412.2402	· · · · ·	<u> </u>					
A bloome Littler.	V	/ ¹ /) ~	d 18ta	1	1 21		
c. Driver Name (Print)	d. Sign	olum	9 المالك		<u> 2/12/1</u>	<u>y</u>	
			Alexa Ott	e. Date	~~.		
=======================================	or complete ill	a-c and Destina	tion Site completes	illd-g)			
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Inc	dication Space):		
Savannah Regional Industria	l Landfill	1 /					
84 Clifton Bird			\ \				
b. Port Wentworth, GA 31407		\					
I hereby certify that the above named mate	erial has been acc	cepted and to the be	st of my knowledge the t	foregoing is th	e and ac	curate.	
V Mi allu-						2-18-14	
e. Name of Authorized Agent (Print)	f. Signa	ture		 		· (C) · [1
IV. ASBESTOS (Generator o				g. Date	·		· · · · · · · · · · · · · · · · · · ·
a. Operator's Name and Address:	VIIIhieres IAS						
a. Operator's Name and Address:		- 1	c. Responsible Agency I	Name and Ad	dress:		
		1					
		İ					
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addition	onal Information:						
f. ☐ Friable ☐ Non-Friable ☐ Both	0 F-	iable	W Nee Edebi				
OPERATOR'S CERTIFICATION: I hereby	declare that the c	ontents of this seed	% Non-Friable	augatak da a	.		·
and and orderines, pooreges, marked and	labeled/placarded	. and are in all reso	ects in proper condition f	curatery descri	vods Ded	B by the proper	shipping name
national governmental regulations.				e agnopoit a	iniii i	applicable (no	CITIAUCHAI ANG
g. Operator's Name and Title (Print)	- L 51	nt					
*Operator's name and Title (Print) *Operator refers to the company which own	h. Signa	ature	undone the feetile better	i. Date			
renovation operation or both	, iousus, opeial	ou, wilduis, or supe	ii viaea uie iecility being C	19 Deusnomer	renovated	ı, or the demoli	tion or

SAVANNAH REGIONAL LANDFILL (SITE TICKET # CELL 01 84 CLIFTON BLVD 943456 PORT WENTWORTH, GA WEIGHMASTER 912-964-2812 CUSTOMER Michelle J 100014 DATE/TIME IN DATE/TIME OUT A & D Environmental Services, LLC 12-10-2014 12:18 pm 2-10-2014 12:18 DM VEHICLE 1741 Calks Ferry Rd. CONTAINER BN-28 Lexington, SC 29073 REFERENCE 2204116 BILL OF LADING 31101420787 INVOICE SCALE IN GROSS WEIGHT 54,120 NET TONS

SCALE OUT 15.68 TARE WEIGHT 22,760 NET WEIGHT 31,360 INBOUND QTY. UNIT DESCRIPTION RATE 15.68 EXTENSION EΑ FEE-HAUL/TRANS/TRUCK TAX TOTAL CHATHAM COUNTY REGION 20.00 YD 15.68 TN SW-CONT SOIL CHATHAM COUNTY REGION 1.00 ENVIRONMENTAL FEE 5 1.00 FUEL RECOVERY FEE

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.

TENDERED CHANGE

CHECK.

NET AMOUNT



2204116

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	or completes I	a-r)					
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number		c. Page		
d. Generator's Name and Location: Rheem Manufacturing Comp 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mallin AAD Emilio 4943 Austi Buterd, GA g. Phone:	in Park Avenue	ees, LLC	1	
If owner of the generating facility differs for	rom the generator,	provide:	g. r none.		·	···	
h. Owner's Name:							
j. Waste Profile #	k. Exp. Date	I. Waste Shi	i. Owner's Phone No pping Name and		ntainers		
		Description	PPg Name and	No.	Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Reg	ulated Soil		mp		
				1			Tons
GENERATOR'S CERTIFICATION: I hom	hu andifu that tha						
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	he rootsisted because	deve was to a blood	rer condition for transpo	prizition accordin	ig to applic	able regulation	applicable ns; AND, if this waste has
PAULGAZZO	17	2/2	1				
p. Generator Authorized Agent Name (Pri	P()	Signature Signature	(45 Agent FOR 6	cuclatol	12/9/	<i>y</i>	
II. TRANSPORTER (Gene					r. Date		
a. Transportation National Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone:			-28	, 110-67			
c. Driver Name (Print)	X	J (,)	ell	X 12	110/14		
	d. Signa	ture		e. Date			
III. DESTINATION (Generat a. Disposal Facility and Site Address:	or complete illa	c. US EPA Num					
Savannah Regional Industria 84 Clifton Bird Port Wentworth, GA 31407	912.964.2812		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
I hereby certify that the above named mate	orial has been acc	epted and to the be	est of my knowledge the	foregoing is tru	e and acc	urate	
e. Name of Authorized Agent (Print)		-17.>		12	· [Ĉ	-14	
IV. ASBESTOS (Generator o	→ f. Signat	fond Onester		g. Date			
a. Operator's Name and Address:	completes iva-	and Operator	c. Responsible Agency	y Name and Ado	iress:		
b. Phone: e. Special Handling Instructions and Additi	onal Information:		d. Phone:	·	-		
	o imorniquori.						
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fria	able	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the co labeled/placarded.	entents of this cons and are in all resp	incompant and first	ccurately descri	bed above cording to	by the proper applicable into	shipping nam emational and
g. Operator's Name and Title (Print)	h. Signat	ture		i. Date			
*Operator refers to the company which own renovation operation or both	ns, leases, operate	s, controls, or supe	ervises the facility being	demolished or	renovated,	or the demolit	tion or

CUSTOMER 100014
A & D Environmental Services, LLC
1741 Calks Ferry Rd.
Texington, SC 29073 20.00 20.33 20.33 31101420787 ..8 1.00 SCALE IN SCALE OUT Ť EΑ ď PORT WENTWORTH, GA FUEL RECOVERY FEE ENVIRONMENTAL FEE 5 SW-CONT SOIL FEE-HAUL/TRANS/TRUCK SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD GROSS WEIGHT TARE WEIGHT DESCRIPTION 912-964-2812 68,060 27,400 CHATHAM COUNTY REGION CHATHAM COUNTY REGION NET WEIGHT NET TONS BILL OF LADING NE-5308 DATE/TIME IN Michelle J. WEIGHMASTER 2-10-2014 TICKET # 40,660 943459 20.33 RATE 12:26 pm EXTENSION 12-10-2014 container CELL INBOUND TAX INVOICE MET AMOUNT 12:26 pir TOTAL

RS-F042UPR (07/12)

The undersigned individual signing this document on behalf of Cristomor acknowledges that he or she has read at on the reverse side and that he or she has the authority to sign this document on behalf of the customy. $\frac{1}{2}$

TENDERED

CHECKS



2204117

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\hbox{NOT}}$ asbestos waste, complete Sections I, II and III

ŧ

I. GENERATOR (Generati	or completes i	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page	1 of	
N/A		1				1	
d. Generator's Name and Location: Riteem Manufacturing Compa	MV		e. Generator's Mailing Add		- 11 <i>0</i>		
139 Brampton Road			A&D Environmen 4943 Austin Part		نلك ٥٠,		
Savannah, GA 31408			Buford, GA 3051				
f. Phone:			g. Phone:	-			
If owner of the generating facility differs fr	om the generator	, provide:					
h. Owner's Name:			i. Owner's Phone No.:				
I. Waste Profile #	k. Exp. Date	Waste Shin	ping Name and	m. Cont	ainere	n. Total	l o. Unit
j. 1145to i 101110 #	N. LAP. Date	Description	Prig Haine and	No.	Туре	Quantity	Wt/Vol
				1			
24464468888	1	Non Borne	Inter Sell				1
31101420787		Non-Regul	ated Soli	Dif	пр	1	rons
			<u></u>	 		•	1 0419
							(
	1					1	
	<u> </u>			 		1	
	[1		1	
	1]	
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous wast	e as defined	by 40 C	FR 261 or any a	applicable
state law, has been properly described, c	lassified and pack	kaged, and is in prop	er condition for transportation	on according	to appli	cable regulations	s; AND, if this
waste is a treatment residue of a previous been treated in accordance with the requi	siy restricted naza frements of 40 CF	roous waste subject R 268 and is no long	io ine Lano Disposal Restri ter a hazardone wasto as di	ictions. I cer efined by 40	ury and v	varrant that the 1 11	waste has
(/ .) /	1		1 1 1				
YAUL 64220		cul gasto	(BS Agent For Gener	atoR	12/9	114	
p. Generator Authorized Agent Name (Pr	int) I	q. Signature			r. Date		
II. TRANSPORTER (Gene	erator complete	es Ila-b and Trar	sporter completes Ilc-	-e)	_		
a. Transporter's Name and Address:				···		****	
1027 Bacon Road	· - ~						
Hinesville, GA 31313	5308						
b. Phone: 912.412.2402	=-	1	<u> </u>				
V= TE/O//	CONTV	1/2/1/1	E I	V /-	1.5 /		
N-87THESHIN	KIC /	1611-1/	XXIII Mill	12	10/1	<u> </u>	
c. Driver Name (Print)	d/s/g			e. Date		-	
III. DESTINATION (General	tor complete I	Illa/c and Destina	ation Site completes III	ld-g)			
a. Disposal Facility and Site Address:		c. US EPA Nun	ber d. Discrepancy Indica	ation Space	:		
Savannah Regional Industr	lel i snatili		1)	•			
84 Ciffon Bird	roneim)				
b. Port Wentworth, GA 31407	912.964.2812	\					
I hereby certify that the above named ma	terial has been a	ccepted and to the b	est of my knewledge the for	egoing is tn	e and a	curate.	
		10			1- 1	O /	
VIII COL		/ V	1	<u> </u>	14	7/19	
e. Name of Authorized Agent (Print)		ature		g. Date			
IV. ASBESTOS (Generator	completes IV	a-f and Operator	complete IVg-i)				
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	dress:	•	
			- •				
b. Phone:			d. Phone:				
e. Special Handling Instructions and Add	itional Information	1:					
f. Friable Non-Friable Bott		Friable	% Non-Friable	entoly docor	ibad aba	us buths	objectes some
OPERATOR'S CERTIFICATION: I hereb and are classified, packaged, marked an	y deciare that the	o Contents of this Content of the co	signment are tully and accur nects in proper condition for	rately descr r transport e	rccougue IDEO SDO	ve by the proper to applicable in	emational and
national governmental regulations.	u iaueieu/piacaru	ou, and and in an 168	horm in biobai condition ici	amohou a	uning	re obbiicane iii	
				T			
g. Operator's Name and Title (Print)		nature		i. Date			/AT
*Operator refers to the company which o	wns, leases, cper	rates, controls, or sup	pervises the facility being de	molished of	renovate	ea, or the demol	mon of
renovation operation or both							

CELL DATE/TIME OUT 12:28 PII	20.58 INBOUND 41,160 EXTENSION TAX TOTAL HATE	NET AMOUNT TENDERED CHANGE CHANGE CHECKE
4-2812 Michelle 9434 Michelle	62,640 NET FONS 21,480 NET WEIGHT 41, CHATHAM COUNTY REGION CHATHAM COUNTY REGION	the formers and understands th
ANNAH REGIONAL LA 84 CLIFTON BLV WORTH, GA ental Services, I	ROSS WEIGHT TARE WEIGHT FRANS/TRUCK OILL HITAL FEE ')	Customer acknowledges that he or she

RS-L0424DR (07/12)



2204118

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)						
a. Generator's US EPA ID Number N/A	c. Page 1 of							
d. Generator's Name and Location: Rheem Manufacturing Compa	iny		e. Generator's Mailing Add	dress: Mai Service	s IIC	1		
139 Brampton Road	•		4943 Austin Pari	k Avenue	,			
Savannah, GA 31408 f. Phone:			Buford, GA 3051	8				
If owner of the generating facility differs fr	om the generator,	provide:	g. Phone:			 _		
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Containers n. Total o. Unit				
		Description		No.	Туре	Quantity	Wt/Vol	
31101420787		Non-Regu	lated Soil	Dı	mp	,	rons	
				 		 	-	
GENERATOR'S CERTIFICATION: I here	by certify that the	ahove named mate	dal is not a hazardaya yantı	0.00 40500	d b 40 O	[
i state law, has been properly described, cl	lassified and nack:	aara ni zi bas bass	Ar condition for transportatio	an according	a to canti	abla mandalian	A A A IF A LIL	
waste is a treatment residue of a previous been treated in accordance with the requi	siv restricted hazar	dous waste subject	to the Land Disposal Restri	ctions I cou	tifu and u	merant that the v	waste has	
111. 11.	1		1				·	
P. Generator Authorized Agent Name (Pri	-t\	. Signature)(AS Agent For Gence	rator)		114		
II. TRANSPORTER (Gene			Sporter completes lie		r. Date			
a. Transportarie Namerand Address:	rator complete	S IId-D and Trai	isporter completes lic-	()		······································	· · · · · · · · · · · · · · · · · · ·	
1027 Bacon Road Hinesville, GA 31313 912.412.2402								
b. Phone: 512.412.2402		<u> </u>						
X Sharron Little	es XS	Mallow	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	X 12	110/14			
c. Driver Name (Print)	d. Sign			e. Date				
III. DESTINATION (General	or complete ill							
a. Disposal Facility and Site Address:	at t andfill	c. US EPA Num	nber d. Discrepancy Indica	ation Space);			
Savannah Regional Industri 84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812							
b. I hereby certify that the above named may	erial has been ac	cepted and to the be	est of my knowledge the fore	egging is to	e and ac	rurate		
		11			1 >	-1000	• 1 i	
e. Name of Authorized Agent (Print)	f. Signa	turo V		g. Date		10	1	
IV. ASBESTOS (Generator			complete (Va-i)	y. Date			·	
a. Operator's Name and Address:		Tuna Operator	c. Responsible Agency Na	me and Ado	droce.			
			e. Responsible Agency Ha	ino and Adi	J1633.			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addit	tional Information:		d. Prione:					
f. ☐ Friable ☐ Non-Friable ☐ Both	% F	riable	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	/ declare that the of labeled/placarde/	contents of this cons d, and are in all resp	signment are fully and accur pects in proper condition for	ately descri transport a	ibed abov ccording	e by the proper to applicable inte	shipping name emational and	
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date				
*Operator refers to the company which over renovation operation or both	ıns, leases, opera	tes, controls, or sup	ervises the facility being der	nolished or	renovate	d, or the demolit	ion or	

	The mass medically design and building the control of the standard of the deciment of the standard of the stan	EE 5	OSS WEIGH	SAVANNAH REGIONAL 84 CLIFTON E PENTWORTH, GA COmmental Services, C 29073
SIGMATURE LA LA LA LA LA LA LA LA LA LA LA LA LA	Westerner, 19 to the control of the	COUNTY REGION		NDFILL 12-964-2812
TEMPLIN. CLASS.		EXTENSION IAX ITTAL	1:04 Em DATE TO 1:04 Fm CONTANUE OFF 1:04 Fm 1:04 Fm	



2204119

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\underline{\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	lor completes la-r	١						
a. Generator's US EPA ID Number		. Manifest Docu	ment Number		o Poss	1.4	·	
N/A			······································		c. Page	1 01		
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					
f. Phone:			Buford, G.	A 30518				
If owner of the generating facility differs f	rom the generator, pro	ovide:	g. Frione.					
h. Owner's Name:								
j. Waste Profile #	k. Exp. Date	I Waste Shir	i. Owner's Phone No					
		Description		No.	tainers Type	n. Total Quantity	o. Unit Wt/Vol	
					75-	- Gazantary	*******	
31101420787		Non-Regu	lated Soll			Ì	}	
				1	mp	Tons		
							1010	
						ł		
							1	
						 	- 	
	:			l		}	-	
05.150		<u>[</u>				ĺ		
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c	by certify that the abo	ve named mate	rial is not a hazardous	waste as define	d by 40 C	FR 261 or any	annlicable	
waste is a treatment residue of a previous	sly restricted bazarday	s, eno is in prop	to didition for transpi	ortation accordin	g to applic	able regulation	ns; AND, if this	
waste is a treatment residue of a previous	rements of 40 CFR 26	is waste subject 38 anglis no lond	to the Land Disposal Ier a hazardous waste	Restrictions. I ce	rtify and w	ramant that the	waste has	
YAUL GAZZO	1/2	<i>t/</i>	. ,		•	4		
p. Generator Authorized Agent Name (Pri	- Yan	4 3911	ASA gent For 6	resorghn)	1219	ley		
		nature //			r. Date			
	rator completes II	a-b and Tran	sporter completes	s IIc-e)				
a. Transporter's Name and Address: Ban Trucking 1027 Bacon Road		0.1	2.0					
Hinesville, GA 31313		BN.	50					
b. Phone: 912.412.2402								
X ()	17 190		1.44	1/2				
c. Driver Name (Print)		i long	13 11 Uiz-	17	נייל <i>פונ</i> י	,		
	d. Signatur	3		e. Date				
	or complete Illa-c	and Destina	tion Site complete	es IIId-g)				
a. Disposal Facility and Site Address:		c. US EPA Num	ber d Discrepancy	Indication Space	:			
Savannah Regional Industria	al Landfill			1				
84 Ciltion Bivd b. Port Wentworth, GA 31407	912,954,2812			1				
I hereby certify that the above named mat	enai nas been accepte	ed and to the be	st of my knowledge th	e foregoing is tru	e and acc	zurate.		
VC			17					
e. Name of Authorized Agent (Print)	f. Signature		1	g. Date	12-1	16 //-		
IV. ASBESTÓS (Generator	completes IVa-f a	nd Operator	complete (Va-i)		1.	L		
a. Operator's Name and Address:			c. Responsible Agenc	v Name and Add	lroce:			
			- respendent rigorio	y wante and Add	11000.			
		1						
b. Phone:		1.	d. Phone:					
e. Special Handling Instructions and Addit	ional Information:							
f. 🗆 Friable 🗆 Non-Friable 🗆 Both	% Friable		9/ Non Cristia					
OPERATOR'S CERTIFICATION: I hereby	declare that the conte	nte of this consi	% Non-Friable	rourstely desert	and above	his the area	-bl!	
	labeled/placarded, an	d are in all respe	ects in proper condition	n for transport ac	cording to	o applicable inte	snipping name emational and	
national governmental regulations.								
				1				
g. Operator's Name and Title (Print)	h. Signature			i. Date				
*Operator refers to the company which ow	ns, leases, operates, o	ontrols, or supe	rvises the facility being	demolished or	Patevone	or the demolis	ion or	
renovation operation or both				,	J.,J.	or nie agmoni	IOII UI	

		·
INBOUND TAN TAN TOTAL TOTAL TOTAL TOTAL CHANGE CHANGE CHANGE		
Sile Weininassen 943468 Weininassen 943468 Wichinas	·	
Signar acknowledges that to or she that can and unders Signature — Signature		
SAVANNAII RECIONAL LANDFILL 100014		
The undersigned individual sign of the side and than is a sign of the side and than is a sign of the side and than is a side and than it as a side and	·	



2204120

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes la-r)								
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number	c. Page 1 of				
N/A				1				
d. Generator's Name and Location: Rheem Manufacturing Compa	IUA		e. Generator's Mailing Add A&D Environmen	dress:	SHC			
139 Brampton Road	··· ,		4943 Austin Par		o, LL			
Savannah, GA 31408			Buford, GA 3051	18				
f. Phone:			g. Phone:					
If owner of the generating facility differs fr	om the generator,	provide:						
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date		ping Name and	m. Cont		n. Total	o. Unit	
		Description		No.	Туре	Quantity	WtVcl	
24444187707			alondon of Miles					
31101420787		Mourkedr	ilated Soli 1	041	пр	,	ons	
			•			· · · · · · · · · · · · · · · · · · ·		
				 				
							1	
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous wast	e as defined	by 40 C	FR 261 or any a	nnlicable	
l state law, has been properly described, cl	assified and pack	aged, and is in prop	er condition for transportation	on according	to annlic	rahla regulations	AND if this	
waste is a treatment residue of a previous been treated in accordance with the requi	ily restricted haza rements of 40 CF	rdous waste subject R 268 and is no lon	t to the Land Disposal Restri	ictions. I cer	tify and v	varrant that the v	vaste has	
		0 // .		· ·				
PAUL GAZZO		with asol	(BS ASCAT FO-Gancia	inton)	12/9/	114		
p. Generator Authorized Agent Name (Pri		. Signature			r. Date	-,,,	······································	
II. TRANSPORTER (Gene	rator complete	es lia-d and Tra	nsporter completes lic-	-e)				
a. Transporter Narron and Address:		•	<i>:</i>					
Hinesville, GA 31313		b1	V 28					
b. Phone: 912.412.2402		_						
TV -	Ve	7	- 1/	11/ 101				
A J. C. Hall		J. C. 4	<u>ou</u>		WILL			
c. Driver Name (Print)	∫ d. Sign		-41	e. Date				
III. DESTINATION (General	or complete ii							
a. Disposal Facility and Site Address:	1 	c. US EPA Nur	nber d. Discrepancy Indic	ation Space	:			
Savannah Regional Industri 84 Clifton Blvd	ai Landiiii							
Port Wentworth, GA 31407	912.954.2812							
I hereby certify that the above named ma	erial has been ac	cepted and to the b	est of my knowledge the for	egoing is tru	e and ac	curate.		
M		11		1	·			
e. Name of Authorized Agent (Print)	f. Signa	aturo c		[2/11/15]				
IV. ASBESTOS (Generator			complete (Va-i)	g. Date		- 	- 	
a. Operator's Name and Address:	completes ive	i-i and Operator	c. Responsible Agency Na	ma and Ada	denne:			
a. Operator s reame and Address.			c. Responsible Agency Na	mie anu Aut	ness.			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addi	tional Information:	· · · · · · · · · · · · · · · · · · ·	4. 1 1101101					
_								
f. ☐ Friable ☐ Non-Friable ☐ Both	% F	riable	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby	declare that the	contents of this con	signment are fully and accur	rately descri	bed abov	e by the proper	shipping name	
and are classified, packaged, marked and national governmental regulations.	i labeled/placarde	d, and are in all res	pects in proper condition for	r transport a	cccrding	to applicable inte	emational and	
national governmental regulations.				 				
				ļ				
g. Operator's Name and Title (Print)	h. Sigr		conject the facility being de-	i. Date	rone := t-	d or the demand	ion or	
*Operator refers to the company which over renovation operation or both	ms, iedses, opera	aco, condus, or suj	servises the raciity being del	munaneg of	ieiiuvaie	a, or the demolit	IUH UI	

1741 Lexi:	l4 Env: Calks	ironmental Services, LLC s Ferry Rd. , SC 29073	2-964-2812		WEIGHMASTER Mi Chelle Mi Chelle DATE/TIME IN 12-10-20 VEHICLE BN-22 REFERENCE 2204122 BILL OF LADIN	e J. 014 1:1	8 pm 12-	TIME OUT 10-2014 AINER	1:18 pr
	SCALE SCALE		63,900 21,480	NET NET W	TONS EIGHT	21.21 42,420	I	NBOUND	
QTY.	UNIT	DES	CRIPTION		***************************************	RATE	EXTENSION	TAX	TOTAL
21.21 20.00 21.21 1.00 1.00	YD TN	FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	CHATHAM						
								<u>A</u>	NET AMOUNT
									TENDERED

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the ter on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

(SITE

TICKET 2

943474

CELL

CHANGE CHECK.

SITE

RS-F042UPR (07/12)

SAVANNAH REGIONAL LANDFILL



2204122

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-r)							
a. Generator's US EPA ID Number N/A	Manifest Docur	5.1 age 1 51						
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:					
If owner of the generating facility differs for	om the generator, prov	vide:		······································				
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Con	tainers	n. Total	o. Unit	
	•	Description		No.	Туре	Quantity	Wt/Vol	
31101420787		Non-Regulated Soll		Dε	mp		Τοης	
ĺ							1	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requirement.	assified and packaged Iv restricted hazardou:	I, and is in prop s waste subject	er condition for transportatio	n according	g to applie	cable regulation	AND Stable	
PAUL G4220	Par	ارداد هر کرک	DASAGENT For Gener	enton)	12191	les		
p. Generator Authorized Agent Name (Prin		nature /	, , , , , , , , , , , , , , , , , , ,		r. Date			
II. TRANSPORTER (Gene	rator completes II	a-b and Trar	sporter completes Ilc-	e)				
1027 Bacon Road Hinesville, GA 31313 b. Phone:	a. Transporter's Name and Address: 1027 Bacon Road Hinesville, GA 31313 O12 412 2000							
c. Driver Name (Print)	d. Signature	alla (Za Itov	e. Date	**/	12),0/14	· · · · · · · · · · · · · · · · · · ·	
III. DESTINATION (Generat			tion Site completes Ille					
a. Disposal Facility and Site Address:		c. US EPA Num			•			
Savannah Regional Industria 84 Clifton Blvd b. Polt Wentworth, GA 31407	912.954.2812			•				
I hereby certify that the above named mat	erial has been accepte	ed and to the be	est of my knowledge the fore	egoing is tn	ue and ac	curate.		
		4		15 (131)				
e. Name of Authorized Agent (Print)	f. Signature		2	g. Date	1	- 7 - 7		
IV. ASBESTOS (Generator	completes IVa-f a	nd Operator	complete IVg-i)					
a. Operator's Name and Address: c. Responsible Agency Name and Address:								
b. Phone: d. Phone:								
e. Special Handling Instructions and Addit	ional Information:							
f. 🗆 Friable 🗆 Non-Friable 🗀 Both	% Friable	8	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the conte labeled/placarded, an	ents of this cons nd are in all resp	signment are fully and accura	ately descri transport a	bed abov ccording	e by the prope to applicable in	r shipping name temational and	
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signature ns, leases, operates,	e controls, or sup	ervises the facility being den	i. Date nolished or	renovate	d, or the demol	ition or	

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 68,420

01 943473	CELL
WEIGHMASTER	
<u>Michelle</u> J.	
DATE/TIME IN 12-10-2014 1:15 pm VEHICLE NE-5308	DATE/TIME OUT 12-10-2014 1:15 pm
REFERENCE	
2204121	T.**!!0.=0=
BILL OF LADING	INVOICE

	SCALI	OUT TARE WEIGHT	68,420 27,400	NET TONS NET WEIGHT	20.51	I	NBOUND	
20.51 20.00 20.51 1.00 1.00	YD TN	FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	СНАТНА	COUNTY REGION COUNTY REGION	RATE	EXTENSION	TAX	TOTAL

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.

CHANGE

NET AMOUNT

TENDERED

CHECK#

RS-F042UPR (07:12)



2204121

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generat	or completes I	а-г)					
a. Generator's US EPA ID Number		b. Manifest Docum	ment Number		c. Page	1 of	
N/A d. Generator's Name and Location:					1		
Rheem Manufacturing Comp	any		e. Generator's Mailin	g Address: Inmental Service	95 110		
139 Brampton Road	•		4943 Austin	Park Avenue	, LLC		
Savannah, GA 31408 f. Phone:			Buford, GA g. Phone:	30518			
If owner of the generating facility differs for	rom the generator,	, provide:	g. Friorie.				
h. Owner's Name:		•					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	i. Owner's Phone No. pring Name and		ntainers	1 - +-1-1	1 11 11
		Description		No.	Type	n. Total Quantity	o. Unit Wt/Voi
31101420787		Non-Regu	lated Soll	D	ump .		:
				_1			Tons
				1	İ	İ	
	j			1			
		-					
				1			
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous	waste as define	ed by 40 C	FR 261 or any	applicable
state law, has been properly described, ci waste is a treatment residue of a previous been treated in accordance with the requi							
been treated in accordance with the requi	rements of 40 CF	R 268 and is no long	ger a hazardous waste	estrictions, I co as defined by 4	entity and v 10 CFR 26	varrant that the	waste has
PAUL GAZZO		2000		rearthe)	4		
p. Generator Authorized Agent Name (Pri	nt) E	. Signature	ווא וואן וואקנינון	minne;	12/9	ery .	
II. TRANSPORTER (Gene			sporter completes	llc-e)	r. Date		
a. Transporter's Name and Address: Ban Trucking		o na o ana man	ioporter completes	110-e)			
1027 Bacon Road	620	.0					
Hinesville, GA 31313	.530	'δ	_				
b. Phone: 912.412.2402	- 11	<u>a</u> (\sim				
X Jett Lastins	مُحريلًا لِكُونَ	in the state of th		1. 17	1/0/1	(/	
c. Driver Name (Print)	d. Sign		- The state of the	e. Date	77071		
III. DESTINATION (General	or complete III	a-c and Destina	tion Site complete	s IIId-g)			
a. Disposal Facility and Site Address:		c. US EPA Num			e:		
Savannah Regional industri	al Landilli						
84 Cilfion Blvd Port Wentworth, GA 31407	912.964.2812						
0.	/						
I hereby certify that the above named mat	enai nas veen acc	septed and to the be	stio my knowledge the	foregoing is tr	ue and ac	curate.	
1 1 11 0000		- 4				2 100/	14
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator)	f. Signa	ture		g. Date		- / 4	7
IV. ASBESTOS (Generator a. Operator's Name and Address:	completes Iva	-r and Operator					
a. Operator's Name and Address.		-	c. Responsible Agency	y Name and Ad	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addit	ional Information:		d. 1 florid.				
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fr	iable	% Non-Friable	·		· · · · · · · · · · · · · · · · · · ·	
OPERATOR'S CERTIFICATION: I hereby	declare that the c	ontents of this cons	ignment are fully and a	ccurately desci	ibed abov	e by the proper	shipping name
and are classified, packaged, marked and national governmental regulations.	labeled/placarded	I, and are in all resp	ects in proper condition	for transport a	ecording t	o applicable int	emational and
goronnonta regulations.				- F			
a Operator's Name and Title (Date)							
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signa	ature	ervises the facility being	i. Date		d as the death	U
renovation operation or both	ioaooo, opeiai	oo, oominois, or supe	uie iaumy being	remonsted Cl	renovate(o, or the demoli	tion of

We delive the first of the firs	locations and the color of the	JAX HITTA	TENDERED CHECKS
Cusioning PORT MENTWORTH, CA 10001.3 A & PERVITORING BALL COLUMN TO A 10001.3 A & PERVITORING BALL COLUMN TO A 10001.3 CALL OF THE TOTAL TRADES O OUT TO A 10001.3 TO	SAVANNAH REGIONAL LANDFILL "" "" "" "" "" "" ""	HALL THE HEALT TRAILE THAIL THAIL CHAIN COUNTY REGION FIRST FEET OF THE STATE OF T	ned individual signing this document on behalf of Customer actrovoledges that he or since has the nutherity to sign this document on bohalf of the customers.

.



2204123

If waste is asbestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-	·r)						
a. Generator's US EPA ID Number		b. Manifest Docum	ument Number c. Page 1 of					
N/A d. Generator's Name and Location:			T			1		
Rheem Manufacturing Compa	an ķ		e. Generator's Mailing Ad A&D Environme	idress:	AC 11C			
139 Brampton Road	•		4943 Austin Pai	rk Avenue	20, 644			
Savannah, GA 31408 f. Phone:			Buford, GA 305	18				
If owner of the generating facility differs fr	om the generator, p	rovide:	g. Phone;					
h. Owner's Name:								
j. Waste Profile #	k. Exp. Date	I Waste Shin	i. Owner's Phone No.:	1 m Cou	ntainers	1		
	N. Enp. Cato	Description	hud wans and	No.	Type	n. Total Quantity	o. Unit Wt/Vol	
					- '/	- www.ru.y	114.00	
31101420787		Non-Regul	lated Soll	n		į		
		1401.1125-	1	"	mp	1	Tons	
				1	 		1 000	
]	
				1]	
						ļ]	
GENERATOR'S CERTIFICATION: I here	by certify that the ab	ove named mater	rial is not a hazardous wast	e as define	d by 40 C	FR 261 or any	applicable	
waste is a treatment residue of a previous	siv restricted bazardo	jeu, anu is in propi nije wasta subject	er condition for transportation to the Land Disposal Best-	on accordin	g to appli	cable regulation		
been treated in accordance with the requir	rements of 40 CFR	268 and is no long	ger a hazardous waste as d	efined by 4	O CFR 26	varrant that the i1.	waste nas	
AUL GAZZO	1 /	1. 1/	(AS Agent For Gene					
p. Generator Authorized Agent Name (Prin	nt) Es	Signature //	Children in Com	ac oron		/y		
II. TRANSPORTER (General			enorter completes lic-	-1	r. Date			
a. Transporter's Name and Address:	CALOR COMPLETE	na-b and me.	ishoirei combieres iic-	- e)				
1027 Bacon Road	-							
Hinesville, GA 31313	BN 3:	ラ ン						
b. Phone: 912.412.2402	らんしょ							
* Classon 1.44 or	N ()		l'1++	X 12,	17/4/	,		
c. Driver Name (Print)	d. Signatu	allen	TIMBE		بردر حاد ا			
III. DESTINATION (Generat			dian Cita completes III	e. Date				
a. Disposal Facility and Site Address:	or complete illa-	c. US EPA Num						
·	-1.1470	C. US EPA NUIII	ber d. Discrepancy Indica	ation Space) :			
Savannah Regional Industria 84 Clifton Bivd	ai Langilii	(
b. Port Wentworth, GA 31407	912.964.2812	λ						
I hereby certify that the above named mate	erial has been accer	pted and to the be	st of my knowledge the for	egoing is to	ie and ac	curate		
		11			1 15	1 /.4.		
e. Name of Authorized Agent (Print)	f. Signatur			1 2	/ 4/	<u> </u>		
IV. ASBESTOS (Generator o			complete IVa iV	g. Date	110	/ 		
a. Operator's Name and Address;	Muhieres (Ag-1				-	·		
d. Operator a Harrie and Address.			c. Responsible Agency Na	me and Ad	dress:			
							ļ	
b. Phone:			d Phases					
e. Special Handling Instructions and Additi	ional Information:		d. Phone:					
• • • • • • • • • • • • • • • • • • •	Miles in accordance							
f. ☐ Friable ☐ Non-Friable ☐ Both	0/ E-:-1							
f. ☐ Friable ☐ Non-Friable ☐ Both OPERATOR'S CERTIFICATION: I hereby	% Friat	ole otents of this cons	% Non-Friable	ciolu decor	Lad abou	- 5 15		
and are classified, packaged, marked and	labeled/placarded, a	and are in all resp	ects in proper condition for	transport a	ccording t	e by the proper to applicable into	shipping name; emational and	
national governmental regulations.		· · · · · · · · · · · · · · · · · · ·				- applicable int	critoconor and	
]	_						
g. Operator's Name and Title (Print)	h. Signatu	ITA		i. Date				
*Operator refers to the company which ow	ns, leases, operates	s, controls, or supe	ervises the facility being den	nolished or	renovated	d. or the demoli	tion or	
renovation operation or both			•			•		

CELL DATE/TIME OUT 12-10-2014 CONTABLE 1111001(1)	TAROUM	NET MOUNT TENDERTO CHANGE
wd	15.05 30,100 RATE EXTENSION	
SAVANNAH REGIONAL LAMBETEL. 84 CLIFFOH BAVE 912-964-3812 JENTWORTH, GA ronmental Services, LAC Ferry Rd. 87 29073	WEIGHT 52,860 WEIGHT 22,760 CHATHAM C FEE 5 FEE 5	
SAVANNAH REGIONE 84 CLIFTON 84 CLIFTON BORT WENTWORTH, GA 100014 A. D. Environmental Servic 1741 Colle: Ferry Rd. 1741 Colle: Ferry Rd.	20.00	·

the meter-agined individual segment hie destinated on behalf of Customer sucknowledges that he customer.

CHECK

Property Williams (1975)



2204124

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I	a-r)					
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ment Number		c. Page	1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
If owner of the generating facility differs from	om the generator.	, provide:	g. Phone:			····	
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	l m Cor	tainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	WtVol
31101420787		Non-Regu	ilated Soil	Di	mp	Т	one
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cli waste is a treatment residue of a previous been treated in accordance with the require	assified and pack ly restricted baza	aged, and is in prop rdous waste subject	er condition for transportation to the Land Disposal Postri	on accordin	g to appli	cable regulations	AAID ILALI-
PAUL GAZZO		and harm	45 Aseit For Gan		17.15	lix	
p. Generator Authorized Agent Name (Prin	nt)	. Signature	C. M. Marie Co.		r. Date	7	
II. TRANSPORTER (Gener			nsporter completes lic-	e)	5015		
a. Transporter Narching Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone:	P	3228					
c. Driver Name (Print)	X	Ji C 2)	all		10/14		
III. DESTINATION (Generat	d. Sign		tion City sempletes III	e. Date			
a. Disposal Facility and Site Address:	or complete it	c. US EPA Num					
Savannah Regional Industria 84 Clifton Blvd Port Wentworth; GA 31407	912.954.2812	J. So El Allan	u. discrepancy mulca	auon Space	.		
I hereby certify that the above named mate	erial has been ac	cepted and to the be	est of my knowledge the fore	egoing is tr	ue and ac	curate.	
M				,	\sim	11: 11	i
e. Name of Authorized-Agent (Print)	f. Signa			g. Date	/	4 	
IV. ASBESTOS (Generator of	completes IVa	-f and Operator	complete IVg-i)		1	,	
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addit	ional Information:						
f. Friable Non-Friable Both	% F	riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the labeled/placarde	contents of this cons d, and are in all resp	signment are fully and accur pects in proper condition for	ately descr transport a	ibed abov occording	e by the proper s to applicable inte	shipping name mational and
g. Operator's Name and Title (Print)	h. Sign	nature	and an Abe Sa - Maria	i. Date		- A 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
*Operator refers to the company which ow renovation operation or both	rns, reases, opera	ues, controls, or sup	ervises the facility being der	TIOUSNED OF	renovate	a, or the demolitic	on Cr

	The second second
2:04 DII TOTAL	TENDERED CHANGE CHECK®
TIME OUT TANER INBOUND TAX	sed conditions
Extra 00 00 00 00 00 00 00 00 00 00 00 00 00	sehe ins read and uniteralizates the terms and conditions
12 6 7 7 7 1 0 1	ns peas to the to the total on
THAM C	
NNAH REGION 84 CLIFTON 84 CLIFTON 0RTH, GA ntal Servic y Rd. 29073 GROSS TARE TARE TARE 1 TANE 1 TONMENTAL 1 RONMENTAL	
PORT 1 D Envi Calks ngton, 0142078 SCALE SCALE SCALE SCALE SCALE SCALE 27 EA 000 YD	
CUSTOWER 1000 A & 1741 Lexi 2007.	

The understyned individual signing this document on behalf of Gustomer acknowledges that to or she inos reformer.

The understyned individual signing this document on behalf of the customer.

SignaTuRE

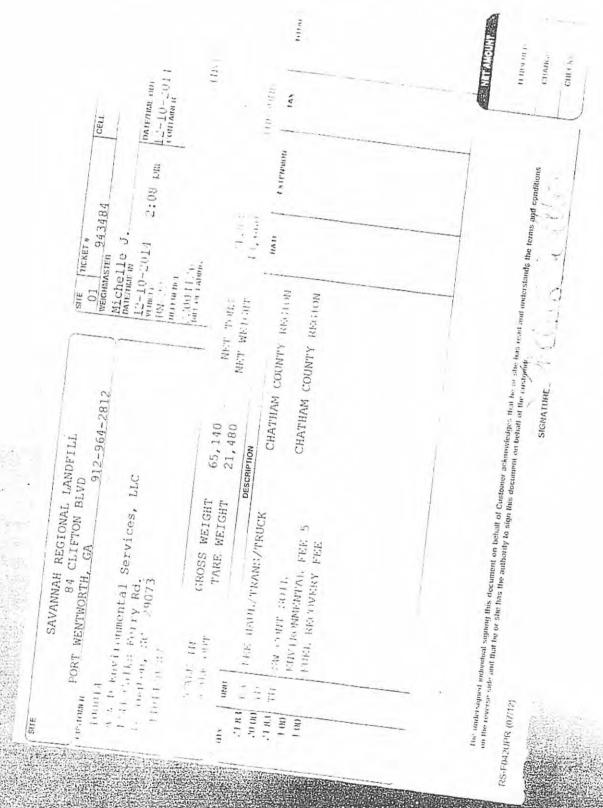
RS-F042UPR (07/12)



2204125

If waste is asbestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

I. GENERATOR (General	or completes la	ı-r)	·					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number	c. Page 1	of			
N/A					0. 1 ago 1	1		
d. Generator's Name and Location: Rheem Manufacturing Comp.	3NY		e. Generator's Mailing Address:					
139 Brampton Road	·y		AGU Environ	mental Servic	es, LLC			
Savannah, GA 31408			4943 Austin Park Avenue Buford, GA 30518					
f. Phone: If owner of the generating facility differs for	rom the generates		g. Phone:					
1	ioni the generator,	provide:						
h. Owner's Name:	 		i. Owner's Phone No.:					
j. waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and			n. Total	o. Unit	
		Description		No.	Туре	Quantity	Wt/Vol	
24104400707				1	1		}	
31101420787		Non-Regu	lated Soll	DL	mp	_		
				1		<u>T</u>	otte	
					Ì			
		İ						
								
							1	
GENERATOR'S CERTIFICATION: I here state law, has been properly described of	by certify that the a	bove named mate	rial is not a hazardous w	aste as define	d by 40 CER	261 or any a	nnlicable	
state law, has been properly described, of waste is a treatment residue of a previous	lassified and packa	ged, and is in prop	er condition for transport	ation accordin	g to applicat	le regulations	: AND, if this	
waste is a treatment residue of a previous been treated in accordance with the requi	siy restricted nazaro frements of 40 CFR	lous waste subject 268 and is no lone	to the Land Disposal Re	strictions. I ce	rtify and war	rant that the w	aste has	
Wait (222	7	2 1/ 2		_				
PAUL GAZZO	- 4	al amy	1 HS ASWH For Ga	caston)	12/9/14	;		
p. Generator Authorized Agent Name (Pri		Signature //			r. Date			
II. TRANSPORTER (Gene	rator completes	lla-b and Trar	isporter completes I	lic-e)				
a. Transporter's Name and Address:								
1027 Bacon Road Hinestille, GA 31313	_ 53 08							
b. Phone: 1912.412.2402								
V. Frione	11/2	3 - 3 - 3		46				
Solexia (XIII)	X<	JC+7.	as I now	(X 121)	0\			
c. Driver/Name (Print)	1 d. Signa			e. Date			···	
III. //DESTINATION (General	tor complete Illa	-c and Destina	tion Site completes	illd-g)				
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Inc	dication Space	:			
Savannah Regional Industria	al Landfill	l (
84 Cliftón Bivð Port Wentworth, GA 31,407	912.964.2812)					
I hereby certify that the above named mat	enal has been acce	epted and to the be	st of my knowledge the t	foregoing is tru	e and accur	ate.		
		6	8		12.9	-14		
e. Name of Authorized Agent (Print)	f. Signate			g. Date	<u> </u>			
IV. ASBESTOS (Generator	completes IVa-f	and Operator	complete IVg-i)					
a. Operator's Name and Address:			c. Responsible Agency I	Name and Add	ress:	·· · · · · · · · · · · · · · · · ·		
			- •					
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addit	ional Information:							
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fria	ble	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby	declare that the co	ntents of this cons	compant are fully and acc	zurately descri	bed above b	y the proper s	hipping name	
and are classified, packaged, marked and national governmental regulations.	iaueied/placarded,	and are in all resp	ects in proper condition f	for transport a	ccording to a	pplicable inter	national and	
G. Oppostor's Name and Title (Delet)		• · · · · · · · · · · · · · · · · · · ·						
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signat	ure s controls or succ	minor the facility but	i. Date				
renovation operation or both	ns, icasos, opeiale	a, cumuus, ur supe	n vises the racility being o	remoushed or	renovated, o	r the demolitic	on or	





2204126

If waste is asbestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

. GENERATOR (Generate	or completes is	a-r)					
L N/A			ument Number c. Page 1 of				
d. Generator's Name and Location: Rheem Manufacturing Compa	INY	I	e. Generator's Mailing Address: A&O Environmental Services, LLC				
139 Brampton Road			4943 Austin Parl	karanie Karenie	10, LLL		
Savannah, GA 31408			Buford, GA 3051				
f. Phone:			g. Phone:				
If owner of the generating facility differs from	om the generator,	provide:					
h. Owner's Name:	· · · · · · · · · · · · · · · · · · ·		i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		ping Name and	m. Con	tainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	lated Soll	Dt	тр		
			1			To	hs
	•						,
						 	
				ĺ		ĺ	
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mater	rial is not a hazardous waste	ac define	d by 40 C	ED 264	-1161-
							este has
O 11 C	rements of 40 CF)	208 and is no long	er a hazardous waste as de	fined by 4	0 CFR 26	1.	
YAUL 64220	-	two King	. As oscut For General	to2)	12/9/1	Y	
 p. Generator Authorized Agent Name (Pring 	nt) ^F q.	. Signatare			r. Date	·	·
II. TRANSPORTER (Gener	rator complete	s Ila-b and Tran	sporter completes IIc-	e)			
a. Transporter is Name and Address:				-/			
1027 Bacon Road	0.1	11					
Hinesville, GA 31313	15N	12					
b ₂ Phone: 912.412.2402)						
& Shapparl 1.1400	V de	10 100	CATE	1	101	7	
MI COKOL LITTLE		Yeally (XALLEX	<u>» 12</u>	10/14		
c. Driver Name (Print)	d. Sign:			e. Date			
III. DESTINATION (Generate	or complete III	a-c and Destina	tion Site completes Illo	d-g)			
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Indica	tion Space	:		
Savannah Regional Industria	al Landfill						
84 Clifton Bird Port Wentworth, GA 31407	912.964.2812	1 /					
D . /		/	/				
I hereby certify that the above named mate	erial has been acc	epted and to the be	est of my/knowledge the fore	going is tn	e and ac	curate.	
William		JI K			1)	17 . 11.	
e. Name of Authorized Agent (Print)	f. Signa	ture		g. Date	17	-10-1-1	·
IV. ASBESTOS (Generator of			complete (1/a i)	y. Date		` ` `	
a. Operator's Name and Address:	sompletes iva-						
a. Operator's Name and Address.		<u>'</u>	c. Responsible Agency Nan	ne and Add	iress:		
h. Phase			•				
b. Phone: e. Special Handling Instructions and Addition	and Information.		d. Phone:				
c. Opecial manusing instructions and Additi	ionai iniormation:						
f. Friable Non-Friable Both	% Fr	iable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby	declare that the c	ontents of this cons	ignment are fully and accura	tely descri	bed abov	e by the proper sh	nipping name
and are classified, packaged, marked and national governmental regulations.	ranereo/pracardeo	i, and are in all resp	ects in proper condition for t	ransport a	ccording t	o applicable inten	national and
g							
		<u> </u>				<u> </u>	
g. Operator's Name and Title (Print)	h. Signa	ature		i. Date			
*Operator refers to the company which own renovation operation or both	ns, leases, operat	es, controls, or supe	ervises the facility being dem	olished or	renovate	1, or the demolition	n or

LUUUL ENVIRONMENTAL SERVICES, LLC
LUUUL ENVIRONMENTAL SERVICES,
A & Calks SC 29073
Lexington, CUSTOMER 31101420787 PORT WENTWORTH GA SAVANNAH REGIONAL LANDETLL 17.69 SCALE OUT 0.00 17.69 1.001 E. 弘 The impressions and the or are here the anthrothy to sign this document of the control of the co FEE-HAUL/TRANS/TRUCK KE-LIMYADIK (OTIVZ) ENVIRONMENTAL FEE 5 SM-CONT SOIL FUEL RECOVERY FEE THRE, WEIGHT 912-964-2812 59,380 24,000 CHATHAM COUNTY REGION CHATHAM COUNTY REGION) WEIGHWASTER NET WEIGHT Michelle III NET TONS Pant of Laping REFERENCE - THICKET & 2:34 DM 17.69 35,380 CONTAINER 12014 PATETIME OUT. INBOUND THMOTCE 1072 Chemonic TENDERED CHANGE CHECKI



2204127

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

1. GENERATOR (Generate	or completes la	-r)						
a. Generator's US EPA ID Number b. Manifest Do			ument Number c. Page 1 of					
N/A d. Generator's Name and Location:								
Rheem Manufacturing Compa	iny		e. Generator's Mailin	ng Address: Onmental Servi	nes IIC			
139 Brampton Road Savannah, GA 31408			4943 Aust	in Park Avenue	oco, LLO			
f. Phone:			Buford, GA 30518 g. Phone:					
If owner of the generating facility differs from	om the generator, p	provide:	g. / none.					
h. Owner's Name:			i Cumora Bhasa Na					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	i. Owner's Phone No		ntainers	n. Total		
	-	Description		No.	Туре	Quantity	o. Unit Wt/Vol	
31101420787		Non-Regu	lated Soli	٥	І тр			
				1	ļ		Tons	
						l		
						<u> </u>		
		1		İ				
				ł	1			
GENERATOR'S CERTIFICATION: I here state law, has been properly described. cla	by certify that the a	bove named mater	rial is not a hazardous	waste as define	ed by 40 C	FR 261 or any	annlicable	
waste is a treatment residue of a previous	ly restricted beyond	goo, and is in propi	er condition for transpo	ortation according	ng to applic	able regulation	ns; AND, if this	
been treated in accordance with the requir	ements of 40 CFR	268 applis no long	er a hazardous waste	as defined by 4	entity and w 10 CFR 26	varrant that the 1.	waste has	
LYAUL GAZZO	17.	al Roma	LAS AGENT FOR G		12/9			
p. Generator Authorized Agent Name (Prin		Signature) () () () () () ()	- CEADER)	r. Date	,,,		
II. TRANSPORTER (Gener	ator completes	lla-b and Tran	sporter completes	s IIc-e)	1 1. Date			
a. Transpoder's Name and Address:				0/			·	
1027 Bacon Road Hinesville, GA 31313		0.12	7/					
b. Phone: 912.412.2402		15N 34		-				
3 / // // /	()	N.	<i>i</i> 11 1					
	X	Veran	ditto:	Xn	10/14	,		
c. Driver Name (Print)	d. Signat			e. Date				
III. DESTINATION (Generate a. Disposal Facility and Site Address:	or complete Illa	-c and Destina						
		c. US EPA Numi	ber d. Discrepancy	Indication Space	9:			
Savannah Regional Industria 84 Clifton Blyd	i Landilli							
b. Port Wentworth, GA 31407	912.954.2812		•					
I hereby certify that the above named mate	rial has been acce	pled and to the be	st of my knowledge the	e foregoing is tr	ue and acc	N rento		
Military		-710		o toregoing is t	_	- 11 .		
e. Name of Authorized Agent (Print)	f. Signatu	re	\leftarrow	- 1 - Data	2-10	3.14	· · · · · · · · · · · · · · · · · · ·	
IV. ASBESTOS (Generator o			complete IVa-i)	g. Date				
a. Operator's Name and Address:	•		c. Responsible Agenc	v Name and Ad	deope:			
			- respensible rigolo	y warne and Ad	ui c ss.			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addition	onal Information:							
f. Friable Non-Friable Both	% Fria	ble	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and in patiental governmental soculations.	ueciare inal the cor abeled/placarded.	ntents of this consi- and are in all respe	gnment are fully and a ects in proper condition	ccurately descr	bed above	by the proper	shipping name	
national governmental regulations.			proper condition	uansporta		o applicable (N)	RITERIOUSI STO	
g. Operator's Name and Title (Print)	h. Signatu	ire		i. Date				
*Operator refers to the company which own renovation operation or both	s, leases, operates	, controls, or supe	rvises the facility being	demolished or	renovated	, or the demolit	ion or	
Operation of Dott								

The undersigned individual signing this document on ton the undersigned and that he or she has the authority on the reverse side and that he or she has the authority.	SITE SAVANNAH REGIONAL LANDFILL BORT MENTWORTH. GA PORT MENTWORTH. GA LOUSTONIER 100014 100014 1741 Calks Ferry Rd. 1741 Calks F
The undersigned individual signing this document on behalf of sign this document on hehalf of the customer. The undersigned individual signing this document to sign this document on hehalf of the customer. SIGNATURE	SITE TICKET'S 943494 01 Michaelle J. Mic
TENDERED CHANGE CHECK#	DATEFINE OUT 1.2-10-2014 2.47 DM CONTAMER INVOICE INVOICE TAX TOTAL ATE EXTENSION TAX TAX TOTAL



2204128

If waste is asbestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

I. GENERATOR (Genera	itor comp	letes la-r))					
N/A			. Manifest Docur	ment Number	c. Page 1 of			
d. Generator's Name and Location; Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone: If owner of the generating facility differs from the generator, provide:				e. Generator's Majtino Address: ALD Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:				
h. Owner's Name: i. Waste Profile #	l to Chan I	Data	T I Marks Obje	i. Owner's Phone No.:	· · · · · · · · · · · · · · · · · · ·			
j. Wasie i rolle #	k. Exp. i	Date	Description	ping Name and	M. Co No.	ntainers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787 Non-R			Non-Regu	lated Soil	D	ттр		Tons
GENERATOR'S CERTIFICATION: I he state law, has been properly described, waste is a treatment residue of a previo been treated in accordance with the requirement.	ciassilleo al Isly restricte	no package: ed hazardo::	o, and is in prop is waste subject	er condition for transportation to the Land Disposal Restricted as deep a hazardous waste as d	on accordir ictions. I ce efined by 4	ng to applied to the control of the	cable regulation warrant that the 61.	4 5 155 15 45 1
PAUL GAZZO		Pa	JENO!	48 Agent For Gance	2 Atol)	12/9	114	
p. Generator Authorized Agent Name (F			gnatyre/			r. Date		
II. TRANSPORTER (Gen a. Transporterie Namenand Address:	erator co	mpletes li	a-b and Trar	sporter completes lic-	·e)			
1027 Bacon Road Hinesville, GA 31313 b. Phone:			_ bn	131				
XXN GRIFFIX		X/XN	Life	att.	XIZ	10/14		_
c. Driver Name (Print)		d. Signatur			e. Date			
III. DESTINATION (General	ator comp							
a. Disposal Facility and Site Address: Savannah Regional Indust 84 Cliffon Bivd Port Wentworth, GA-31407 b.	912.96	4.2812	c. US EPA Num	,	•			
I hereby certify that the above named m	aterial has t	een accept	ed and to the be	est of my knowledge the fore	egoing is tr	ue and ac	curate.	
1 Michilla			VV		(7.	10-14	
e. Name of Authorized Agent (Print)		f. Signature			g. Date			
IV. ASBESTOS (Generato a. Operator's Name and Address:	complete	es IVa-t a	ind Operator	c. Responsible Agency Na		ld		
•				o. Nesponsible Agency Na.	ine and Ad	iuress.		
b. Phone: e. Special Handling Instructions and Add	titional Infor	mation:		d. Phone:				
o. Special Handling moductions and Add	ngoral INIO!	mauUH.						
f. ☐ Friable ☐ Non-Friable ☐ Bot	h	% Friabl	e	% Non-Friable				
OPERATOR'S CERTIFICATION: I herel and are classified, packaged, marked ar national governmental regulations.	ov declare ti	hat the conte	ents of this cons	ignment are fully and accur	ately descr transport a	ribed abov according	re by the proper to applicable int	shipping name
g. Operator's Name and Title (Print) *Operator refers to the company which of	wns leases	h. Signatur	e controls or sun	ervises the facility being do-	i. Date	r renovata	d or the demoti	tion or
renovation operation or both	······································	, operates,	windows, or supr	or vises the raciity being der	IIVIISIIBO O	renovate	u, or the demoti	uon or

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has rend 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.		SITE SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 84 CLIFTON BLVD 912-964-2812 CUSTOMER 100014 A & D Environmental Services, LLC A & D Environmental Services, LLC 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. SCALE IN SCALE IN TARE WEIGHT 16.84 EA 16.84 EA 16.84 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 1.00 FUEL RECOVERY FEE CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION
and understands the terms and conditions CHECKS	TENDERED TENDERED	Te 943495 DATE/INE OUT 2:49 DII 12-10-2014 2:49 DII 12-10-2014 2:49 DII 18-10-2014 2:



2204129

If waste is asbestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

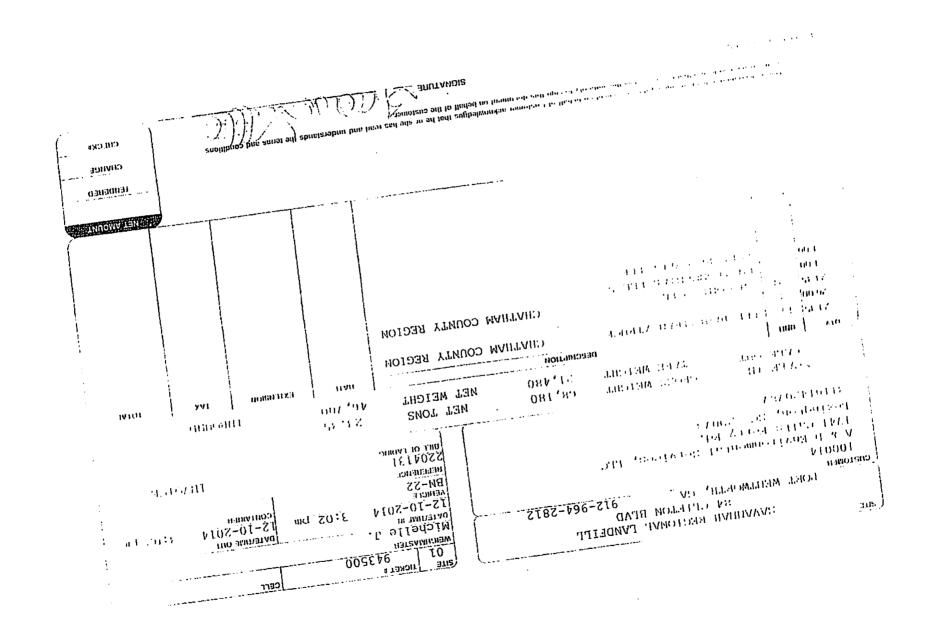
I. GENERATOR (Generate	or completes la	а-г)					
a. Generator's US EPA ID Number	b. Manifest Docu	cument Number c. Page 1 of			· · · · · · · · · · · · · · · · · · ·		
N/A					C. Fage	1	
d. Generator's Name and Location: Rheem Manufacturing Compa	IUA		e. Generator's Mailing Address: A&D Environmental Services, LLC				
139 Brampton Road	~~ ,		A&D Environmental Services, LLC 4943 Austin Park Avenue				
Savannah, GA 31408			Buford, GA 30518				
If owner of the generating facility differs from	om the generator	Drovide.	g. Phone:				
h. Owner's Name:	generator,	provide.					
j. Waste Profile #	In Euro Doto	L Mart Ott	i. Owner's Phone No.:				
). ************************************	k. Exp. Date	Description	ping Name and	m. Co No.	ntainers	n. Total	o. Unit
				140.	Туре	Quantity	WIVal
31101420787		Non-Regu	lated Sell				İ
		Morricega	iarea Sali	1 0	итр		Tons
				·	 	 	1008
							l
	1						
					 	 	
					1		
OCNICO ATOMIC OFFICE ATOMIC OF A TOMIC OF A							
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cla	by certify that the	above named mater	rial is not a hazardous w	aste as define	d by 40 C	FR 261 or any	applicable
waste is a treatment residue of a previous	lv restricted hazar	doue waste cubicot	to the Lead Disease D	tation accordin	ng to applic	cable regulation	s; AND, if this
been treated in accordance with the requir	ements of 40 CFF	268 and is no long	er a hazardous waste a	s defined by	10 CFR 26	varrant inat ine: 1.	waste nas
PAUL GAZZO	1/	Jul Smith	Sagent For Gen	(Autos)	12/9	live	
p. Generator Authorized Agent Name (Prin		Signature			r. Date	<u></u>	
II. TRANSPORTER (Gener	rator complete	s lla-b and Tran	sporter completes	lic-e)	1. Date		
a. Transporter's Name and Address:	_						
1027 Bacon Road	BAL	702					
Hinesville, GA 31313	から	100					
b. Phone: 912.412.2402	- K 4						
A Kevin ISVINES	X /	K Bun	n/	12	loly		
c. Driver Name (Print)	d. Signa	sture /		e Date	11077		
III. DESTINATION (Generate	or complete illa	a-c and Destina	tion Site completes	illd-g)			
a. Disposal Facility and Site Address:		c. US EPA Num			a :		
Savannah Regional Industria	i Landfill						
b. Port Wentworth, GA 31497.	912.964.2812						
b. For Wellwolli, GA 31404	912.904.2012	opted and to the his					
I hereby certify that the above named mate	Mai has been acc	epted and to the be	st of my knowledge the	foregoing is tr	ue and ac	curate.	
		1.1	>	_ \	2.	10.14	
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator of	f. Signat		$\langle \cdot \rangle$	g. Date			
	ompletes IVa-						
a. Operator's Name and Address:			c. Responsible Agency	Name and Ad	dress:		
b. Phone:							
e. Special Handling Instructions and Addition	onal Information:		d. Phone:				
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fri	oble	0/ 11				
OPERATOR'S CERTIFICATION: I heraby	declare that the co	ontents of this consi	% Non-Friable	curately docer	ibad abov	o hu tha mana	
	labeled/placarded	, and are in all respon	ects in proper condition i	for transport a	ccording t	a by the proper of a spolicable inte	snipping name emational and
national governmental regulations.				·			
g. Operator's Name and Title (Print)	h. Signa	ture		i. Date			
*Operator refers to the company which own renovation operation or both	is, leases, operate	es, controls, or supe	rvises the facility being o	demolished or	renovated	I, or the demolit	ion or



2204130

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

i. GENERATOR (Generate	or completes la-	-r)								
a. Generator's US EPA ID Number N/A		b. Manifest Docum	ument Number c. Page 1 of							
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone: If owner of the generating facility differs for	139 Brampton Road Savannah, GA 31408				e. Generator's Mailing Address: ALD Environmental Services, LLC 4943 Austin Park Avenue Buterd, GA 30518 g. Phone:					
in owner of the generating facility differs the	um me generator, p	provide:								
h. Owner's Name:			i. Owner's Phone No.:							
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and		ntainers	n. Total	o. Unit			
		Description		No.	Туре	Quantity	WiVol			
31101420787	Non-Regu	lated Soil	Di	тр		Толь				
	·									
GENERATOR'S CERTIFICATION: I here state law, has been properly described, clawaste is a treatment residue of a previous been treated in accordance with the requirement.	ly restricted hazard	ged, and is in propous waste subject 268 and is no long	er condition for transportation to the Land Disposal Restriger a hazardous waste as de	on accordinations. I ce efined by 4	ng to applic	cable regulation varrant that the 1.	AAID MALI-			
p. Generator Authorized Agent Name (Prin		Signature	45 Afcot for General	ron)		<i>y</i>				
II. TRANSPORTER (Gener					r. Date					
a. Transportació Namenand Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: C. Driver Name (Print)	5308	J 70	slinge &	(C)	12/14					
III. DESTINATION (Generate			ation Site completes III							
a. Disposal Facility and Site Address:	or complete ma	c. US EPA Num			<u>. </u>					
Savannah Regional Industria 84 Clifton Blvd Port Wentworth, GA 31407 b.	912.964.2812			•						
I hereby certify that the above named mate	erial has been acce	pted and to the be	est of my knowledge the fore	going is tr	ue and ac	curate.				
M		V_{i}			13	· 1-1)- 1	4			
e. Name of Authorized Agent (Print)	f. Signatu	ire		g. Date			- (
IV. ASBESTOS (Generator of	completes IVa-f	and Operator	complete IVg-i)							
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	ldress:					
h Share										
b. Phone: e. Special Handling Instructions and Additional Handling Instructions and Instructional Handling Instruction Handling Instru	ional Information:		d. Phone:							
	ionai information;									
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	% Fria declare that the co labeled/placarded.	ntents of this cons	% Non-Friable signment are fully and accur sects in proper condition for	ately descritransport a	ribed abov according	e by the proper to applicable int	shipping name emational and			
	<u></u>						· · · · · · · · · · · · · · · · · · ·			
g. Operator's Name and Title (Print) *Operator refers to the company which ow renovation operation or both	h. Signat ns, leases, operate	ure s, controls, or sup	ervises the facility being den	i. Date nolished o	r renovate	d, or the demoli	tion or			





2204131

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes I	a-r)						
a. Generator's US EPA ID Number	· · · · · · · · · · · · · · · · · · ·	b. Manifest Docur	ment Number	c Page	Page 1 of			
N/A	,		J 4.1 2go 7 0,					
d. Generator's Name and Location: Rheem Manufacturing Compai 139 Brampton Road Savannah, GA 31408 f. Phone:	ny		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
If owner of the generating facility differs fro	om the generator.	provide:	g. Phone:					
h. Owner's Name:	game, and	provide.						
j. Waste Profile #	k. Exp. Date	I Wasta Shir	i. Owner's Phone No.: pping Name and	1 0	4-7-			
, , , , , , , , , , , , , , , , , , , ,	r. Lxp. Date	Description	ping Name and	No.	tainers Type	n. Total Quantity	o. Unit Wt/Vol	
				140.	1,356	Coarinty	VV/V01	
31101420787	Non			Dı	тр	Tons		
							1	
		+						
GENERATOR'S CERTIFICATION: I hereb	ov certify that the	above named mate	rial is not a hazardous waste	e ac define	d by 40 C	ED 264		
waste is a treatment residue of a previously been treated in accordance with the require	iv resulcied dazar	maria dipenter	TO THE LAND PROPERTY DOOLS				waste has	
111. 1 7	3/16/10 0. 40 0. 1	App and is no long	1 1 - 1	-				
		car Jayo	.As Agust For Genera	toc)	12/9/	14	<u></u>	
p. Generator Authorized Agent Name (Prin		. Signatufe //			r. Date			
II. TRANSPORTER (General	ator complete	s Ila-b and Trar	nsporter completes lic-	e)				
a. Transporter's Name and Address: B&N Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	B	N 22						
V SY 10 1 1 111	. 118	1	1 Post	1 1 1	, , , , , , , ,			
c. Driver Name (Print)	d. Signa	MUDIN	Tillo.	X 13/1	iel 14		·····	
III. DESTINATION (Generate			tion Site completes III	e. Date				
a. Disposal Facility and Site Address:	J Complete in	c. US EPA Num						
Savannah Regional Industrial	i I sedfiii	U. US EFA Num	u. Discrepancy morce	tion Space) :			
84 Clifton Blvd	Lativin							
b. Port Wentworth, GA 31407	912.964.2812							
I hereby certify that the above named mate	rial has been acc	epted and to the be	est of my knowledge the fore	aoing is tn	e and ac	curate.		
· Cicle		MAN			\ .2 ·	Iroll		
e. Name of Authorized Agent (Print)	f. Signal	ture /		g. Date	V .x.	10.01		
IV. ASBESTOS (Generator c			complete (Va-i)	y. Date		R		
a. Operator's Name and Address:	••••	, a op 5. 2.2.	c. Responsible Agency Nar	ma and Add	4-000			
·			o. Neaponalule rigories mai	iic and Au	UI (53.			
		1						
b. Phone:	d. Phone:							
e. Special Handling Instructions and Addition	onal Information:							
f. 🗆 Friable 🔲 Non-Friable 🔲 Both	% Fri	iable	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby of	declare that the o	contents of this cons	innment are fully and accura	alely descri	bed above	e by the proper	shipping name	
and are classified, packaged, marked and I national governmental regulations.	abeled/placarded	I, and are in all resp	ects in proper condition for t	transport a	ccording t	o applicable inte	emational and	
Hauditai yoverfuncinai isydiaudiis.								
g. Operator's Name and Title (Print)	h. Signa	ature		i. Date				
*Operator refers to the company which own renovation operation or both	is, leases, operate	es, controls, or supe	ervises the facility being dem	nolished or	renovated	I, or the demolit	tion or	

The undersigned individual signing this document on on the nation of the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the has the author on the reverse side and that he or the author on the reverse side and that he or the author on the reverse side and that he or the author on the reverse side and that he or the reverse side and that he or the author on the reverse side and that he or the author on the reverse side and that he or the author on the reverse side and the author of the reverse side and the author of the reverse side and the author of the reverse side and the author of the reverse side and the author of the reverse side and the reverse si	18.06 EA FEE-HAOL, 18.06 TN SW-CONT SOIL 18.06 TN ENVIRONMENTAL FEE 5 ENVIRONMENTAL FEE FUEL RECOVERY FEE	ENVICENT Rd. alks Ferry Rd. alks Ferry Rd. alks Ferry Rd. glon, SC 29073 gcon, SC 29073 GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT GROSS WEIGHT	GIONAL LA IFTON BLVI
The understands that he or she has the authority to sign this document on behalf of SIGNATURE.	CHAIL	DESCRIPTION COUNTY REGION 18.06 18.06 18.06 18.06 18.06 RATE E 24,000 CHATHAM COUNTY REGION	SITE TICKET # 943504 01 02 943504 WEIGHMASTER WAIGHMAS
TENDERED TENDERED CHANGE CHECK®	4 Gleromount 2	EXTENSION TAX TOTAL	CELL CATE/TIME OUT 12-10-2014 CONTAINER INVOICE

.



2204132

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

GENERALOR (Generator	completes i							
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ment Number	· · · · · · · · · · · · · · · · · · ·	c. Page 1 of			
	·		T-14			1		
d. Generator's Name and Location: Rheem Manufacturing Company	,		e. Generalor's Mailing A	ddress:	noc II.C			
139 Brampton Road			4943 Austin Pa	rk Avenue	569, LLL5			
Savannah, GA 31408			Buford, GA 309					
f. Phone:			g. Phone:					
If owner of the generating facility differs from	n the generator,	provide:						
h. Owner's Name:								
. 141	. F D	1 1 144	i. Owner's Phone No.:					
J. Waste Florie #	k. Exp. Date	I. Waste Ship	ping Name and		ntainers	n. Total	o. Unit	
		Description		No.	Туре	Quantity	Wt/Vol	
				1				
31101420787		Non-Regu	lated Soil	ם ו	ump .	1		
			1		'		Tons	
						 	- 	
				1	1			
					1	I		
				1				
				j	1	1	1	
				İ				
GENERATOR'S CERTIFICATION: I hereby state law, has been properly described, class	certify that the	above named mater	rial is not a hazardous was	te as defini	ed by 40 C	FR 261 or any	annlicable	
state law, has been properly described, class waste is a treatment residue of a previously	sified and pack	aged, and is in prop	er condition for transportati	on accordi	ng to appli	cable regulation	s: AND. if this	
waste is a treatment residue of a previously been treated in accordance with the requirem	restricted hazar	dous waste subject	to the Land Disposal Resti	rictions. I co	ertify and v	varrant that the	waste has	
/)	nents of 40 CFI	258 and is no long	jer a hazardous waste as o	lefined by	10 CFR 26	11		
YAULGAZZO	16	Jul Band	AS Agent Forbance	1.00	12/9	luc		
p. Generator Authorized Agent Name (Print)		. Signatuté	TO THE PORT OF THE PERSON OF T	4 3010)		WY		
					r. Date			
II. TRANSPORTER (General a. Transporter Name Name Address:	tor complete	s lia-b and Tran	isporter completes lic	-e)				
1027 Bacon Road		•						
Hinesville, GA 31313	i	01 22						
040 440 0400		BN 32						
b. Phone: 512.412.2402								
X Clarence Littles		^ <i>(</i>)	Little	11.	2 /	leve		
c. Driver Name (Print)		100000	Il lier	<u>K.</u> / c	1/11/	<i>y</i>		
	d. Sign			e. Date				
III. DESTINATION (Generator	complete ill	a-c and Destina	tion Site completes II	ld-g)				
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Indic		ь.			
Savannah Regional Industrial L	Landflii							
84 Cilton Biva		1 (
b. Port Wentworth, GA 31407	912.964.2812		<i>)</i>					
I hereby certify that the above named materia	al has been acc	cantad and to the ba	ot of my ten and a day the fee					
	di filo Docifi acc	chien and to the pe	at of my knowledge the for	egoing is tr	ue and ac	curate.		
1/ Y II Club	1			Ì	15	$\int \int \int dx dx$	101	
e. Name of Authorized Agent (Print)	f. Signa	ture		g. Date	 	 	! 	
IV. ASBESTOS (Generator co			complete tVa il	g. Date				
a. Operator's Name and Address:								
a. operator o marine and Address.			c. Responsible Agency Na	me and Ad	ldress:			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addition	al Information:							
f. Friable Non-Friable Both	A. C.		A/ 14					
OPERATOR'S CERTIFICATION L baseling	% Fr	entente of the	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby de and are classified, packaged, marked and lat	::::::::::::::::::::::::::::::::::::::	ontents of this consi	gnment are fully and accur	ately descr	ibed abov	e by the proper	shipping name	
and are classified, packaged, marked and lat- national governmental regulations.	-c.eo/hiacaided	, and are in an respi	ocis in proper condition for	transport a	ccording t	o applicable inte	emational and	
	T T			r	· · · · · · · · · · · · · · · · · · ·			
	<u> </u>							
g. Operator's Name and Title (Print)	h. Signa	iture	- 1	i. Date			······································	
*Operator refers to the company which owns,	leases, operat	es, controls, or supe	rvises the facility being der	nolished or	renovated	, or the demolit	ion or	
renovation operation or both						,		

TOUNT EUNITOUMEUT SELVICES, TTG.

TOUNT EUNITEUMEUT RG.

TAI Carks SC 23073

Texingron, SC 1741

Lexingron, SC 25073 CUSTOMER 31101420787 PORT WENTWORTH, GA SAVANNAH REGIONAL LANDETLL 18.40 SCALE OUT 20.00 18.40 1.00 EP 40 豆 TEEE-HAUL/TRANS/TRUCK the independent to the form and conditions of the control of the document of the document of the form HE LAW BE TOLLY ENVIRONMENTAL FEE 5 SM-CONT SOIL FUEL RECOVERY FEE TARE WEIGHT 63,120 26,320 CHATHAM COUNTY REGION CHATHAM COUNTY REGION) VIETCHIMASTER 943505 Michelle J. NET WEIGHT NET TONS 12-10-2014 REFERENCE 3:24 pm 36,800 18.40 HIE 12-10-2014 Trommen TOATETTIME OUT EXTENSION INBOUND INVOICE 3:24 DIL 107A Truomat. TENDERED CHANGE CHECKS



2204133

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)							
a. Generator's US EPA ID Number	b. Manifest Docur	ocument Number c. Page 1 of							
N/A									
d. Generator's Name and Location: Riteem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	any		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518						
f. Phone: If owner of the generating facility differs fr	om the generator	provido:	g. Phone:						
	om the generator,	provide.							
h. Owner's Name:	T. = 5.	- L. W	i. Owner's Phone No.:						
j. vvaste Prome #	k. Exp. Date	I. Waste Ship Description	ping Name and	m. Con No.		n. Total	o. Unit		
				NO.	Туре	Quantity	WiVol		
31101420787	1101420787 Non-Re			סנ	mр	Tons			
							1		
						ĺ	l		
GENERATOR'S CERTIFICATION: 1 hour	h., aadib, that tha								
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl	iassilied and back:	aged, and is in oron	At condition for transportation	an accordin	a to casti		A A A A PA SE AL!		
I waste is a meaningin residue of a bleaking	siv restricteo nazai	TOUS WASIA SUDIRCI	to the Land Dienned Poetri	ictione Loo	difia and u	coment that the	waste has		
been treated in accordance with the requi	rements of 40 CFI	268 and is no long	ger a hazardous waste as d	efined by 4	0 CFR 26	1			
YAVL 64220		and Jano	AS Agent For Gener	nton)	12/9/	ley			
p. Generator Authorized Agent Name (Pri		. Signature			r. Date				
II. TRANSPORTER (Gene	rator complete	s Ila-b and Trar	nsporter completes lic-	-e)					
a. Transporter's Name and Address:		Λ							
1027 Bacon Road Hinesville, GA 31313 b. Phone: ~912.412.2402		13	N30						
V Chair	1 V			1/12	1 21.				
c. Driver Name (Print)	a. sign	ature			10114		 		
III. DESTINATION (General			ation Site completes III						
a. Disposal Facility and Site Address:		c. US EPA Num			•				
Savannah Regional Industri	al Landfill				•				
84 CIMON BIVÃ			•						
b. Port Wentworth, GA 31407	912.954.2812								
I hereby certify that the above named mat	erial has been acc	cepted and to the be	est of my knowledge the for	egoing is tn	e and ac	curate.			
111111111111111111111111111111111111111	\sim				2 -1	6.14			
e. Name of Authorized Agent (Print)	f. Signa			g. Date					
IV. ASBESTOS (Generator	completes IVa	-f and Operator	complete IVg-i)						
a. Operator's Name and Address:			c. Responsible Agency Na	me and Add	dress:				
h Dhana			:						
b. Phone: e. Special Handling Instructions and Addit	tional Information:		d. Phone:						
,									
f Frights Non-Frights Cath	ov =	iahta	W New Fried						
OPERATOR'S CERTIFICATION: I hereby	f. Friable Non-Friable Both Friable Mon-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name								
and are classified, packaged, marked and national governmental regulations.	labeled/placarded	l, and are in all resp	pects in proper condition for	transport a	ccording t	o applicable in	temational and		
			· · · · · · · · · · · · · · · · · · ·	[
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date					
*Operator refers to the company which ow	ns, leases, operal	les, controls, or sup-	ervises the facility being der	nolished or	renovated	, or the demol	ition or		
renovation operation or both		·				· · · · · · · · · · · · · · · · · · ·			

		3:24 рп		INVOICE			TOTAL						A FNET AMOUNTS!	TENDERED	CHANGE	CHECK®
		12-10-2014	INER	IN		INBOUND	TAX				 		64	.1	<u>!</u>	ــــــــــــــــــــــــــــــــــــــ
CELL			1				EXTENSION								erms and conditions	
TICKET #		014 3.24 pm			4.6	18.40	RATE							ς.,	l yndyrstands tha te	
SITE TICK	WEIGHMASTER	DATE/TIME IN	VEHICLE BN-30	2204133	BILL OF LADING	NET TONS		ry region	ry region					(or sherhas rend and	stomer.
		7	•			NET NET		CHATHAM COUNTY REGION	CHATHAM COUNTY REGION						owledges that he	on behalf of the cu
7111	JE 1 15 L	2107-106-716	,,			63, 120 26, 320	DESCRIPTION	СНА	СНА						f of Customor ack	iign Ihis document
	TONAL LA] Services, LLC	75.	2	GROSS WEIGHT TARE WEIGHT	Ö	FEE-HAUL/TRANS/TRUCK		mental fee 5 Sovery fee					the continued on bohalf of Customer acknowledges that he or she has rend and pinderstands the terms and conditions	The undersigned individual signing this accument on both. To the customers on the customers on the reverse side and that he or she has the authority to sign this document on behalf of the customers.
	SAVANNA	PORT WENTWORTH, GA	ironmenta	1741 Calks Ferry Rd.	187	SCALE IN SCALE OUT		FEE-HAUI	SW-CONT SOIL	ENVIRONMENTAL FUEL RECOVERY					•	The undersigned individual signing on the reverse side and that he or s
		İ	14 Gny	Calk	J1101420787	SCAL	TIMIL		Ç K		 					ha undar. n tha raw
SITE	<u> </u>	CUSTOMER	100014	1741	3110			18.40	20.00	8. 2 .	 * 1 * 1 * 1	•				1

RS-F042UPR (07/12)

SIGNATURE (_



2204134

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number	or completes I	a-r) b. Manifest Docum	nont Name						
N/A		b. Washlest Docum	itetit Number		c. Page 1 of				
d. Generator's Name and Location: Rheem Manufacturing Compa	ıny		e. Generalor's Mailing Address: A&D Environmental Services, LLC						
139 Brampton Road Savannah, GA 31408	•		4943 Austin Park Avenue						
f. Phone:			Buford, GA 30518 g. Phone:						
If owner of the generating facility differs from	om the generator,	provide:	g. r none.						
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and		tainers	n. Total	o. Unit		
		Description		No.	Туре	Quantity	Wt/Vol		
31101420787		Non Board	leted Oct						
		Non-Regul		1 Di	шb		Tons		
				·		 	1000		
									
GENERATOR'S CERTIFICATION: 1 horse	hu codifu that the		• • • • • • • • • • • • • • • • • • • •						
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, cla waste is a treatment residue of a previous	assified and packa	above named mater aged, and is in prope	Tal is not a hazardous w Or condition for transport	aste as define	d by 40 C	FR 261 or any	applicable		
waste is a treatment residue of a previous been treated in accordance with the requir	ly restricted hazar	dous waste subject	to the Land Disposal Re	strictions. I ce	rtify and v	varrant that the	waste has		
0.16	ements of 40 CFF	y zoo and as no long	i a nazardous waste as	s defined by 4	0 CFR 26	1.			
PAUL (9 AZZ O p. Generator Authorized Agent Name (Prin	1/2	wy Jon	12 (A) Agustro-6	CLERABIL	12/91	liy			
		Signature //			r. Date				
II. TRANSPORTER (General a. Transporter Nacental Address:	ator complete	s lia-b and Iran	sporter completes I	lic-e)					
1027 Bacon Road	0								
Hinesville, GA 31313 912.412.2402	15	N 28							
b. Phone:									
12 Jan	X C	1.00	. //	121	10/14				
c. Driver Name (Print)	d. Signa			e. Date	10//-/	······································			
III. DESTINATION (Generate	or complete Illa	a-c and Destina	tion Site completes	IIId-q)		····			
a. Disposal Facility and Site Address:		c. US EBA Numi	ber d. Discrepancy Inc		:				
Savannah Regional Industria 84 Clifton Bivd	i Landilli		Ì						
b. Port Wentworth, GA 31407	912.964.2812								
I hereby certify that the above named/mate	erial has been acc	epted and to the be	st of my knowledge the t	foregoing is to	o and no				
1, (1)		11	The state of the s	1)		curate.			
e. Name of Authorized Agent (Print)	f. Signat	ure	(,)	g. Date	- 10				
IV. ASBESTOS (Generator o	completes IVa-	f and Operator of	complete IVn-i)	y. Date		 -			
a. Operator's Name and Address:			c. Responsible Agency i	Name and Add	lress.				
			,	with right	555.				
b. Phone: e. Special Handling Instructions and Addition	and Information		d. Phone:	····					
p remaining manufactions and Addition	onai iniormation:			_					
f. ☐ Friable ☐ Non-Friable ☐ Both	A, = .	al.	O						
OPERATOR'S CERTIFICATION: I hereby	% Fri declare that the co	entents of this consi	% Non-Friable	rurately deced	ned che	> bu tho	ablasis = ===		
and are classified, packaged, marked and national governmental regulations.	abeled/placarded	, and are in all respe	ects in proper condition f	for transport ac	cording to	s by une proper o applicable int	snipping name emational and		
national governmental regulations.		·							
g. Operator's Name and Title (Print) *Operator refers to the company which own	h. Signa	ture	nion the factor to	i. Date					
*Operator refers to the company which owr renovation operation or both	o, icases, uperati	sa, controls, or supe	ivises the facility being d	remolished or	renovated	l, or the demoli	tion or		

RS-F042UPR (07/12)

SIGNATURE__



2204135

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	or completes la-	-r)								
a. Generator's US EPA ID Number		b. Manifest Docui	ment Number	c. Page	9 1 of					
N/A					U. Fayi	3 1 01				
d. Generator's Name and Location: Rheem Manufacturing Comp 139 Brampton Road Savannah, GA 31408	any		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue							
f. Phone:			Buford, GA 30518 g. Phone:							
If owner of the generating facility differs f	rom the generator, p	rovide:								
h. Owner's Name:			i. Owner's Phone No.:							
j. Waste Profile #	k. Exp. Date	I. Waste Ship	Waste Shipping Name and			m. Containers n. Total				
	 	Description		No.	Туре	Quantity	o. Unit WI/Vol			
31101420787		Non-Regu		ם	mp		Tang			
				·	†	 	Tons			
							İ			
					 	+				
	<u></u>					1	İ			
GENERATOR'S CERTIFICATION: I here state law, has been properly described.	by certify that the at	ove named mate	rial is not a hazardous wa	aste as define	ed by 40 C	FR 261 or any	applicable			
waste is a treatment residue of a previous	sly restricted hazard	eu, anu is in prop	e condition for transports	ation accordi	ng to appli	cable regulatior				
been treated in accordance with the requi	rements of 40 CFR	268 and Is no long	ger a hazardous waste as	defined by	10 CFR 26	ianam ulat me ian	waste nas			
LYAUL GAZZO	\mathcal{V}_{a}	w Sans	of AS Agent Forben	eastoe)	12/9	tu				
p. Generator Authorized Agent Name (Pri		Signature	<u> </u>	<u> </u>	r. Date	• • • • • • • • • • • • • • • • • • • •				
II. TRANSPORTER (Gene	rator completes	lla-b and Tran	sporter completes I	lc-e)	1					
a. Transporter's Name and Address:										
1027 Bacon Road		0	_1							
Hinesville, GA 31313 b. Phone: 912.412.2402		βv ⁷) [
b. Phone: 512.412.2402		7 1 - 1 - 9 -								
X/JA (JRIFT)/	x /1	N/ rus	ML.	X 12	10/4					
c. Driver Name (Print) III. DESTINATION (General	d. Signati		/)•	e. Date						
(30)000	or complete illa-									
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Ind	lication Spac	e:					
Savannah Regional Industria 84 Cilifon Biva	ai Landfill									
b. Port Wentworth, GA 31407	912,954,2812									
I hereby certify that the above named mat		oted and to the he	est of my knowledge the f	ososoino in t						
		1 .	iot of my knowledge the n	oregoing is u	ue ano ac	curate.				
e. Name of Authorized Agent (Print)	f. Signatur	<u> </u>			_17	<u> </u>	14			
IV. ASBESTOS (Generator	completes IVa-f	and Operator	complete IVe i)	g. Date						
a. Operator's Name and Address:		~		1	lata:					
and the state of t		ł	c. Responsible Agency N	vame and Ad	idress:					
		-								
b. Phone:			d. Phone:							
e. Special Handling Instructions and Addit	ional Information:									
f. ☐ Friable ☐ Non-Friable ☐ Both	% Friat	ole	% Non-Friable							
OPERATOR'S CERTIFICATION: I hereby	declare that the con	tents of this cons	coment am fully and see	urately desci	ibed abov	e by the proper	shipping name			
and are classified, packaged, marked and national governmental regulations.	iabeled/placarded, a	and are in all resp	ects in proper condition for	or transport a	eccording t	o applicable int	emational and			
				Т			··· ······			
a Operator's Name and Title (Diat)										
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signatu	re controls or supe	ervises the facility being d	i. Date	renovoto	d or the descrip	tion or			
renovation operation or both				CINCIDITION OF	:ciiovate(u, or the Centoli	NOTE OF			

The undersigned indivated RS FO12UPR (07/12)	
SAVANIER PORT WENTWOR. OLA ENVIRONMENTAL CALE IN CALE IN CALE OUT SHOOMENTAL FUEL RECOVERY FUEL RECOVERY F Unat be or sho has the nuthority to	
NAH REGIONAL LANDEILL Services, LLC Services, LLC SOSS WEIGHT ACCHATHAM COUNTY REGION FEE S CHATHAM COUNTY REGION FEE S CHATHAM COUNTY REGION SHAM of Customer achamhodges man no a she nos seend and understand of the customer. SIGNATURE SIGNAT	
NET WEGION NET WEGING NET WEGION NET WE	
INBOUND TENDEREE CHANGE CHECKS CHECKS	
3:40 0	



2204136

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

	ď	1	
4	e	5	
•	,		

I. GENERATOR (Generate	or completes la-r)						
a. Generator's US EPA ID Number N/A	b	. Manifest Docur	ment Number	c. Page 1 of				
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannan, GA 31408 f. Phone:	_		e. Generator's Mailino Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:					
If owner of the generating facility differs fr	om the generator, pro	ovide:				···		
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and	m. Con	o. Unit			
		Description		No.	Туре	Quantity	Wt/Vol	
31101420787		Non-Regu	lated Soll	Dımp		т	016	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	lassified and package sly restricted hazardor	ed, and is in prop us waste subiect	er condition for transportation to the Land Disposal Restri	n accordin	g to applic	cable regulations	AND HALL	
PAUL GAZZO	Par	I Hay	CAS Agent For Gene	extor	12/9/	iv.		
p. Generator Authorized Agent Name (Pri		gnatare //	r. Date					
II. TRANSPORTER (Gene	rator completes I	la-b and Trar	nsporter completes lic-	e)				
a. Transporterin Namening Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402 b. Phone:		BN	707-					
X Kruin Sings	d. Signatur		V	XIZ//O	114			
III. DESTINÁTION (General			ation Site completes III					
a. Disposal Facility and Site Address: Savannah Regional Industri 84 Clifton Bivd Port Wentworth, GA 31407 b.	a) Landfill	c. US EPA Num) :			
I hereby certify that the above named may	terial has been accep	ted and to the be	est of my knowledge the fore	egoing is tr	ue and ac	curate.		
\		M		7.	2.1	19-141		
e. Name of Authorized Agent (Print)	f. Signature			g. Date		-		
IV. ASBESTÓS (Generator a. Operator's Name and Address:	completes IVa-f	and Operator	cerhplete IVg-i) c. Responsible Agency Na	me and Ad	dress:			
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addi	tional Information:	·····						
f. Friable Non-Friable Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shippin and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable internation national governmental regulations.					shipping name, mational and			
g. Operator's Name and Title (Print) *Operator refers to the company which over renovation operation or both	h. Signatu vns, leases, operates,		ervises the facility being der	i. Date nolished or	renovate	d, or the demoliti	on or	

3:43 p	TENDERED CHANGE CHECK®
43 DIL CELL CONTAINE OUT CONTAINER OUT CONTA	sudillons and conditions and conditions on or one so one so one
SITE TICKET " 01 10 943509 01 10 943509 Michaelle J. 3:43 12-10-2014 3:43 12-10-2014 3:43 12-10-2014 3:43 12-10-2014 3:43 NET TONS 43,580 NET TONS 43,580 NET WEIGHT RATE CHATHAM COUNTY REGION CHATHAM COUNTY REGION	or sho has read and w
11.1. 2-964-2.8 27.,4 27.,4 20.90	
VANNAH REGIONAL LA NANNAH REGIONAL LA RAORTH, GA erry Rd. C 29073 C 29073 C 29073 FEE-HAUL/TRANS/TRI FEE-HAUL/TRANS/TRI FUEL RECOVERY FEI	
CUSTOMER CUSTOMER 100014 100014 A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN A & D ENVICORMEN 21.79 EA 20.00 YD SW- 21.79 EA 20.00 YD SW- 21.79 EA 1.00 FUH FUH FUH FUH FUH FUH FUH FUH	

The undersigned individual signing this document on behalf of Customer acknowledges that he or she feet the undersigned individual signing this document on behalf of the customer.

Signature Side and that he or she has the sutherfly to sign this document on behalf or side and that he or she has the sutherfly to side and that he or she has the sutherfly to side and that he or she has the sutherfly to side and that he or she has the sutherfly to side and that he or she has the supplies the side and that he or she has the supplies the side and that he or she has the supplies the side and the supplies the side and the supplies the supplie

RS-F042UPR (07:12)



2204137

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\underline{\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	ator completes	la-r)							
a. Generator's US EPA ID Number	1				c. Page 1 of				
N/A d. Generator's Name and Location: Rheem Manufacturing Com	ibauà		e. Generator's Mailing A&D Environ	Address: Imental Service	es. LLC	1			
139 Brampton Road Savannah, GA 31408			4943 Austin Park Avenue						
f. Phone:			g. Phone:	30518					
If owner of the generating facility differs	from the generator	, provide:							
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pping Name and		Containers n. Total o. U				
		Description		No.	Туре	Quantity	Wt/Vol		
31101420787		Non-Regu	lated Soli	1 0	mp		Tons		
				'	 	 	1 0(18		
		j					İ		
									
		į			1		1		
OCNEDATORIO OFFICIALITICA									
GENERATOR'S CERTIFICATION: I he state law, has been properly described, waste is a treatment residue of a proving	COASSIDED AND DACK	יחות תו פו החוב הפתבי	lor condition for transact		A P				
i mearcia e neginicili residue di a dievid	usiv resincien naza	ronis waste clinier	I IN ING LONG Dienced De	antice la			ns; AND, if this waste has		
O	ulrements of 40 CF	R 268 and is no lon	ger a nazardous waste a	s defined by 4	0 ĆFR 26	31.			
PAUL GAZZO	f	wi for	AS Agent For Gene	crator)	12/9	fup			
p. Generator Authorized Agent Name (F		. Signature			r. Date	·			
II. TRANSPORTER (Gen	erator complete	es Ila-b'and Trai	nsporter completes	llc-e)					
a. Transporter's Name and Address: 1027 Bacon Road Hinesville, GA 31313		1530	8						
b. Phone: 912.412.2402		1)/							
c. Driver Name (Print)	Sign	nature S	Rowlin)	e. Date	/V/VI				
III. DESTINATION (General			ation Site completes	illd-a)					
a. Disposal Facility and Site Address:		c. US EPA Nun							
Savannah Regional Indust 84 Cillion Bivd Port Wentworth, GA 31407				•					
I hereby certify that the above named m	aterial has been ac	cepted and to the bi	est of my knowledge the	foregoing is tr	ue and ac	curate			
	3		4			-10 1L			
e. Name of Authorized Agent (Print)	f. Signa	ature	****	g. Date	1 4	(0, 1-	(
IV. ASBESTOS (Generato			complete IVa-i)	I G. Date					
a. Operator's Name and Address:			c. Responsible Agency	Name and Ad	dress:				
		ļ							
b. Phone:			d Dhana						
e. Special Handling Instructions and Add	ditional Information:		d. Phone:						
I. ☐ Friable ☐ Non-Friable ☐ Bot	th %F	riable	% Non-Friable			····			
OPERATOR'S CERTIFICATION: 1 herel	by declare that the	contents of this cons	signment are fully and ac	curately descr	ibed abov	e by the prope	r shipping name		
and are classified, packaged, marked an national governmental regulations.	nd labeled/placarde	d, and are in all resp	pects in proper condition	for transport a	ccording	to applicable in	ternational and		
									
a Operator's Name and Title (Orien)									
g. Operator's Name and Title (Print) *Operator refers to the company which of	h. Sign	ature tes, controls, or sun	ervises the facility being	i. Date	renovata	d or the demail	ition or		
renovation operation or both		, william, or aup	are receity being	asmonanteu Ol	16110A916	u, or the demoi	MON OF		

STRE TICKET P 01 943513	12-10-2014 4:01 pm	100016	PURCHASE ORDER 4330133313	GROSS WEIGHT 39,860 NET TONS 2.92 INBOUND TARE WEIGHT 34,020 NET WEIGHT 5,840			TRACKING QTY SW-FILTER CAKE SM-FILTER CAKE		THINGOWY THE WORLD	TENDERED	CHANGE	The undersigned individual signing this document on behalf of Customer acknowledges that he or site has read and undersigned individual signing this document on behalf of the customer.
SITE SAVANN	PORT WENTWORTH CUSTOMER 100033	EMD CHEMICALS, INC. P.O. BOX 1206	PURCHASE ORDER 3110122443-1	SCALE IN	IANE COI	OTY. UNIT	.00 YD .92 Tr					The undersigned individua

RS-F0:12UPR (07/12)



2204138

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes to	a-r)					
a. Generator's US EPA ID Number N/A	b. Manifest Document Number				. Page 1 of	1	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	I	e. Generator's Mailing Address AZD Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
f. Phone:			g. Phone:	10			
If owner of the generating facility differs for	om the generator.	orovide:	g. Frione.				
	generally	p.oo.					
h. Owner's Name: i. Waste Profile #	Lt. Con Data	1 1 141-1- 01:	i. Owner's Phone No.:	· · · · · · · · · · · · · · · · · · ·			
j. vvaste Fiolite #	k. Exp. Date	Description	ping Name and	m. Contair		o. Unit	
		2 courpiion		140.	Type Quantity	Wt/Vol	
31101420787		Non-Regu		Dump			
			1			Tohs	
	İ						
					j		
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous wast	e as defined b	v 40 CFR 261 or an	v applicable	
i state iaw, iias deeli bidbeliy desciibed, ci	iassiijeo and backi	תחות תו פו חחוב הפתוב	OF CORDITION FOR PROPERCHALIC	on namedine to			
waste is a treatment residue of a previous been treated in accordance with the requi						e waste has	
1// \ ~		1 . 10		,	FR 261.		
PAUL GAZZO		/wi son	DLAS Agent For Gen	centon) 12	41914		
p. Generator Authorized Agent Name (Pri		. Signature/		r.	Date	·	
II. TRANSPORTER (Gene	rator complete	<u>s lla-b and Trar</u>	nsporter completes lic-	e)			
a. Iransponente Name and Address:							
1027 Bacon Road	1	7 . 7 . 7					
Hinesville, GA 31313	()	SN 22					
b. Phone:	· ·		0.00				
RONALRON Little	es 185	Maden a	XULES	C 12.	10/14		
6. Driver Name (Print)	d. Signa			e. Date			
III. DESTINATION (General	tor complete III	a-c and Destina	tion Site completes III	d-g)			
a. Disposal Facility and Site Address:		c. US EPA Num					
Savannah Regional Industri	al Landfill			•			
84 Ciliton Bivd Port Wentworth, GA 31407	912.964.2812	1 /	<i>f</i>				
_b. \ / ·							
I hereby certify that the above named mat	erial has been acc	cepted and to the be	est of my knowledge the fore	going is true a	and accurate.		
				, ^	1.2.1		
e. Name of Authorized-Agent (Print)	f. Signa	ture		- D-1-	2/10/15	/ 	
IV. ASBESTOS (Generator	completes IVa	f and Operator	Complete IVe iV	g. Date			
a. Operator's Name and Address:		- and Operator		· · · · · · · · · · · · · · · · · · ·			
Special o Hame and Addiess.			c. Responsible Agency Nar	me and Addres	ss:		
h Dhana.							
b. Phone: e. Special Handling Instructions and Addit	ional Information		d. Phone:				
	ional imormation:					:	
f. Friable Non-Friable Both	% Fr	iable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and	declare that the c	contents of this cons	ignment are fully and accura	ately described	above by the prop	er shipping name	
and are classified, packaged, marked and national governmental regulations.	renerenthracer 060	i, and are in all resp	recus in proper condition for	transport acco	rding to applicable i	nternational and	
							
a Constate Name and Title 18							
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signa	ature	and the Court of t	i. Date			
*Operator refers to the company which ow renovation operation or both	,	es, controls, or supe	sivises the facility being den	notished or ren	ovated, or the demo	olition or	

SITE SAVANNAH REGIONAL MAY CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON BLVO B4 CLIFTON B	TOTAL 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	

RS-F012UPR (07:12)



2204139

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generation	ator completes la-	·r)						
a. Generator's US EPA ID Number	5: Manifest 86				c. Page	2 1 of		
N/A 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 Averue					
f. Phone:			g. Phone:	30518				
If owner of the generating facility differs	from the generator, p	rovide:	3			**		
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pping Name and		ntainers	n. Total	o. Unit	
		Description		No.	Туре	Quantity	₩t∕vol	
31101420787		Non-Regu	ilated Soll	D	тр		Tone	
						l		
GENERATOR'S CERTIFICATION: I he state law, has been properly described, waste is a treatment residue of a previo been treated in accordance with the rec	ciassilied and packag	led, and is in prop	er condition for transpor	rtation according	g to appli	cable regulation		
PAUL GAZZO		land In	10 HS Agent For	benerin	12/5	lry		
p. Generator Authorized Agent Name (F		Signature ///			r. Date			
II. TRANSPORTER (Ger	nerator completes	lla-b and Trai	nsporter completes	llc-e)				
a. Transporter's Name and Address: BAN Trucking 1027 Bacon Road Hinewille, GA 31313 b. Phone: 912.412.2402	81	U32	.					
to Cituaco Liffles c. Driver Name (Print)	d. Signati	Lions 0	ittes	ر الحرا e. Date	110/14			
III. DESTINATION (Gener			ation Site completes					
a. Disposal Facility and Site Address:		c. US EPA Nun			e:			
Savannah Regional Indus 84 Cilhor Bivd b. Port Wentworth, GA 31407	7 912.964.2812	(
I hereby certify that the above named m	iaterial has been acce	pled and to the be	est of my knowledge the	foregoing is tr	ue and ac	curate.		
e. Name of Authorized Agent (Print)	4.8	<u>U</u>		1	ζ	10-14		
IV. ASBESTOS (Generato	f. Signatu		complete IV- iV	g. Date				
a. Operator's Name and Address:	completes iva-i	and Operator	c. Responsible Agency	Name and Ad	dress:			
b. Phone;			d. Phone:					
e. Special Handling Instructions and Ad	ditional Information:	I	G. I ROLE.				- · · · · · · · · · · · · · · · · · · ·	
f. ☐ Friable ☐ Non-Friable ☐ Bo			~					
f. ☐ Friable ☐ Non-Friable ☐ Bo OPERATOR'S CERTIFICATION: I here and are classified, packaged, marked an national governmental regulations.	by declare that the cor	ntents of this cons	% Non-Friable signment are fully and accepts in proper condition	ccurately desci	ibed abov according	re by the proper to applicable int	r shipping nam ternational and	
g. Operator's Name and Title (Print)	h. Signatu	ıre		i. Date				
*Operator refers to the company which or renovation operation or both	owns, leases, operates	s, controls, or sup	ervises the facility being	demolished or	renovate	d, or the demoli	ition or	

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and that he or she has the authority to sign this document on behalf of the customer on behalf of the customer (17712) RS-F042UPR (17712) SIGNATURE	SITE SAVANNAH REGIONAL LANDFILL STE TICKET TICK	
TENDERED CHANGE CHECKS	DATESTIME OUT 12-10-2014 4:10 DIT CONTAINER INBOUND TAX TOTAL	



2204140

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\underline{\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Gener	rator completes la-r)						
a. Generator's US EPA ID Number N/A	i	. Manifest Docu	ment Number		c. Page	e 1 of		
d. Generator's Name and Location: Rineem Maintracturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Address: A&D Emilionmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:					
If owner of the generating facility differ	s from the generator, pro	ovide:						
h. Owner's Name:			i. Owner's Phone No	.:				
j. Waste Profile #	k. Exp. Date	Waste Ship Description	pping Name and		ntainers	n. Total	o. Unit	
		Description		No.	Туре	Quantity	WtVol	
31101420787		Non-Regu	liated Soil	1 D	тр		Tons	
GENERATOR'S CERTIFICATION: I h state law, has been properly described waste is a treatment residue of a previous treated in accordance with the re-	ously restricted hazardou	u, anu is in prop is wasta subject	to the Lond Disease C	ribition according	ig to appli	cable regulation	applicable ns; AND, if this waste has	
YAUL GAZZO	1 //		olasagust Fore					
p. Generator Authorized Agent Name (gnature	Observation (Sence 41049	r. Date			
II. TRANSPORTER (Ger a. Transporter Nacement Address:	nerator completes II	a-b and Tran	sporter completes	: Ilc-e)	i. Date			
1027 Bacon Road Hinesville, GA 31313 b. Phone: C. Driver Name (Print)	uck	BN	30	× 12	15/14			
	d. Signature		N=- 0"	e. Date				
III. DESTINATION (General a. Disposal Facility and Site Address:		c. US EPA Num						
Savarinah Regional Indus 84 Cliffon Bird Port Wentworth, GA 3140 b. I hereby certify that the above named n	7 912.964.2812	(
1 () () ()	naterial rias been accepte	eu and to the be	St of my knowledge the	e foregoing is to	ue and ac	curate.		
e. Name of Authorized Agent (Print)	f. Signature				> -	10.10-1		
IV. ASBESTOS (Generato	or completes IVa-f a	nd Operator	Complete TVa i)	g. Date				
a. Operator's Name and Address:	completes iva i a		c. Responsible Agency	y Name and Ad	dress:			
b. Phone:e. Special Handling Instructions and Ad	ditional Information:		d. Phone:					
	amonai miorniauon;							
f. 🗆 Friable 🗀 Non-Friable 🗀 Bo	th % Friable		% Non-Friable					
OPERATOR'S CERTIFICATION: I here and are classified, packaged, marked a national governmental regulations.	by declare that the conte nd labeled/placarded, an	ents of this cons nd are in all resp	innment are fully and a	ccurately descr for transport a	ibed above ccording t	e by the proper o applicable int	shipping nam emational and	
		···						
g. Operator's Name and Title (Print) *Operator refers to the company which	h. Signature	controls as asset	onigon the facility by	i. Date				
*Operator refers to the company which renovation operation or both	omia, idases, uperaies, (willions, or supe	a vises use racility being	j demolished or	renovated	a, or the demoli	uon or	

SANANNAI RECTOM. LANDFILL 190014	
The undersigner handwales against the Scholar of th	



2204141

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Ge	enerator completes la-	r)							
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number						
N/A	ŧ.				c. Page				
d. Generator's Name and Location Rheem Manufacturing 139 Brampton Road Savannah, GA 31408	o: Company		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518						
f. Phone: If owner of the generating facility of	All Constitution of the second		g. Phone:	D10					
l e	mers from the generator, pr	rovide:							
h. Owner's Name: j. Waste Profile #			i. Owner's Phone No.:						
J. vvaste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Co	ntainers	n. Total	o. Unit		
	*	Description		No.	Туре	Quantity	Wt/Vol		
31101420787	·	Non-Regu	lated Soil	ום	mp				
		 	1		<u> </u>		Tons		
		[1					
					ł				
			·						
GENERATOR'S CERTIFICATION: state law, has been properly described.	I hereby certify that the abo	Ove named mater	ial is not a harran						
state law, has been properly descri waste is a treatment residue of a p	ibed, classified and package	ed, and is in prope	etropolition for transported	ste as define	d by 40 C	FR 261 or any	applicable		
waste is a treatment residue of a p been treated in accordance with the	reviously restricted hazardon	us waste subject	to the Land Disposal Resi	trictions. I ce	g to applic rtify and w	able regulation	s; AND, if this		
	e requirements of 40 CFR 2	68 and is no long	er a hazardous waste as	defined by 4	0 CFR 26	1.	M9216 1192		
PAUL GAZZO	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Ilma A	SAGENT FOR GENCA	Rate	37.10	lice			
p. Generator Authorized Agent Nar	ne (Print) 🖟 q. Si	onadkrel			r. Date	• • •			
II. TRANSPORTER (Generator completes I	lab and Tran	sporter completes lin	<u></u>	1. Date				
a. Transporter's Name and Address Bail Trucking	s:	-	-portor completes in	<i>y-</i> e)					
1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	BN	128							
07									
c. Driver Name (Print)	ر کیل d. Signatur	. C. Hall	l	e. Date	2/0)	Y			
III. DESTINATION (Ge	nerator complete illa-c	and Destinat	ion Site completes !	lid a)					
a. Disposal Facility and Site Addres	s:	c. US EPA Numb	per d. Discrepancy Indic	nu-g)		·			
Savannah Regional In 84 Clifton Blvd	i		d. Discrepancy make	auon Space					
b. Port Wentworth, GA 3	1407 912,964,2812		,						
I hereby-certify that the above name	d material hás been accept	ed and to the bea	il of my knowledge the fe-	rocoine i- t-	0.00-				
JOIN LY V	18'		THE WINDWICKER HIS TOL	edoing is (M	e and acc	urate.			
e. Name of Authorized Agent (Print)	% Signature	- V			2-1	6.14			
	1.2 - 3.1-10.0		***	g. Date					
a. Operator's Name and Address:	ator completes IVa-f a								
- Operator a mante and Address:		•	. Responsible Agency Na	me and Add	ress:				
b. Phone:		Í							
e. Special Handling Instructions and	Additional Informati		I. Phone:						
renoming manufactors and	Additional information:								
f. Friable Non-Friable	Both % Friable	9 9	% Non-Friable				···		
OPERATOR'S CERTIFICATION: I hand are classified, packaged, marke	ereby declare that the conte	-46411		rately describ	ed above	by the proper s	hippina nama		
and are classified, packaged, marke national governmental regulations.	a ana ianelembiscalded, au	o are in all respe	cts in proper condition for	transport ac	cording to	applicable inte	mational and		
		······································							
a Coemics Name and Title 47									
g. Operator's Name and Title (Print) *Operator refers to the company while	h. Signature			i. Date					
*Operator refers to the company white renovation operation or both	on owns, leases, operates, (controls, or super	vises the facility being der	nolished or r	enovated,	or the demolitic	on or		

--



2204142

If waste is asbestos waste, complete Sections I, II, IiI and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

-	
₩	
••	

a. Generator's US EPA ID Number		r)							
N/A		b. Manifest Docu	ment Number		c. Page	∋ 1 of			
d. Generator's Name and Location: Rheem Manufacturing Com 139 Brampton Road Savannah, GA 31408 f. Phone:	прапу		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518						
If owner of the generating facility differs	from the generator, pr	rovide:	g. Phone:						
h. Owner's Name:									
j. Waste Profile #	k. Exp. Date	I. Waste Shir	i. Owner's Phone No.: oping Name and	T = 0-	-1-1-	T			
		Description		No.	ntainers Type	n. Total Quantity	o. Unit		
31101420787		Non-Regu		D	mp	- Goantry	***************************************		
			1		ļ		rops		
				-			 		
OFNICO AT A TOTAL OF A		1		1					
GENERATOR'S CERTIFICATION: I her state law, has been properly described, waste is a treatment residue of a previous peen treated in accordance with the required of the property of the proper			to the Land Disposal Restri ger a hazardous waste as de	ctions. I ce efined by 4	n in anniz	oblo roculations	pplicable s; AND, if t vaste has		
D. Generator Authorized Agent Name (Pr	100	= 1	(AS Agent For bened	Atox \	12/9	مويد			
I. TRANSPORTER (General Address:	rint) /q. Si	gnature/			r. Date				
1027 Bacon Road Hinesville, GA 31313 912.412.2402	X 1	6N31	TO ST.	МІ					
Driver Name (Print)	d. Signatur			e. Date	117		·		
DESTINATION (General	ator complete Ilia-c	and Destinal	tion Site completes Illo	e. Date					
. Disposal Facility and Site Address:	I	c. US EPA Numb	per d. Discrepancy Indica	ion Space					
Carannah Dasiaset tadiise	ial Landfill			opuoo	•				
Savannah Regional Industri	`								
Port Wertworth, GA 31407	912.954.2812								
Port Wertworth, GA 31407	!	ed and to the bes	at of my knowledge the foreg	going is tru	e and acc	urate.			
Port Wentworth, GA 31407 nereby certify that the above named ma	!	ed and to the bes	at of my knowledge the fores	going is tru	_				
Port Wertworth, GA 31407 Pereby certify that the above named ma Name of Authorized Agent (Print)	aterial has been accept	u			_	urate.			
Port Wertworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator	aterial has been accept	u		going is tru	_				
Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator	aterial has been accept	nd Operator o		g. Date	<u> </u>				
Port Wertworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) V. ASBESTOS (Generator Operator's Name and Address:	f. Signature	nd Operator o	complete IVg-i) c. Responsible Agency Nam	g. Date	<u> </u>				
Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator Operator's Name and Address:	f. Signature	nd Operator o	complete IVg-i)	g. Date	<u> </u>				
Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addit Friable Non-Friable Roth	f. Signature completes IVa-f a	nd Operator o	complete IVg-i) c. Responsible Agency Nam d. Phone:	g. Date	· ·	18 14			
Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addit Friable Non-Friable Both PERATOR'S CERTIFICATION: L hereby	f. Signature completes IVa-f a	nd Operator o	complete IVg-i) c. Responsible Agency Nam d. Phone:	g. Date	?	18 14	nipping nai		
Pont Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addit	f. Signature completes IVa-f a	nd Operator of	complete IVg-i) c. Responsible Agency Nam d. Phone:	g. Date	?	18 14	nipping nar national an		

SIGNATURE	the manufactured mayorithand submitted in	СНАТНАМ СО СНАТНАМ СО	FEE-HAUL/TRANS/TRICE DESCRIPTION RET WE	**************************************
the makes the terms and conditions than a track to the terms and conditions that the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions to the terms are conditions.		SION RATE EXTENSION TAX. SQUARESTON	RENCE L 4.3 F LACIN	Here is the second seco



2204143

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

		ieies ia-i	r)					
I. GENERATOR (Gen a. Generator's US EPA ID Number			o. Manifest Docu	ment Number				
N/A				cut 14611DGI		c. Page	e 1 of	-
d. Generator's Name and Location: Rheem Manufacturing C	OMOJEV			e. Generator's Mailin	a Address			
139 Brampton Road	onquany				Omental Sewi	ces, LLC		
Savannah, GA 31408				4943 Austh	n Park Avenue	-		
f. Phone:				g. Phone:	30518			
If owner of the generating facility diff	ers from the ge	nerator, pr	ovide:	g. i none.				
h. Owner's Name:								
j. Waste Profile #	k. Exp. [late	I I Mosto Chi	i. Owner's Phone No pping Name and				
		- 016	Description	pling wame and		ntainers	n. Total	o. Unit
					No.	Туре	Quantity	Wt/Vol
31101420787				1-A. 1 m	1			I
			Non-Regu	lated Soil	0	4 тр		- 1
		····			1			Tons
	}				1	ľ		
	1		ł		ļ	ļ	 	
								1
			ı				l	
GENERATOR'S CERTIFICATION I	<u> </u>				Ì	}		
GENERATOR'S CERTIFICATION: I state law, has been properly describe waste is a treatment residue of a previous control of the c	nereby certify ti ed. classified an	nai ine abo	ove named male	rial is not a hazardous	waste as define	d by 40 C	FR 261 or any	applicable
Wasia is a treatment recidue of a new			-, ю п. р.ор	er condition for transpo	riation accordir	io to annlic	able regulation	s; AND, if this
been treated in accordance with the r	equirements of	40 CFR,2	68 and is no long	er a hazardous waste	esinctions, I ce as defined by 4	inity and w	/arrant that the	waste has
PAUL GAZZO		1/	1/4	Trena to	2 4 >			·
p. Generator Authorized Agent Name	(Print)		gnature 7	lasagent For Go	nc fortor)	12/9	114	
II. TRANSPORTER (G	operator con	M. 31	gnature			r. Date		
TIGHTON ONLEN (G	enerator con	ipietes i	ia-b and I rar	sporter completes	llc-e)		_	
a. Transporter's Name and Address:		_						
1027 Bacon Road Hinesville, GA 31313		- 62 A	1702					
b. Phone: 912.412.2402		יי כן	V POL					
1/ -	·	-/-						
Kain 15/20-	5 ×	: K-	15,,,		2 12	In hy		
c. Driver Name (Print)		i. Signatur		``		1 /19		
III. DESTINATION (General Property Secretary)	erator, compl	ete/Illa-c	and Destina	tion Site complete	c IIId a)			
a. Disposal Facility and Site Address:		1	c. US EPA Num	per d. Discrepancy Ir	s iliu-g)			
Savannah Regional Indi	istral Landill	\	o. oo e. A Maii	oci u. Discrepancy ir	raication Space	: :		
84 CIMON BIVO	/			1/				
b. Port Wehtworth, GA 314	07 / 912.964.	.2812		1/				
I hereby certify that the above named	material has be	en accept	ed and to the he	et of my knowledge the	formania i i			
11			1.	/ Knowledge tite	loregoing is th	e and acc		
e. Name of Authorized Agent (Print)		($\Lambda \longrightarrow$			12/	10/14	
		Signature		>	g. Date		1	
111111111111111111111111111111111111111	or complete:	s IVa-f a	nd Operator	complete IVg-i)				
a. Operator's Name and Address:				c. Responsible Agency	Name and Add	iress:		
				•				
			1					
b. Phone:				d. Phone:				
- D1-114 ····	dditional Inform	ation:				·		
e. Special Handling Instructions and A								
e. Special Handling Instructions and A								
. ☐ Friable ☐ Non-Friable ☐ R	oth	% Fright		W Non Crist			·····	
. Friable Non-Friable B	oth	% Friable	-A6 Ab:	% Non-Friable	Quentoh das "			
. Friable Non-Friable B DPERATOR'S CERTIFICATION: I her and are classified, packaged, marked	oth	t the seate	-A6 Ab:		curately descri	bed above	by the proper s	hipping name
. ☐ Friable ☐ Non-Friable ☐ R	oth	t the seate	-A6 Ab:		curately descril	bed above ecording to	by the proper s applicable inte	hipping name
. Friable Non-Friable B DPERATOR'S CERTIFICATION: I her and are classified, packaged, marked	oth	t the seate	-A6 Ab:		curately descrit	bed above	by the proper s applicable inte	hipping name mational and
DPERATOR'S CERTIFICATION: I her and are classified, packaged, marked national governmental regulations.	oth eby declare tha and labeled/place	t the conte	ents of this considures of are in all response	inment are fully and ac cts in proper condition	ioi transport ac	cording to	applicable inte	mational and
. Friable Non-Friable B DPERATOR'S CERTIFICATION: I her and are classified, packaged, marked	oth eby declare tha and labeled/place	t the conte	ents of this considures of are in all response	inment are fully and ac cts in proper condition	ioi transport ac	cording to	applicable inte	mational and

SITE CUSTOMER A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787 100014 17.41 17.41 1.00 1.00 0.00 The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer, $\int_{-\infty}^{\infty} f(x) dx$ SCALE IN PORT WENTWORTH, GA UNIT ۲ī SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD FUEL RECOVERY FEE FEE-HAUL/TRANS/TRUCK ENVIRONMENTAL FEE 5 SW-CONT SOIL GROSS WEIGHT TARE WEIGHT 912-964-2812 58,820 24,000 CHATHAM COUNTY REGION CHATHAM COUNTY REGION NET WEIGHT NET TONS NEHICLE BN-32 REFERENCE 2204144 SITE TICKET 4 WEIGHMASTER BILL OF LADING SUSAD D. 12-11-2014 34,820 17.41 RATE 7:30 am EXTENSION 12-11-2014 CONTAINER CELL INBOUND TAX INVOICE 7:30 an NET AMOUNT TENDERED CHANGE CHECK TOTAL

RS-F042UPR (07/12)

SIGNATURE _



2204144

If waste is asbestos waste, complete Sections I, II, III and IV II waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

4	
æ	
-	

I. GENERATOR (Generato	r completes la-r	·)							
a. Generator's US EPA ID Number N/A		. Manifest Docur	ment Number		c. Page	e 1 of			
d. Generator's Name and Location Compar Rineem Manufacturing Compar 139 Brampton Road Savannah, GA 31408	ny		e. Generator's Mailino Address: AAD Environmental Senices, LLC 4943 Austin Park Avenue Buford, GA 30518						
If owner of the generating facility differs fro	om the generator, pro	ovide:	g. Phone:						
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. C	m. Containers n. Total				
		Description		No.	Туре	Quantity	Wt/Vol		
31101420787		Non-Regulated Soll		1	Dump		Tons		
05.45									
GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, cla waste is a treatment residue of a previously been treated in accordance with the require	v restricted hazardo	u, anu is in propi	to the Lend Dispass! De	tation accord	ting to appli	cable regulation	applicable ns; AND, if this waste has		
PAUL GAZZU	100	w Ann	(As Agent For				······································		
p. Generator Authorized Agent Name (Print		gnature			r. Date				
a. Transportació Naconand Address:	ator completes I	<u>la-b and Tran</u>	sporter completes	llc-e)					
1027 Bacon Road Hinesville, GA 31313 912.412.2402 b. Phone:	Br	V32							
C. Driver Name (Print)	k (la d. Signatur	war d	ittle	مر	12/11	JIY			
III. DESTINATION (Generato			tion Site completes	e. Date	9				
a. Disposal Facility and Site Address:		c. US EPA Num			ice:		 -		
Savannah Regional Industrial 84 Cliffon Blvd Port Wentworth, GA 31407	912.964.2812			·	1	1			
I hereby certify that the above named mater	rial has been accept	ed and to the be	st of my knowledge the	foregoing is	thue and ac	curate.			
11/1				17	VIII	1161			
e. Name of Authorized Agent (Print)	f. Signature			g. Date	1	1-			
IV. ASBESTOS (Generator co a. Operator's Name and Address:	ompletes IVa-f a								
a. Operator's Name and Address:			c. Responsible Agency	Name and A	Address:				
b. Phone:			d. Phone:						
e. Special Handling Instructions and Addition	nal Information:	····	a. i Holic.						
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby d and are classified, packaged, marked and la national governmental regulations.	% Friable sclare that the contract that the cont	ente of this consi	% Non-Friable gnment are fully and accepts in proper condition	curately des for transport	cribed above according to	e by the proper o applicable into	shipping name emational and		
g. Operator's Name and Title (Print) *Operator refers to the company which comp	h. Signature	9		i. Date					
*Operator refers to the company which owns renovation operation or both	s, reases, operates,	controls, or supe	rvises the facility being	demolished (or renovated	, or the demoli	ion or		

### SIST WEITWIFTH, RA PIC-964-2812 #### WEITWIFTH, RA PIC-964-2812 #### WEITWIFTH, RA PIC-964-2812 ##### WEITWIFTH, RA PIC-964-2812 ##### WEITWIFTH, RA PIC-964-2812 ##################################				ಯಾಗದ ಸಭ್ಯ	GIONAL LAND	SFILL	•	SITE	TICKET >		CELL		
STATE OF SECURITIES AND PLACE STATE OF							:	01	943	529	CELL	L	
DATERINE IN DATERINE OUT 1.38 M 1.2-11-2013 7.38 M		3157	_::::::::::::::::::::::::::::::::::::::	DETH, DA		2-984-2812			STER				
Tensisper relations in a column to behalf of Customer acknowledges that the principles are and that he of the has the authority to sign this document on behalf of Customer acknowledges that the principles are conditions. 12-11-2014 7:36 am						751 2722		Susan					
REFERENCE 2204146 SCALE IN GROSS WEIGHT TIMES NET TONS 22.21 SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 44,420 INBOUND OTM UNIT DESCRIPTION RATE EXTENSION TAX TOTA 22.21 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 22.22 IN SW-CONT SOIL CHATHAM COUNTY REGION ENTERONMENTAL FEE E FUEL RECOVERY FEE THE FUEL RECOVERY FEE THE FUEL RECOVERY FEE THE FUEL RECOVERY FEE CHATHAM COUNTY REGION TENDERS: CHATHAM COUNTY REGION TENDERS: CHATHAM COUNTY REGION TENDERS: CHATHAM COUNTY REGION TENDERS: CHATHAM COUNTY REGION TENDERS: CHANGE TENDERS: CHANGE CHANGE CHANGE	-	- 1					1	DATETIME	E IN				
REFERENCE 2204146 SCALE IN GROSS WEIGHT TIMES NET TONS 22.21 SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 44,420 INBOUND OTM UNIT DESCRIPTION RATE EXTENSION TAX TOTA 22.21 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 22.22 IN SW-CONT SOIL CHATHAM COUNTY REGION ENTERONMENTAL FEE E FUEL RECOVERY FEE THE FUEL RECOVERY FEE THE FUEL RECOVERY FEE THE FUEL RECOVERY FEE CHATHAM COUNTY REGION TENDERS: CHATHAM COUNTY REGION TENDERS: CHATHAM COUNTY REGION TENDERS: CHATHAM COUNTY REGION TENDERS: CHATHAM COUNTY REGION TENDERS: CHANGE TENDERS: CHANGE CHANGE CHANGE	Ä	I 17.00	irinna:	Stal Ser	cvides, llo			VEHICLE	740.4	<u>/:38</u>		11-2014	7:32
REFERENCE RECORD SCALE IN GROSS MEIGHT TI, SEC NET TONS 22.21 SCALE IN GROSS MEIGHT TI, SEC NET TONS 22.21 OTY UNIT DESCRIPTION Z221 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION Z221 TO SM-CONT SOIL CHATHAM COUNTY REGION Z221 TO SM-CONT SOIL CHATHAM COUNTY REGION TO FUEL RECOVERY FEE NET HONMENTAL FEE E FUEL RECOVERY FEE NET AMOUNT TENDERE! CHATHAM COUNTY REGION TENDERE! TO THE STREET INCIDENT STREE		- = - '.	S 3 8 7 2 1	∴ra.	,		i	NE-530	08		CONT	TAINER	
SCALE IN GROSS WEIGHT 11,820 NET TONS 22.21 STALE OUT TARE WEIGHT 27,400 NET WEIGHT 44,420 INBOUND OF MAIN TOTAL PROPERTY OF THE WEIGHT AND STATE EXTENSION TAX TOTAL 22.21 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 22.22 IN SW-CONT SOIL CHATHAM COUNTY REGION 22.23 IN SW-CONT SOIL CHATHAM COUNTY REGION 22.24 IN SW-CONT SOIL CHATHAM COUNTY REGION 22.25 IN SW-CONT SOIL CHATHAM COUNTY REGION THE PROPERTY OF THE STATE OF THE	15311	∓ştin.	, 30 3	29073			•	REFERENC	E				
SCALE IN GROSS WEIGHT TI, BLI NET TONS 22.21 SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 44,420 INBOUND OTV. UNIT DESCRIPTION RATE EXTENSION TAX TOTA 22.21 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 22.22 IN SW-CONT SOIL CHATHAM COUNTY REGION 22.23 IN SW-CONT SOIL CHATHAM COUNTY REGION 22.24 IN SW-CONT SOIL CHATHAM COUNTY REGION 22.25 IN SW-CONT SOIL CHATHAM COUNTY REGION 22.26 IN SW-CONT SOIL CHATHAM COUNTY REGION 22.27 IN SW-CONT SOIL CHATHAM COUNTY REGION 22.28 IN SW-CONT SOIL CHATHAM COUNTY REGION CHATHAM COUNTY REGION TO CONTROL OF THE SW-CONT SOIL CHATHAM COUNTY REGION CHARGE CHARGE CHATHAM COUNTY REGION TO CONTROL OF THE SW-CONT SOIL CHARGE CHARGE CHARGE CHARGE CHARGE CHARGE TO CONTROL OF THE SW-CONTRO	: · · :		:-				•						COICE
SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 44,420 INBOUND OTY UNIT DESCRIPTION RATE EXTENSION TAX TOTA 22.21 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 22.21 TO SM-CONT SOIL CHATHAM COUNTY REGION THE EXTENSION TAX TOTA OFFICIAL RECOVERY FEE NET AMOUNT FEED COUNTY			····					BILL OF LA	DING				
SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 44,420 INBOUND OTY UNIT DESCRIPTION RATE EXTENSION TAX TOTA 22.21 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 22.21 TO SM-CONT SOIL CHATHAM COUNTY REGION THE EXTENSION TAX TOTA OFFICIAL RECOVERY FEE NET AMOUNT FEED COUNTY		SCAL	E 1N	GROS	ביים אדי קטי								
OFF. UNIT OESCRIPTION RATE EXTENSION TAX TOTAL COLUMN REGION REGI		SCAL	E OUT				NET	TONS	22.	.21			
ONE DESCRIPTION RATE EXTENSION TAX TOTAL COUNTY REGION 22.21 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 22.27 TV SW-CONT SOIL CHATHAM COUNTY REGION EWIGNOMENTAL FEE E FUEL RECOVERY FEE NET AMOUNT AND TOTAL CHATHAM COUNTY REGION TENDERED NET AMOUNT TENDERED TENDERED TENDERED CHARGE 22.27 TV SW-CONT SOIL CHATHAM COUNTY REGION TOTAL CHARGE TOTAL CHARGE TOTAL CHARGE TOTAL CHARGE TOTAL CHARGE TOTAL CHARGE TOTAL CHARGE TOTAL CHARGE TOTAL CHARGE TOTAL CHARGE TOTAL CHARGE CHARGE				1 AR	E WEIGHT	27,400	NET WE	EIGHT	44 .	120		T.100011111	
22.21 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 22.21 IN SW-CONT SOIL CHATHAM COUNTY REGION ENTRONMENTAL FEE 8 FUEL RECOVERY FEE Net AMOUNT TO THE PROPERTY OF THE PRO	07V.	UNIT			DEC	COMMON				120		TNBOUND	
TENDERED TO SW-CONT SOIL CHATHAM COUNTY REGION TO SW-CONT SOIL CHATHAM COUNTY REGION NET AMOUNT FEE TO SW-CONT SOIL CHATHAM COUNTY REGION NET AMOUNT FEE TO SW-CONT SOIL CHATHAM COUNTY REGION NET AMOUNT FEE TO SW-CONT SOIL CHATHAM COUNTY REGION NET AMOUNT FEE TO SW-CONT SOIL CHATHAM COUNTY REGION TENDERED NET AMOUNT FEE CHATHAM COUNTY REGION CHATHAM COUNTY REGION TO SW-CONT SOIL CHATHAM COUNTY REGION NET AMOUNT FEE CHATHAM COUNTY REGION CHATHAM COUNTY REGION TENDERED TO SW-CONT SOIL CHATHAM COUNTY REGION CHATHAM COUNT	22.21	ΞΞ.	FFFLU	AUI /TRAN	.c / = 2 · · · · · ·				RAT	E E	EXTENSION	TAX	TOTAL
NET AMOU Tendersigned individual signing this document on behalf of Customer acknowledges that he distance and that he or she has the authority to sign this document on behalf of the customer. CHANGE TO DESCRIPTION OF THE STANDARD PROPERTY OF	20.00			-OLYTRAN	NS/.RUUA	CHATHAN	: Corning	REGIO	N			 	TOTAL
ENTIRONMENTAL FEE 8 FUEL RECOVERY FEE NET AMOU TENDERE TO reconsigned individual signing this document on behalf of Customer acknowledges that he or she has the authority to align this document on behalf of the sustainer CHANGE 2/2:	22 2*		377-003	T 2071					!				l
NET AMOU TENDERE TO correspond industrial signing this document on behalf of Customer acknowledges that he or she has the authority to sign this document on behalf of the customer. CHANGE 2/2:		• •);;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;		CHATHAN	: countr	REGIO:	:	•		1	1
TENDEREI TO Exercision of Individual signing this document on behalf of Customer acknowledges that he or she has the authority to sign this document on behalf of the customer. CHANGE 2/21				NECOURD!	, FEE 5					,		1	1
TENDEREI TENDER				KECOVERY	FEE			•				ļ	ł
TENDEREI TENDER													i i
TENDEREI TENDER													
TENDEREI TENDER													
TENDEREI TENDER													1
TENDEREI TENDER												•	
TENDEREI TENDER													
TENDEREI TENDER													
TENDEREI TENDER												į	
TENDEREI TENDER	 .											:	
TENDEREI TENDER												-	No.
CHANGE 2/21 CHANGE													
CHANGE 2/21 CHANGE												F	NET AMOUN
CHANGE 2/21 CHANGE													NET AMOUN
2/2:													
2/2:	Tre.	reersign	ಇರ ಸಾರೋ ಸರ್ಪಾ	Signing this do	or habelt at	•							TENDERED
	Tre on tr	TEFTSIGN TO PURTSE	iko individuar Sidelend that	signing this do	ocument on behalf of the authority to sign	Customer acknowledge:	s that he ox she	i nak reka uru	5 whoerstange	s the terms a	nc conditions		
					ocument on behalf of the authority to sign	Customer acknowledge:	s that he or she f of the pustoms	: 144 1642 (M) pr - 14 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					TENDERED
					cument on behalf of the authority to sign		٦.	(748 (1842 (17) (17) (17) (17)					TENDERED
					cument on behalf of the authority to sign		٦.	ras rese (n)					TENDERED
					cument on behalf of the authority to sign		٦.	ras reso to					TENDERED
					ocument on behalf of the authority to sign		٦.	ر می می این این این این این این این این این ای					TENDERED
					ocument on behalf of the authority to sign		٦.	mas never cons					TENDERED
					ocument on behalf of the authority to sign		٦.	CAS TENA COS					TENDERED
					ocument on behalf of the authority to sign		٦.	mas new con					TENDERED
					ocument on behalf of the authority to sign		٦.	- 136 Nove (18)					TENDERED
					cument on behalf of the authority to sign		٦.	ration in					TENDERED CHANGE
					cument on behalf of the authority to sign		٦.	mas nese in					TENDEREC
					cument on behalf of the authority to sign		٦.	Tas resc in					TENDEREC
					ocument on behalf of the authority to sign		٦.	Tak teka ita					TENDEREC
					ocument on behalf of the authority to sign		٦.	mas neve con					TENDERE
					ocument on behalf of the authority to sign		٦.	Table to the second sec					TENDERE
					ocument on behalf of the authority to sign		٦.	Tal rese (m)					TENDERE
					ocument on behalf of the authority to sign		٦.	mas need the					TENDERE
					ocument on behalf of the authority to sign		٦.	Tak ten to					TENDERE
					ocument on behalf of the authority to sign		٦.	Table Name (co.)					TENDEREC
					ocument on behalf of the authority to sign		٦.	mas nese too					TENDEREC
					ocument on behalf of the authority to sign		٦.	Table to the control of the control					TENDEREC
					ocument on behalf of the authority to sign		٦.	Talk risks (cr)					TENDEREC
					ocument on behalf of the authority to sign		٦.	Tal rese (m)					TENDEREC
					ocument on behalf of the authority to sign		٦.	1.736 No. 6. (1.7)					TENDEREC
					ocument on behalf of the authority to sign		٦.	Table to the control of the control					TENDEREC
					ocument on behalf of the authority to sign		٦.	The same con-					TENDEREC
					ocument on behalf of the authority to sign		٦.	Table to the control of the control					TENDEREC
					cument on behalf of the authority to sign		٦.	Table to the state of the state					TENDEREC
					ocument on behalf of the authority to sign		٦.	Tall river (m)					TENDERE



#

2204146

If waste is asbestos waste, complete Sections I, II, III and IV If waste is NOT asbestos waste, complete Sections I, II and II

2204140	If waste is <u>NOT</u> asbe	estos waste, con	nplete Sections I,	II and III				
I. GENERATOR (Generate	or completes la-r)	j						
a. Generator's US EPA ID Number N/A	b.	. Manifest Docun	nent Number			c. Page	: 1 of	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	iny		Buford	Mailing Add Environmen Austin Park d. GA 30518	Suns A)es, LLC		
f. Phone: If owner of the generating facility differs fr	the conceller pro	· · · · · · · · · · · · · · · · · · ·	g. Phone:					
	om the generator, pro-	vìde:				-		
h. Owner's Name: i. Waste Profile #		The state of the	i. Owner's Phon	ie No.:			·	
j. vvaste Protte #	k. Exp. Date	I. Waste Ship Description	ping Name and		m. Co No.	ntainers Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Noп-Regul	lated Soll	1	ס	lump	T	one
i								
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	ilassified and packaged sly restricted hazardous	d, and is in prope is waste subject	er condition for tra	ansportatior	n accordir	ng to applic	cable regulations;	ANID MALL
YAUL GAZZO	Nu	I Ano	AS Agent &				7/14	
p. Generator Authorized Agent Name (Pri		gnatupe				r. Date		
II. TRANSPORTER (General a. Transporter) Negarita Negarita Address:	rator completes ua	a-b and Iran	isporter comp	letes ilc-e	<u>a)</u>			
1027 Bacon Road Hinesville, GA 31313 912.412.2402	53	305	0					
& Justi	TERX XLL	1 4			x/2/	11/14		
c. Driver Name (Print)	d. Signatúre	8′		1	e. Date			
III. DESTINATION (Generat								
a. Disposal Facility and Site Address: Savannah Regional Industria 84 Clifton Bivd Port Wentworth, GA 31407	912.954.2812	c. US EPA Num			·	ì	i	
I hereby certify that the above named mat-	terial has been acception	ed and to the be	est of my knowled	ge the fore	going/is t	rue and ac	curate. : ;	
3 11		りノノ			7	尹丁丁		
e. Name of Authorized Agent (Print)	f. Signature				g. Date	-/	+	
IV. ASBESTOS (Generator	completes IVa-f ar	nd Operator	complete IVg-		<u>.a.</u>	-		
a. Operator's Name and Address:			c. Responsible A	gency Nam	ne and Ad	idress:		
b. Phone:			d. Phone:					
e. Special Handling Instructions and Addition	ional Information:							
f. Triable Non-Friable Both		Δ	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the conte	ents of this consi	ignment are fully	and accurated and accurate the second accurate	tely descr ransport a	ribed above according t	e by the proper story applicable inter	hipping name, national and
				}				
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signature	controls or sund	arriess the facility	halaa daa	i. Date			
renovation operation or both	HS, Idases, Operates, C	Willias or sobe	Irvises the facility	being cenii	olishea o	renovated	i, or the demolitio	in or

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	943530	CELL
WEIGHM		
Susa		
DATEI		DATE/TIME OUT
	1-2014 7:40 am	12-11-2014 7:40 a
VEHICLE		CONTAINER
<u> 3N-29</u>)	1
REFERE 2204	NCE	- L
44041	L43	INVOICE
BILL OF	LADING	

NET AMOUNT

TENDERED

CHANGE CHECK#

SCALE IN GROSS WEIGHT 64,200 NET TONS 20.21 SCALE OUT TARE WEIGHT 23,780 NET WEIGHT 40.420

`		TARE I	WEIGHT	23,780	NET WEIGHT	40,420		INBOUND	
OTY.	UNIT		DESCRIP	TION		RATE	EVERIOUS		
20.21		FEE-HAUL/TRANS/	TRUCK	CHATHAM	COUNTY REGION	naie	EXTENSION	TAX	TOTAL
25.00 20.21 1.00 1.00	TN	SW-CONT SOIL ENVIRONMENTAL F FUEL RECOVERY F			COUNTY REGION				
<u> </u>									

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.



2204145

If waste is asbestos waste, complete Sections I, II, III and IV II waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

i. GENERATOR (Generate	or compl	etes la-r))							
a. Generator's US EPA ID Number	<u> </u>		Manifest Docur	ment Number			c. Pag	e 1 of	1	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	•	L		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:						
If owner of the generating facility differs fr	om the ge	nerator, pro	vide:					······································		
h. Owner's Name:				i. Owner's Phone No	o.:					
j. Waste Profile #	k. Exp. C	Date	I. Waste Ship Description	ping Name and			ntainers n. Total		o. Unit	
			Description			No.	Туре	Quantity	Wt/Vol	
31101420787	31101420787			Non-Regulated Soil		Dump			Tons	
CENEDATORIO OFFICIALE										
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	assilied ar ilv restricte	io package d hazardou	a, and is in prop is waste subject	er condition for transp	Postrion	accordin	g to appi	cable regula	- AT A B 455 18 AE-1	
PAUL GAZZO		Va	,,,,,	AS AGUATINGO			12/9			
p. Generator Authorized Agent Name (Pri	nt)	q. Sig	natyre	5 to part 1 0 c	. N C & 7	(100)	r. Date		***************************************	
II. TRANSPORTER (Gene	rator cor			sporter complete	s IIc-e	<u> </u>				
a. Transporter's Name and Address: Ban Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	ĺ	3N2	Ûj							
C. Driver Name (Print)		d. Signátur	An a				2/11/	14		
III. DESTINATION (Generat				tion Site complet		e. Daté				
a. Disposal Facility and Site Address:			c. US EPA Num				·			
Savannah Regional Industria 84 Clifton Bivd b. Rort Wentworth, GA 31407	912.964	1.2812	:			·				
I hereby certify that the above named mat	erial has b	een accept	ed and to the be	est of my knowledge th	he foreg	oing is ta	e and a	curate.		
						1) [(114		
e. Name of Authorized Agent (Print)	1	f. Signature	· · · · · · · · · · · · · · · · · · ·			g. Date	/ /-	+	}	
IV. ASBESTOS (Generator	complete	es IVa-f a	nd Operator	complete IVg-i)						
a. Operator's Name and Address:				c. Responsible Agend	cy Name	e and Add	iress:			
b. Phone:				d. Phone:						
e. Special Handling Instructions and Addit	ional Inforr	nation:								
f. Friable Non-Friable Both	doeless #	% Friable	8	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	labeled/pla	at the conte acarded, an	ents of this cons nd are in all resp	ignment are fully and ects in proper condition	accurate on for tra	ely descri ansport a	bed abov ccording	re by the proto to applicable	oper shipping name e international and	
g. Operator's Name and Title (Print)		h. Signature)		i	. Date				
*Operator refers to the company which ow renovation operation or both	ns, leases,	operates,	controls, or supe	ervises the facility bein	ng demo	lished or	renovate	d, or the de	molition or	

SITE SAVANNAH REGIONAL LANDFILL TICKET # CELL 01 943533 84 CLIFTON BLVD WEIGHMASTER PORT WENTWORTH, GA 912-964-2812 CUSTOMER Susan D. DATE/TIME IN 100014 DATE/TIME OUT 12-11-2014 7:45 am 12-11-2014 CONTAINER A & D Environmental Services, LLC VEHICLE BN-22 1741 Calks Ferry Rd. Lexington, SC 29073 REFERENCE 2204147 31101420787 BILL OF LADING SCALE IN GROSS WEIGHT 65,340 NET TONS 21.93 SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 43,860 INBOUND QTY. UNIT

DESCRIPTION RATE 21.93 EXTENSION TAX EΑ TOTAL 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

7:45 aπ

INVOICE

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.



2204147

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes la	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page	e 1 of	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
N/A						•	1
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	ny		e. Generator's Mailing Add A&D Environmer 4943 Austin Parl Buford, GA 3051	tiai Servic Kavenue	26, LLC		
f. Phone:			g. Phone:	_			
If owner of the generating facility differs from	om the generator,	provide:					
h. Owner's Name:			i Overse's Observable :				
i. Wasle Profile #	k. Exp. Date	I Macta Shin	i. Owner's Phone No.: ping Name and		tainers	n. Total	- 11-is
j. Waste i Tottle #	k. Exp. Date	Description	build Hattie and	No.	Type	Quantity	o. Unit Wt/Vol
				1			
34404400707	İ	Nam Basii	leted Out				
31101420787		Non-Regu	ialeo Son 1	וט	ιπρ		Tons
			.	 		 	1008
	I						
	İ			1		l	
				<u> </u>			
				1			
				1			ļ
						1	
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous waste	e as define	d by 40 C	FR 261 or any	y applicable
state law, has been properly described, cl	assified and pack	aged, and is in prop	er condition for transportation	n accordir	g to appli	icable regulation	ons; AND, if this
waste is a treatment residue of a previous been treated in accordance with the regul	iy restricted haza	rdous waste subject	to the Land Disposal Restri	ctions. I ce	ntify and t	warrant that th	e waste has
	ements of 40 Cr	TY 200 aligns no long	1	(U CPR 20) ,	
PAUL GANO	غړ ا	-altrax	AS Agust For Gench	rton)	121	9/14	
p. Generator Authorized Agent Name (Prin	nt) #c	. Signature	7		r. Date		
II. TRANSPORTER (Gene	rator complete	es Ila-b and Tran	nsporter completes lic-	e)			
a. Transporter's Name and Address:	·			-,			
1027 Bacon Road							
Hinesville, GA 31313	O a	1 . 7)					
b. Phone: 912.412.2402	りん						
	1	1 - ~	1711	XIZ	111/1	V	
& Shalken Little		CID STYK	FI LLIVE	XIZ		,	
c. Driver Name (Print)	d. Sign	ature	-00-	e. Date			
III. DESTINATION (Generat	or complete il	la-c and Destina	ation Site completes III	d-g)			
a. Disposal Facility and Site Address:		c. US EPA Num	ber d. Discrepancy Indica	ation Spac	e:		
Savannah Regional Industria	al Landfill			·			
84 Clifton Blvd	21 20110110						
b. Port Wentworth, GA 31407	912.964.2812	1			1	1	
I hereby certify that the above named mat	erial has been ac	cepted and to the bi	est of my knowledge the for	egoina is t	ue and a	ccutate.	
		2	>		717	1 161	
		<u> </u>		1 1	11	11101	
e. Name of Authorized Agent (Print)	f. Signa			g. Date			
IV. ASBESTOS (Generator	completes IVa	a-f and Operator	complete IVg-i)				
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	ldress:		
		ı					
b. Phone:		İ	d. Phone:				
e. Special Handling Instructions and Addit	ional Information	 .					
AD Edotte D.N. Edotte		 	A. 1				
f. Friable Non-Friable Both	<u>% F</u>	riable	% Non-Friable	-4-1 6	,		
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and	eni janj ersipsu : uscialed/pacarda	contents of this cons	signment are fully and accur	ately desc	noed abo	ve by the prop	er snipping name
national governmental regulations.	isseiem hiscaide	u, anu are in an 1981	poor in brober condition for	u ansport i	gnioroos	to applicable i	memauonai and
				·			
<u> </u>							
g. Operator's Name and Title (Print)	h. Sigr	nature		i. Date			
*Operator refers to the company which ow renovation operation or both	ins, leases, opera	ites, controls, or sup	ervises the facility being der	nolished o	r renovate	ed, or the dem	olition or

14-7:48 am 6000 1NBC		he of shre has road and understands the terms and conditions CHECKS TENDERED CHANGE CHECKS TOTAL
SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL LANDFILL SAVANNAH GA 912-964-2812 YT WENTWORTH, GA 11C	100017 100017 A & D Environment Rd. A & D Calks Ferry 9073 1741 Calks SC 29073 1742 Calk IN TARE WEIGHT 26,640 NET WEIGHT SCALE OUT TARE WEIGHT COUNTY REGION SCALE OUT TARE WEIGHT COUNTY REGION SCALE OUT TARE WEIGHT COUNTY REGION SCALE OUT TARE WEIGHT COUNTY REGION SCALE OUT TARE WEIGHT SEE SCO. 18.69 YD SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO. 18.69 TO SW-CONT SOIL FEE SCO.	The undersigned individual signing this document on behalf of Customer acknowledges that he of site has road and understands the terms and conditions gigned individual signing this document on behalf of the customer acknowledges that he customer as and that he of she has the authenty to sign this document of SignaTuffe. SignaTuffe SignaTuffe

RS-F012UPR (01/12)



2204148

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	tor completes la-r)					
a. Generator's US EPA ID Number N/A	b.	. Manifest Docur	ment Number		c. Page	9 1 of	
d. Generator's Name and Location: Rheem Manufacturing Comp 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Add A&D Environmen 4943 Austin Part Buford, GA 3051 g. Phone:	ik avenue	es, LLC		
If owner of the generating facility differs f	from the generator, pro	ovide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		oping Name and	m. Con		n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	ulated Son	Di	тр		Tons
GENERATOR'S CERTIFICATION: I here state law, has been properly described, contact waste is a treatment residue of a previous been treated in accordance with the requirement.	usiv restricted hazardou	us waste subject 68 and is no long	to the Land Disposal Restriction and the Land Disposal Restriction of the Land Disposal Restriction	on according lictions. I cer efined by 40	g to applice of the state of th	cable regulation warrant that the	
p. Generator Authorized Agent Name (Pr		44MOL	AS AGUNT FOR GENER	(Ator)	12/9,	/IX	
		griature	4 4-4-2 11-		r. Date		
II. TRANSPORTER (General a. Transporter in National Address:	Mator combieres in	a-o and Iran	isporter completes lic-	<u>e)</u>			
1027 Bacon Road Hinesville, GA 31313 912.412.2402		b	1W702				
c. Driver Name (Print)	d. Signature	19m	√	x 7 1, e. Date	ılıy		
III. DESTINATION (Genera			ation Site completes III	4-a)			
a. Disposal Facility and Site Address:		c. US EPA Num			·		
Savannah Regional Industri 84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812	·			1		
I hereby certify that the above named ma	terial has been accept	ed and to the be	est of my knowledge the fore	going is tru	e and ac	curate.	
		الكيك الكيا		1-7		16	
e. Name of Authorized Agent (Print)	f. Signature			g. Date			
IV. ASBESTOS (Generator	completes IVa-f a	ind Operator	complete IVg-i)		+		
a. Operator's Name and Address:			c. Responsible Agency Nan	ne and Add	iress:		
b. Phone:		1	***				
e. Special Handling Instructions and Addit	itional Information:		d. Phone:				
· · · · · · · · · · · · · · · · · · ·	Hong, morning						
f. Friable Non-Friable Both	n % Friable	la	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	v declare that the conte	ents of this consi	ignment are fully and seems	itely descrit transport ac	bed above cording to	by the proper o applicable into	shipping name emational and
g. Operator's Name and Title (Print)	h. Signature	8		i. Date			
*Operator refers to the company which ow renovation operation or both	vns, leases, operates, o	controls, or supe	rvises the facility being dem	iolished or	renovated	, or the demolit	ion or
Totto tation operation of occ.							

ie TOTAL 8:21 INVOICE DATE/TIME OUT
12-11-2014
CONTAINER CNUOSNI TAX CELL EXTENSION Ħ 8:21 SITE TICKET # 01 943541 WEIGHMASTER 19.12 RATE 12-11-2014 VEHICLE BN-32 Reference 2204149 BILL OF LADING SUSAD D CHATHAM COUNTY REGION CHATHAM COUNTY REGION NET WEIGHT NET TONS SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD FENTWORTH, GA 912-964-2812 24,000 62,240 LIC TARE WEIGHT GROSS WEIGHT FEE-HAUL/TRANS/TRUCK 100014 A & D Environmental Services, 1741 Calks Ferry Rd. Lexington, SC 29073 ß 1 1 1 1 1 1 SW-CONT SOIL ENVIRONMENTAL F FUEL RECOVERY F 84 C WENTWORTH, IN SCALE SCALE 3110142078 PORT EA VD S 0.00 19.12 1.00 1.00 19.12 CUSTOMER OT. SITE

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. 1 Jane

NET AMOUNT

TENDERED CHANGE CHECK

TOTAL STORY

RS-F042UPR (07/12)



2204149

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-	·r)					
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page	1 of	
N/A d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	iny		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue				
Savannah, GA 31408 f. Phone:			Buford, GA 30 g. Phone:	518			
If owner of the generating facility differs fr	om the generator, p	rovide:	g. i hone.				
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Con	ntainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	lated Soil	Dt	тр		Tons
GENERATOR'S CERTIFICATION: I here state law. has been properly described, contact waste is a treatment residue of a previous been treated in accordance with the requi	lassified and packag slv restricted hazard	ged, and is in prop lous waste subiect	er condition for transporta to the Land Disposal Res	ition accordin	g to applic	cable regulation	ne AND if this
PANL GAZZO PULLY (ASAGENT FOR GENCENHE) 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	0	<u> 32</u>	isporter completes in	(-e)			
c. Driver Name (Print)	d. Signat		Little,	火 / 7 e. Date	111/14	i	
III. DESTINATION (General			ation Site completes				
a. Disposal Facility and Site Address:		c. US EPA Num			<u></u>		
Savannah Regional Industri 84 Clifton Bivd b. Port Wentworth, GA 31407	912.964.2812			·		ì	
I hereby certify that the above named ma	terial has been acce	epted and to the be	est of my knowledge the fo	oregoing is tr	ne aud ac		
	(-				-)	11/1	
e. Name of Authorized Agent (Print)	f. Signatu			g. Date			
IV. ASBESTOS (Generator	completes IVa-f	and Operator					
a. Operator's Name and Address:			c. Responsible Agency N	Name and Ad	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addi	lional Information:						
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the co	ontents of this cons	% Non-Friable signment are fully and according to proper condition for the second seco	curately descr or transport a	ibed abov	e by the proper to applicable in	r shipping name temational and
g. Operator's Name and Title (Print) *Operator refers to the company which over renovation operation or both	h. Signat vns, leases, operate	ure s, controls, or sup	ervises the facility being d	i. Date lemolished or	renovate	d, or the demoi	lition or



2204150

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

4	
#	
•	

į

I. GENERATOR (Generate	or com	pletes la-r)						
a. Generator's US EPA ID Number N/A			Manifest Docum	nent Number		c. Page	1 of	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:				e. Generator's Majlino Address Services, LLC 4943 Austin Park Avenue Burord, GA 30518 g. Phone:				
If owner of the generating facility differs fr	om the g	enerator, prov	vide:					
h. Owner's Name:				i. Owner's Phone No.:	:			
j. Waste Profile #	k. Exp.	Date		ping Name and		ontainers	n. Total	o. Unit
	 		Description		No.	Type	Quantity	Wt/Vol
31101420787			Non-Regu	lated Soil	1) ump	т	ons
CENERATORIO GERTIFICATIONI LI								
GENERATOR'S CERTIFICATION: I here state law, has been properly described, of waste is a treatment residue of a previous been treated in accordance with the requi	lassified a slv restric	and packaged ted hazardous	d, and is in prop is waste subject	er condition for transport to the Land Disposal Re	rtation accordi	ing to appli	cable regulations	· AND if this
AVIGAZZO FEI MAT AS Agent FOR Cucashe 12/9/14								
p. Generator Authorized Agent Name (Print) q. Signature r. Date								
II. TRANSPORTER (Gene	rator co	ompletes II:	a-b and Trar	sporter completes	llc-e)			
a. Transporter in Name in Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone:			45	308				
LOST Laste	2 	x ley	1 1	artin	× 12	luly		
c. Driver Name (Print)		Signature			e. Date			
III. DESTINATION (General	tor com	plete Ma-6	and Destina	ation Site completes	s IIId-g)			
a. Disposal Facility and Site Address:		l l	c. US EPA Num	nber d. Discrepancy In	ndication Span	ce:		
Savannah Regional Industri 84 Ciliton Bivd Port Wentworth, GA 31407	912.9	964.2812						
I hereby certify that the above named male	terial has	been accepte	ed and to the br	est of my knowledge the	foregoing is t	rue and ac	curate.	
			SX.	<i></i>		1.3.	11 fil	
e. Name of Authorized Agent (Print)		f. Signature		g. Date				
IV. ASBESTOS (Generator	comple	tes IVa-f a	nd Operator	complete IVg-i)				
a. Operator's Name and Address:				c. Responsible Agency	Name and A	ddress:		
b. Phone:				d. Phone:				
e. Speciai Handling Instructions and Addit	tional Info	ormation:						
I. ☐ Friable ☐ Non-Friable ☐ Both		% Friable		% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	v declare	that the conte	ents of this cons	signment are fully and a	ccurately desc for transport	cribed above according	e by the proper s to applicable inte	shipping name mational and
	ı							
g. Operator's Name and Title (Print)		h. Signature	e		i. Date			
*Operator refers to the company which ow renovation operation or both	ıns, lease	es, operates, o	controls, or supr	ervises the facility being	demolished o	or renovate	d, or the demoliti	on or

RS-F042UPR (07/12) CUSTOMER 22.38 20.00 22.38 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787 A & D Environmental Services, LLC 1.00 1.00 100014 The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the torpes at on the reverse side and that he or she has the authority to sign this document on behalf of the customer. SCALE IN SCALE OUT S PORT WENTWORTH, GA YD TN FUEL RECOVERY FEE ENVIRONMENTAL FEE 5 SW-CONT SOIL FEE-HAUL/TRANS/TRUCK SAVANNAH REGIONAL LANDFILL 22 84 CLIFTON BLVD GROSS WEIGHT TARE WEIGHT 912-964-2812 DESCRIPTION 66,240 21,480 CHATHAM COUNTY REGION CHATHAM COUNTY REGION NET WEIGHT NET TONS BN-22 REFERENCE 2204001 Susan_D. BILL OF LADING SITE TICKET # 12-11-2014 VEHICLE WEIGHMASTER 943547 44,760 22.38 RATE EXTENSION an 12-11-2014 CONTAINER CELL DATE/TIME OUT INBOUND Ž INVOICE RET AMOUNT TENDERED CHANGE 8:35 an CHECK TOTAL

SIGNATURE



2204001

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-r)							
a. Generator's US EPA ID Number		Manifest Docum	ment Number		c. Page			
d. Generator's Name and Location compa 139 Brampton Road	any		e. Generators Mailing Address: en Ices, LLC					
Savannah, GA 31408			4943 Austin Park Avenue					
f. Phone:			Buford, GA 30518 g. Phone:					
If owner of the generating facility differs fr	rom the generator, prov	vide:	g. r none.					
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pping Name and	m. Con	itainers	n. Total	o. Unit	
	-	Description		No.	Туре	Quantity	WtVol	
31101420787		Non-Regul	Hated Soil	וח	тр			
			1	7	in.p		Tons	
				1				
'	1]]	i			
					I			
'				1				
'	!				i			
CENERATORIS CERTIFICATION, LL		<u> </u>						
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a province	Jassiiian ann nackanad	ות המת תו פו חתב ו	ISE COndition for tennonamentalia		- 4!!-		A A 150 10 40 1	
Land to a modulier residue of a previous	SIV resulcied nazardons	s waste slinlect	IO IOA I SOO DISOASSI BASIN	Idione Lee	#ifia and		s; AND, it this waste has	
been treated in accordance with the requi	rements of 40 CFR 26	8 and is no long	ger a hazardous waste as de	efined by 40	0 CFR 26	1.		
THUCGALL Rafe MIN Agent For (xmenotor) 12/10/14								
p. Generator Authorized Agent Name (Print) q. Signature r. Date								
II. TRANSPORTER (Gene	rator completes W	a-b and Trar	nsporter completes lic-	-e)				
a. Transporter in Name and Address:	7			<u>-,</u>				
1027 Bacon Road Hinesville, GA 31313		6222)					
912 412 2402		DNI	•					
. b. Phone:	1/1		· AM	т				
X STAKKON LITTLE	SINDA	alle	XXXIII	12	1/11/19	/		
c. Driver Name (Print)	d. Signature			e. Date	<u></u>			
III. DESTINATION (Generat								
a. Disposal Facility and Site Address:	C	c. US EPA Num			ı:			
Savannah Regional Industria 94 Clifton Blvd	al Landfill							
Port Wertworth, GA 31407	912.954.2812							
b. I hereby cedify that the above named materials	torial has been godente	d and to the be						
I hereby certify that the above named mate	Bligi liga neen geneke	d sugrement	ist or my knowledge the tore	Agoing is thi	e and acc	zurate.		
A shadad A and (Din)				1:-	7 - 1	1 - 1r/		
e. Name of Authorized Agent (Print)	f. Signature			g. Date				
IV. ASBESTOS (Generator o	completes Iva-i an							
a. Operator's Name and Address:			c. Responsible Agency Nan	ne and Add	iress:			
		Ī						
b. Phone:								
e. Special Handling Instructions and Additi	ional Information:		d. Phone:					
· •								
f. 🗆 Friable 🗀 Non-Friable 🗀 Both	9/ Erichle		A1 11					
OPERATOR'S CERTIFICATION: I hereby	% Friable to declare that the content	nts of this consi	% Non-Friable	statu daeori	Lad above	- hutha areas	-1-11	
and are desamed, packaged, marked and	labeled/placarded, and	d are in all resp	ects in proper condition for f	transport ar	Dea above according t	o applicable into	snipping name emational and	
national governmental regulations.	·	·				7 dpp.:0000	Jiliauvilui wila	
			1	1				
g. Operator's Name and Title (Print)	h. Signature	1		i. Date			······································	
*Operator refers to the company which own renovation operation or both	ns, leases, operates, o	ontrols, or supe	rvises the facility being dem	iclished or	renovated	, or the demolit	ion or	

SAVANNAH REGIONAL LANDFILL

84 CLIFTON BLVD

PORT WENTWORTH, GA 912-964-2812

SUSTOMER

100014

A & D Environmental Services, LLC

1741 Calks Ferry Rd.
Lexington, SC 29073

31101420787

SCALE IN GROSS WEIGHT 63,920 NET TONS

2/21

pe sata inn varies

SITE TH	KET#		CELL	
01	943	550		
WEIGHMAST	ER			
Susan	D			
DATE/TIME I	13		DATE/TIME OUT	
12-11-	2014	8:41 am	12-11-2014	8:41 am
VEHICLE			CONTAINER	
BN-29				
REFERENCE				
220400	4		INV	OICE
BILL OF LA	ING			

TENDERED

CHECK#

SCALE IN GROSS WEIGHT 63,920 NET TONS 20.07
SCALE OUT TARE WEIGHT 23,780 NET WEIGHT 40,140 INBOUND

			•		,			
OTY.	UNIT	DESC	RIPTION		RATE	EXTENSION	TAX	TOTAL
20.07	EΑ	FEE-HAUL/TRANS/TRUCK	CHATHAM	COUNTY REGION				
25.00	YD							
20.07	TN	SW-CONT SOIL	CHATHAM	COUNTY REGION				
1.00		ENVIRONMENTAL FEE 5						
1.00		FUEL RECOVERY FEE			1			
1					i 1			
- 1							1	
		i			i		1	
İ							1	
								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.

customer.



2204002

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I					
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number	C	. Page 1 of	
N/A		1				1
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	any		e. Generator's Mailing Add A&D Environmen 4943 Austin Park Burord, GA 3051	Avenue	ПC	
f. Phone:			g. Phone:			
If owner of the generating facility differs fr	om the generator	, provide:				
h. Owner's Name:			i. Owner's Phone No.:			
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and	m. Contai No.	ners n. Tota Type Quant	1
31101420787		Non-Regu	lated Soll	Dum	•	Tons
				 		
				1	İ	
					İ	
					1	
				1	1	
GENERATOR'S CERTIFICATION: I here	eby certify that the	above named mate	rial is not a hazardous waste	e as defined l	oy 40 CFR 261	or any applicable
state law, has been properly described, c	lassified and pacl	kaged, and is in prop	er condition for transportation	on according t	o applicable reg	gulations; AND, if this
waste is a treatment residue of a previous	sly restricted haza	ardous waste subject	to the Land Disposal Restri	ctions. I certif	y and warrant t	nat the waste has
beemtreated in accordance with the requ	irements of 40 CF	R 268 and is no lon	ger a hazardous waste as de	efined by 40 (CFR 261.	
THUI GAZZE	17	Va1.1113	11x Abert Gor lies	cas for	12/10/	¥
p. Generator Authorized Agent Name (Pr	int)	q. Signature	1) 1 11 11 11 11 11		. Date	
II. TRANSPORTER (Gene			eporter completes lie		. 00.0	
	stator complet	es lia-b allu IIai	isporter completes lic-	-6)		
a. Transporteria Name and Address:						
1027 Bacon Road Hinesville, GA 31313		n. 1 =	G			
912,412,2402		DN 2	7			
b. Phone:	117		•			
X Jin Vauls	IX.		-	X 14,	1114	
c. Driver Name (Print)	d Sig	nature		e. Date		
III. DESTINATION (Genera			ation Site completes III			
	itor complete	c. US EPA Nur				
a. Disposal Facility and Site Address:		C. US EPA NUI	inder d. Discrepancy maic	ation Space.		
Savannah Regional Industr	nai Landfill					
84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812	, 				
l b		(1				
I hereby certify that the above named ma	aterial has been a	ccepted and to the b	est of my knowledge the for	egoing is true		
	1.5	3			۱ - ۱۱ - ۱۷	. [
e. Name of Authorized Agent (Print)	f. Sign	nature	**************************************	g. Date	<u></u>	
IV. ASBESTOS (Generator			complete (Va-i)			
	Completed IV	a rana oporato.	c. Responsible Agency Na	me and Adds	2000	
a. Operator's Name and Address:			o. Nesponsible Agency Na	mie diu Audi		
b. Phone:			d. Phone:		······································	
e. Special Handling Instructions and Add	litional Information	n:				
f. ☐ Friable ☐ Non-Friable ☐ Bott	h %	Friable	% Non-Friable			
OPERATOR'S CERTIFICATION: I hereb	y declare that the	contents of this con	signment are fully and accur	rately describ	ed above by the	e proper shipping nar
and are classified, packaged, marked an	d labeled/placard	led, and are in all res	pects in proper condition for	transport ac	cording to applic	cable international ar
national governmental regulations.						
a Contrator's Name and Title (Drint)	- h ei	nalure		i. Date		
g. Operator's Name and Title (Print) *Operator refers to the company which of	wns, leases one	rates, controls, or su	pervises the facility being de		enovated, or the	e demolition or
renovation operation or both						

315 CUSTOMER 100014
A & D Environmental Services,
1741 Calks Ferry Rd.
Lexington, SC 29073 PORT SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD WENTWORTH, GA 912-964-2812 SITE TICKET # 943551

WEIGHMASTER

SILSAE D.
DATE/TIME IN

12-11-2014 8:
VEHICLE
BN-702

REFERENCE
2204011 8:44 am DATE/TIME OUT
12-11-2014
CONTAINER 6:44 TOTAL ān

SCALE IN GROSS WEIGHT 61,480 NET TONS SCALE OUT TARE WEIGHT 26,640 NET WEIGHT 17.42 EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 17.42 TN SW-CONT SOIL 1.00 ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	SCALE IN GROSS WEIGHT 61,480 NET TONS SCALE OUT TARE WEIGHT 26,640 NET WEIGHT UNIT	SCALE IN GROSS WEIGHT 61,480 NET TONS SCALE OUT TARE WEIGHT 26,640 NET WEIGHT UNIT	SCALE IN GROSS WEIGHT 61, SCALE OUT TARE WEIGHT 26 UNIT TARE WEIGHT 26 PEE-HAUL/TRANS/TRUCK YD SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	31101420787	20787	000000000000000000000000000000000000000		118	BILL OF LADING			
UNIT TARE WEIGHT 26,640 NET WEIGHT UNIT	UNIT TARE WEIGHT 26,640 NET WEIGHT UNIT	UNIT TARE WEIGHT 26,640 NET WEIGHT UNIT	UNIT TARE WEIGHT 26 UNIT DESCRIPTION	SC	CALE		61,480	NET TO		17.42		
UNIT DESCRIPTION 42 EA FEE-HAUL/TRANS/TRUCK 50 YD 50 SW-CONT SOIL 60 ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	UNIT DESCRIPTION 42 EA FEE-HAUL/TRANS/TRUCK 20 YD 30 SW-CONT SOIL 42 TN SW-CONT SOIL 50 ENVIRONMENTAL FEE 5 50 FUEL RECOVERY FEE	UNIT DESCRIPTION 42 EA FEE-HAUL/TRANS/TRUCK 50 YD 50 SW-CONT SOIL 60 ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	UNIT DESCRIPTION 42 EA FEE-HAUL/TRANS/TRUCK 50 YD 50 SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	S.C	CALE		26,640	NET WEIG		34,840	0	40 INBOUND
EA FEE-HÂUL/TRANS/TRUCK YD SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	EA FEE-HÂUL/TRANS/TRUCK YD SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	FEE-HAUL/TRANS/TRUCK YD SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	FEE-HAUL/TRANS/TRUCK YD SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE		NIT	DES	CRIPTION			BATE		EXTENSION
IN SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	IN SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	TN SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE			- 1	СНАТНАМ	COUNTY 3				Ş
FUEL RECOVERY FEE	FUEL RECOVERY FEE	FUEL RECOVERY FEE	FUEL RECOVERY FEE			ा भा (ग (ग	СНАТНАМ	COUNTY R	GEION			
				1.00		[F]					·	
												

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and differentiands 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.

TENDERED CHECK* CHANGE

Newson delicated ad

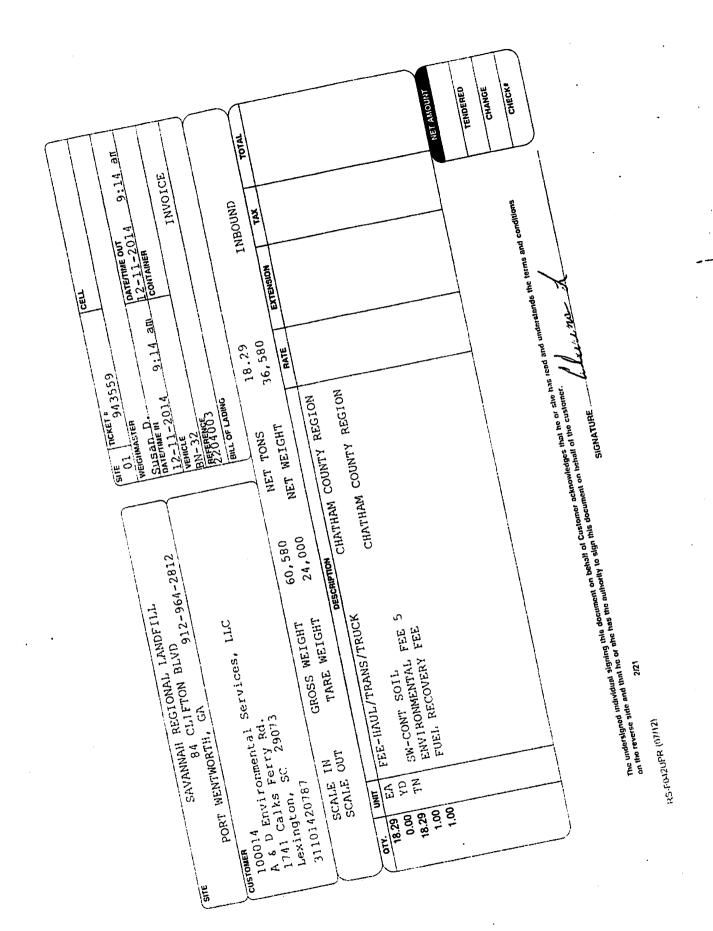


2204011

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\hbox{\bf NOT}}$ asbestos waste, complete Sections I, II and III

#	
#	

I. GENERATOR (Generate	or completes la	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docur	nent Number		c. Page	1 of	
N/A			1			1	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	іпу		e. Generator's Mailing Ac A&D Environme 4943 Austin Pa	ental Service	6, LLC		
Savannah, GA 31408			Buford, GA 305				
f. Phone:			g. Phone:				
If owner of the generating facility differs fr	om the generator,	provide:					
h. Owner's Name:			i. Owner's Phone No.:				1
j. Waste Profile #	k. Exp. Date		ping Name and	n. Total	o. Unit		
	 	Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	lated Soli	Di	mp		
<u> </u>			1				Tons
						1	
						Ì	
						<u> </u>	
							1
GENERATOR'S CERTIFICATION: I here							
state law, has been properly described, co waste is a treatment residue of a previous	sly restricted hazar	rdous waste subject	to the Land Disposal Rest	trictions. I ce	rtify and v	varrant that the	waste has
been treated in accordance with the requi	rements of 40 CF	R 268 and is no lon	ger a hazardous waste as	defined by 4	0 CFR 26	1.	
PAUL 6 AZZE		Val 3M	AS HEAT FINGEN	(جمعانه زيس	121	13/14	
p. Generator Authorized Agent Name (Pri	int) &	. Signature	of the state of th	(CH.40)	r. Date		
II. TRANSPORTER (Gene			nsporter completes lic	:-e)		 	
a. Transporter's Name and Address:	·······		iopolici dollipidido lic	<u>, , , , , , , , , , , , , , , , , , , </u>			
1027 Bacon Road		_					
Hinesville, GA 31313		₹	1K! 70 2				
b/ Phone; 912.412.2402		'	710 / 5				
N.K. Bur	IX A	KR	Nyoz	12/1	1.1		
c. Driver Name (Print)	d. Sign		\ <u>\</u>	e. Date	**/		
III. DESTINATION (Genera			ation Site completes I			·	
a. Disposal Facility and Site Address:	tor complete ii	c. US EPA Nur			a:		
Savannah Regional Industr	tal Landfill	5. 55 2	ar orocropano, ma		·		
Savannan Regional Industri	lai Callulli						
b. Port Wentworth, GA 31407	912.964.2812						
I hereby certify that the above named ma	terial has been ac	pepted and to the b	est of my knowledge the fo	oregoing is tr	ue and ac	curate.	
() () () () () () () () () ()				$ \rangle$	11.	\c.	
e. Name of Authorized Agent (Print)	f. Signa	ature		g. Date			
IV. ASBESTOS (Generator			complete (Va-i)	1 3. 0 2.0			
a. Operator's Name and Address:			c. Responsible Agency N	lame and Ad	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Add	itional Information:						
f. ☐ Friable ☐ Non-Friable ☐ Both	1 % F	riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereb	y declare that the	contents of this con					
and are classified, packaged, marked and	d labeled/placarde	ed, and are in all res	pects in proper condition for	or transport a	according	to applicable in	itemational and
national governmental regulations.							
			•			_	
g. Operator's Name and Title (Print)	h. Sigr			i. Date			04-
*Operator refers to the company which or renovation operation or both	wns, reases, opera	stes, controls, or su	pervises the facility being d	emonsned of	renovate	ea, or the demo	HUON OF





2204003

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\frac{N}{2}$ asbestos waste, complete Sections I, II and III

•	
2	2
ч	Г

 GENERATOR (Generato 	r completes la	a-r)									
a. Generator's US EPA ID Number	·	b. Manifest Docum	nent Number		c. Page	1 of					
d. Generator's Name and Location: Rheem Manufacturing Compar 139 Brampton Road Savannah, GA 31408	ny		e. Generator's Mailing Add A&D Environmer 4943 Austin Parl Buford, GA 3051	ital Servic CAVENUE	es, LLC						
f. Phone: If owner of the generating facility differs from	m the generator.	provide:	g. Phone:								
h. Owner's Name:		•	i. Owner's Phone No.:								
j. Waste Profile #	k. Exp. Date		Shipping Name and m. Containers n. Total o. Unit								
		Description		No.	Туре	Quantity	₩t∕Vol				
31101420787	Non-Regulated Soil Dump										
GENERATOR'S CERTIFICATION: I heret state law, has been properly described, cla waste is a treatment residue of a previousl been treated in accordance with the requir	assified and packa by restricted hazar	aged, and is in prop rdous waste subject	er condition for transportation to the Land Disposal Restri	on accordinations. I ce	ng to applied	cable regulation varrant that the	s; AND, if this				
WALL GHZZO	4	Win	(n) Agent Fireen		12/1	ily	:				
⁹ p. Generator Authorized Agent Name (Prin II. TRANSPORTER (Gener		. Signature	annadas annalatas IIs		r. Date						
a. Transporter's Name and Address: B&N Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		32		·····							
c. Driver Name (Print)	d. Sign	ature (1)	ditto	e. Date	liy						
III. DESTINATION (Generate	or complete III	la-c and Destina	ation Site completes III	d-g)							
a. Disposal Facility and Site Address:		c. US EPA Nun	nber d. Discrepancy Indic	ation Spac	e:						
Savannah Regional Industria 84 Cliffon Blvd b. Port Wentworth, GA 31407	912.964.2812										
I hereby certify that the above named mate	erial has been ac	cepted and to the b	est of my knowledge the for	egoing is t	rue and ac	curate.					
				12	- 11	/1 (
e. Name of Authorized Agent (Print)	f. Signa			g. Date							
a. Operator's Name and Address:	completes IVa	a-f and Operator	c. Responsible Agency Na	me and A	ddress:						
b. Phone:			d. Phone:								
e. Special Handling Instructions and Addit	ional Information:										
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the	riable contents of this con d, and are in all res	% Non-Friable signment are fully and accur pects in proper condition for	rately desc transport	ribed abov	ve by the proper to applicable in	r shipping name ternational and				
g. Operator's Name and Title (Print)	h. Sign		agging the fealth half a	i. Date		ol on Ab	ition or				
*Operator refers to the company which ow renovation operation or both	ms, leases, opera	nes, controls, or sup	ervises the facility being der	monsned 0	renovate	a, or the demol	IUON OF				

SITE SAVANNAH REGIONAL LANDFILL TICKET # CELL 01 84 CLIFTON BLVD 943561 PORT WENTWORTH, GA WEIGHMASTER 912-964-2812 CUSTOMER Susan D 100014 DATE/TIME OUT 12-11-2014 VEHICLE A & D Environmental Services, LLC 12-11-2014 CONTAINER 9:18 am 1741 Calks Ferry Rd. Lexington, SC 29073 NE-5308 REFERENCE 2204004 INVOICE 31101420787 BILL OF LADING SCALE IN GROSS WEIGHT 72,900 NET TONS 22.75 SCALE OUT

TARE WEIGHT 27,400 NET WEIGHT 45,500 INBOUND QTY. UNIT DESCRIPTION 22.75 RATE EXTENSION ΞA TAX TOTAL FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 20.00 ΥD 22.75 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.

TENDERED
CHANGE
CHECK#

NET AMOUNT

2/21

RS-FG42UPR (07:12)



2204004

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\hbox{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	а-г)										
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number	c. Pag								
N/A			1									
d. Generator's Name and Location: Rheem Manufacturing Compa	IRV		e. Generator's Mailing Add	ress:								
139 Brampton Road	ın y		4943 Austin Park Avenue									
Savannah, GA 31408			Buford, GA 30518									
f. Phone:			g. Phone:									
If owner of the generating facility differs fr	om the generator,	provide:										
h. Owner's Name:	I to Form Date	1 Masta Ship	i. Owner's Phone No.:	m. Containers	La Total	o. Unit						
j. Waste Profile #	k. Exp. Date	Description	ping Name and	No. Type								
				1,750		Wt/Vol						
	1	11 B	ledad Sall	a	ĺ							
31101420787		Non-Regu	iated Soli	Dump	1 7	ons						
			· · · · · · · · · · · · · · · · · · ·	 	<u>'</u>	010						
				1 1	1	1 1						
						1						
						1						
						1 1						
GENERATOR'S CERTIFICATION: I here	hy certify that the	above named mate	rial is not a hazardous waste	as defined by 40	CFR 261 or any a	policable						
state law, has been properly described, o												
waste is a treatment residue of a previous	sly restricted haza	rdous waste subject	to the Land Disposal Restric	ctions. I certify and	warrant that the v							
been treated in accordance with the requ	irements of 40 CF	R 268 and is no long	ger a hazardous waste as de	efined by 40 CFR	261.							
HUI GAZZO		VAIF IN	nal Aspector Gac	1204 12	he py							
p. Generator Authorized Agent Name (Pr	int)	a. Signature	THE THE THE THE	r. Date								
			concetor completes lle		·							
II. TRANSPORTER (Gene	rator complete	es lia-d and Trai	isporter completes lic-	e)								
a. Transporter Name and Address:												
1027 Bacon Road Hinesville, GA 31313		300										
912.412.2402	>	305										
b. Phone:				·····								
V 3-51 600/1	5 = X	1.11		12/1/14								
c. Driver Name (Print)	1/Sig	osturo /		e. Date								
III. DESTINATION (General			ation Site completes III									
	itoi compiete i					····						
a. Disposal Facility and Site Address:		c. US EPA Nun	nber d. Discrepancy Indica	ation Space:								
Savannah Regional Industr	iai Landiii											
84 Ciffon Bivd Port Wertworth, GA 31407	912.964.2812											
D												
I hereby certify that the above named ma	iterial has been a	cepted and to the b	est of my knowledge the fore	egoing is true and	accurate.							
\mathcal{N}				1.7.1	1-161							
e. Name of Authorized Agent (Print)	f. Sign	ature	***	g. Date	1- (
IV. ASBESTOS (Generator			complete IVa-i)	1 3								
	Completes 14	a-i and Operator		ma and Address:								
a. Operator's Name and Address:			c. Responsible Agency Na	me and Address:								
}												
b. Phone:			d. Phone:									
e. Special Handling Instructions and Add	litional Information):										
f. ☐ Friable ☐ Non-Friable ☐ Bot	h %1	Friable	% Non-Friable									
OPERATOR'S CERTIFICATION: I hereb				rately described at	ove by the proper	shipping name.						
and are classified, packaged, marked an												
national governmental regulations.												
g. Operator's Name and Title (Print)	h Sig	nature		i. Date								
*Operator refers to the company which o			pervises the facility being de		ated, or the demol	tion 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 67,540

SITE	TICKET #	CELL	
01	943562		
WEIGHM	ASTER		
Susar	n D.		
DATE/TI		DATE/TIME OUT	
12-1	1-2014 9:20 am	12-11-2014	9:20 am
VEHICLE		CONTAINER	3.65
BN-22	2	į	
REFERE 22040	NCE		
22040	105	INI	OICE
BILL OF	LADING		

NET TONS 23.03 SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 46,060

INBOUND QTY. UNIT DESCRIPTION RATE EXTENSION TAX 23.03 ĒΑ FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 20.00

TOTAL CY 23.03 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 termy The undersigned individual signing this document on benail or customer acknowledges that he or she has the authority to sign this document on behalf of the customer 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#

RS-F042UPR (07/12)



2204005

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator	or completes in											
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number	c. Page	1 of	i						
N/A		<u> </u>		<u>,ll</u>	1							
d. Generator's Name and Location:			e. Generator's Mailing Add									
Rheem Manufacturing Compa	iny		A&D Environmental Services, LLC 4943 Austin Park Avenue									
139 Brampton Road			Buford, GA 30518									
Savannah, GA 31408 f. Phone:			g. Phone:									
If owner of the generating facility differs fr	om the generator.	provide:	3									
women of the generaling identity different	om alo gonorator,	, p . 0				[
h. Owner's Name:			i. Owner's Phone No.:									
j. Waste Profile #	k. Exp. Date		ping Name and	m. Containers	n. Total	o. Unit						
		Description		No. Type	Quantity	Wt/Vol						
					1	1 1						
31101420787		Non-Regu	lated Soli	Dump		1 1						
31101425707		No	1] -]	Т	chs						
					1	1						
					1	1 1						
			***		<u> </u>							
]										
]]]								
					i							
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous wast	e as defined by 40 (FR 261 or any a	pplicable						
state law, has been properly described, c	lassified and pack	raged, and is in prop	er condition for transportation	on according to appl	icable regulations	; AND, if this						
waste is a treatment residue of a previous	sly restricted haza	irdous waste subject	to the Land Disposal Restri	ctions. I certify and	warrant that the v	vaste has						
been treated in accordance with the requ	irements of 40 CF	R 266 and is no lon	ger a hazardous waste as d	efined by 40 CFR 20	51							
1/AUI 64770	1/	Lail So	CAS Agust For-bon	12	110/14							
	·-··		(15. 7) Ja . 10. C.C.	r. Date	7 7 7 7							
Vp. Generator Authorized Agent Name (Pr		a. Signature										
II. TRANSPORTER (Gene	erator complete	es lia-to and I rai	nsporter completes lic-	·e)		·						
a. Transporter's Name and Address:												
1027 Bacon Road			,									
Hinesville, GA 31313		BN 22										
b./Phone: 912.412.2402		1).4				i						
15/1-10/2 1:111		1000 D.	A NOW	V 10 1 10 1	***************************************							
1 - 1/2/KOV 1 -7/10		Yullex	alux	X ILIVITY								
c. Driver Name (Print)	d. Sigi	nature		e. Date								
III. DESTINATION (General	tor complete I	lla-c and Destina	ation Site completes III	ld-g)								
a. Disposal Facility and Site Address:	<u> </u>	c. US EPA Nur										
		3.32 2. 33										
Savannah Regional Industr	iai Lanoriii											
Port Wentworth GA 31407	912.964.2812	1										
D												
I hereby certify that the above named ma	iterial has been ac	ccepted and to the b	est of my knowledge the for									
. ())		シンプ		1 1 - 1	1-161							
e. Name of Authorized Agent (Print)	f. Sign	ature		g. Date								
IV. ASBESTOS (Generator			complete IVa-i)	1 A. J. J. J. J. J. J. J. J. J. J. J. J. J.								
	Completes 1v	a-i and Operator										
a. Operator's Name and Address:			c. Responsible Agency Na	ime and Address:								
b. Phone:			d. Phone:									
e. Special Handling Instructions and Add	itional Information	n:										
						·····						
f. Friable Non-Friable Botl		Friable	% Non-Friable		 	_1.1						
OPERATOR'S CERTIFICATION: I hereb	y declare that the	contents of this con	signment are fully and accu	rately described abo	ve by the proper	snipping name,						
and are classified, packaged, marked an national governmental regulations.	u iapeied/placard	eu, and are in all fes	hears in blober cougings to	uansport according	io applicable into	ernauonar and						
reading governmental regulations.				T								
g. Operator's Name and Title (Print)		nature		i. Date								
*Operator refers to the company which o	wns, leases, cper	ates, controls, or su	pervises the facility being de	molished or renovat	ed, or the demoli	tion or						
renovation operation or both												

The undersigned individual signing this docur	SITE PORT WENTWORTH, GA CUSTOMER PORT WENTWORTH, GA 100014 A b DENVIRONMENTAL SETVICES, LLC 10015 1741 Calks Ferry Rd. Lexington, SC Lexington, SC 29073 1741 GROSS WEIGHT 31101420787 SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SCALE OUT SOIL 25.00 TN SW-CONT SOIL ENVIRONMENTAL FEE 5 ENVIRONMENTAL FEE 5 ENVIRONMENTAL FEE
The undersigned individual signing this document on behalf of sign this document on behalf of the customer sign that the or site has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that has the authority to sign this document on behalf of the customer significant that he or significant this document on behalf of the customer significant that he or significant this document on behalf of the customer significant this document on behalf of the customer significant this document on behalf of the customer significant this document on behalf of the customer significant this document significant significant significant significant significant signi	ILLC ILLC ILLC ILLC ILLC ILLC ILLC ICHT 23,780 CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION
TENDERED CHANGE CHECK®	OATETIME OUT 9:38 AIT CONTAINER INVOICE INVOICE TAX TAX TOTAL HET AMOUNT



2204006

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\hbox{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	r completes la	a-r)							
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page				
N/A		<u></u>	La Annocenta Marie Cara	1		1			
d. Generator's Name and Location: Rineem Manufacturing Compa- 139 Brampton Road Savannah, GA 31408	пу		e. Generator's Mailing Add A&D Environmen 4943 Austin Pari Buford, GA 3051	k Avenue	s, LLC				
f. Phone:			g. Phone:						
If owner of the generating facility differs from	om the generator,	provide:							
h, Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date		oping Name and		Containers n. Total o.				
		Description		No.	Туре	Quantity	Wt/Vol		
31101420787		Non-Regu	ulated Soli	Dur	пр		Tons		
			- 						
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	assified and pack ly restricted haza	aged, and is in prop rdous waste subjec	per condition for transportation to the Land Disposal Restr	on according ictions. I cer	to appli tify and v	cable regulation varrant that the	is; AND, if this		
PAUL GAZZU	1	1.1000	(18 agul Freber		12/1				
p. Generator Authorized Agent Name (Pri	nt)	3. Signature	() (3 No 1, 05 3. 1	(114.42)	r. Date				
II. TRANSPORTER (Gene			nsporter completes ilc	ام-					
a. Transporter & Hamenand Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	3K	29							
Jim Dovir	TX:	Bal		12/11/14					
c. Driver Name (Print)	d. Sigr	eture		e. Date					
III. DESTINATION (General	or complete I	lla-c and Destin	ation Site completes II	ld-a)					
a. Disposal Facility and Site Address:		c. US EPA Nui			:				
Savannah Regional Industri 84 Clifton Blvd Port Wentworth, GA 31407	al Landfill 912.964.2812			·					
b									
I hereby certify that the above named mai	terial nas been ac	Yehren aug to rug t	rest of my knowledge the for	egoing is tru	R RUO S	1: /			
				11-	·]]	-/4			
e. Name of Authorized Agent (Print)	f. Sign			g. Date					
IV. ASBESTOS (Generator	completes IVa	a-r and Operator							
a. Operator's Name and Address:		1	c. Responsible Agency Na	ame and Add	dress:				
b. Phone:			d. Phone:						
e. Special Handling Instructions and Addi	tional Information	•							
		• • • • • • • • • • • • • • • • • • • •	Mr. A.S						
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the								
g. Operator's Name and Title (Print)	h. Sigi			i. Date					
*Operator refers to the company which over renovation operation or both	vns, leases, open	ates, controls, or su	pervises the facility being de	molished or	renovate	ed, or the demo	lition or		



2204007

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	-r)									
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number c. Page 1 of								
N/A			T- 6			1					
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	any		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue								
Savannah, GA 31408 f. Phone:			Buford, GA 30518 g. Phone:								
If owner of the generating facility differs fr	rom the generator, r	orovide.	g. rnone:								
h. Owner's Name:	om are generator, p	,	i Oursela Phone No.								
j. Waste Profile #	k. Exp. Date	I. Waste Shir	i. Owner's Phone No. pping Name and		ntainers	n. Total	o. Unit				
		Description		No.	Туре	Quantity	Wt/Vol				
31101420787		Non-Regu	lated Soil	1 01	тр		Tons				
		ĺ]						
GENERATOR'S CERTIFICATION: I here	by certify that the a	above named mate	rial is not a hazardous	waste as define	d by 40 C	FR 261 or any	applicable				
state law, has been properly described, cl waste is a treatment residue of a previous	lassified and packa	ged, and is in prop	er condition for transpo	riation accordin	an to annli	cable regulation	e AND if this				
been treated in accordance with the requi	irements of 40 CFR	268 and is no lon	ger a hazardous waste	as defined by 4	0 CFR 26	varrant mat me i1.	waste nas				
4 JALL GAZTU	Wa	al line	As Agent For loo.	reas he	12/	10/4					
b. Generator Authorized Agent Name (Pri		Signatiure			r. Date						
II. TRANSPORTER (Gene	rator completes	s ile-b and Tran	nsporter completes	lc-e)							
a. Transporter's Name and Address: 92.0 Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		BN 90	οl								
V 1/	15. 7.										
c. Driver Name (Print)	d. Signa	· L. Sed	~	1 V III	IY.						
III. DESTINATION (General	tor complete Illa	a-c and Destina	ation Site complete	es IIId-g)							
a. Disposal Facility and Site Address:		c. US EPA Num	nber d. Discrepancy l	Indication Spac	e:						
Savannah Regional Industri 84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812										
I hereby certify that the above named ma	lerial has been acco	epted and to the b	est of my knowledge the	e foregoino is tr	ue and ac	curate					
					2	1-1-1					
e. Name of Authorized Agent (Print)	f. Signati	ure	<u></u>	g. Date		1 10-1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
IV. ASBESTOS (Generator			complete IVa-i)	1 g. Date							
a. Operator's Name and Address:			c. Responsible Agenc	y Name and Ad	ldress:						
		1									
b. Phone:			d. Phone:								
e. Special Handling Instructions and Addit	tional Information:		d. Fhone.	-							
f. Friable Non-Friable Both	% Fria	able	% Non-Friable								
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	/ declare that the co I labeled/placarded,	ontents of this cons , and are in all resp	signment are fully and a pects in proper condition	accurately description for transport a	ribed abov according	e by the proper to applicable int	shipping name emational and				
g. Operator's Name and Title (Print)	h. Signa	ture		i. Date							
*Operator refers to the company which ow renovation operation or both	vns, leases, operate	es, controls, or sup	ervises the facility being	g demolished o	r renovate	d, or the demoli	tion or				

148488	SAVANNAH REGIONAL LANDFILL WEIGHMASTER	PORT WENTWORTH, GA 912-964-2812 SUSAID DATE/INE IN DATE/INE OUT 9:57 all	12-11-7014	A 6 Bryironmental Services, LLC BN-32 BN-32 A 6 BN-32			IN GROSS WEIGHT 64,080 NET TONS 20.04 INBOUND	ANE MEJOH:		FEE-HAUL/TRANS/TRUCK	TO SW-CONT SOIL CHATHAM COUNTY REGION	 FUEL RECOVERT FEE		NET AMOUNT	TENDERED	CHANGE CHAIR	The undersigned individual signing this document on behalf of Customer acknowledges that he or she has reed and undersigned individual signing this document on behalf of the customer.	The call that or she had the danken of the d
- · · · · · · · · · · · · · · · · · · ·	SA		CUSTOMER 100012	D Enviror	ington, St	31101420787	SCALE IN	SCALE OF	UNIT		C Z	1.00 FI	 	 			The undersigned	

RS-F042UPR (07/12)



2204008

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato				<u>-</u>			
a. Generator's US EPA ID Number N/A		b. Manifest Docum			c. Page 1	of 1	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Add Add Environmen 4943 Austin Part Buford, GA 3051 g. Phone:	IX AVENUE	пc		
If owner of the generating facility differs from	om the generator, p	provide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	pping Name and	m. Contair		n. Total Quantity	o. Unit Wt/Vol
					175-	Muditury	******
31101420787		Non-Regul	ulated Soil	Dump	,	To	ne
						:	
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, clawaste is a treatment residue of a previous been treated in accordance with the requirement of the state of th	iassined and packag	gea, and is in propi	per condition for transportation	on according to	o applicab	ble regulations; /	AAID 16 46.1-
AUL GAZZI	1-	MASAL	As Agent For Gar	-EA16.2)	12/10/	Try	
b. Generator Authorized Agent Name (Prin		Signature/		ſ.	. Date		
II. TRANSPORTER (Gener a. Transporter Narpanand Address:	rator completes	, lla-b' and Tran	nsporter completes lic-	<u>e)</u>			
1027 Bacon Road Hinesville, GA 31313 912.412.2402	BN3	2/					
c. Driver Name (Print)	d. Signati		ittle.	12/ ii/l	ý		
III. DESTINATION (Generate			ation Site completes III	ld-a)			
a. Disposal Facility and Site Address:		c. US EPA Numi					
Savarnah Regional Industria 84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812						
I hereby certify that the above named mate	erial has been acce	pted and to the be	ast of my knowledge the fore	going is true ?	and accur	rate.	
		D-2		13-1	$\prod \cdot \rfloor$ (u	
e. Name of Authorized Agent (Print)	f. Signatu	Ire		g. Date	<u></u>	1	
IV. ASBESTOS (Generator of a. Operator's Name and Address:	completes IVa-f		c. Responsible Agency Nam	me and Addre	ss:		
b. Phone:							
e. Special Handling Instructions and Addition	onal Information:		d. Phone:				
f. ☐ Friable ☐ Non-Friable ☐ Both	% Friat	ıhla	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and I national governmental regulations.	declare that the con	ntents of this consi	ignment are fully and secure	itely described transport acco	d above by	y the proper shi	ipping name lational and
		 -					
g. Operator's Name and Title (Print)	h. Signatu	ure		i. Date			
*Operator refers to the company which own renovation operation or both	is, leases, operates	i, controls, or supe	rvises the facility being dem	clished or ren	ovated, o	r the demolition	or

|--|

2721

RS-F042UPR (07/12)



2204009

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes la	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page	1 of	
N/A d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	ıny		e. Generator's Mailing A&D Environ	i Address: Imental Servic Park Avenue	es, LLC	1	
Savannah, GA 31408			Buford, GA 3				
f. Phone: If owner of the generating facility differs from	om the generator.	nnvide:	g. Phone:				
h. Owner's Name:	one general ,	provide.					
j. Waste Profile #	k. Exp. Date	I. Waste Shir	i. Owner's Phone No.: oping Name and		ntainers	T - Talel	- 11-14
	=	Description	ping Hame end	No.	Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regul	lated Soli	1Di	итр		Toss
	l						1000
	i						
	 						
	l				İ	1	
	ĺ						
GENERATOR'S CERTIFICATION: I hereby state law, has been properly described, clawaste is a treatment residue of a previously been treated in accordance with the requirement.	desined and packs	ayeu, and is in propi	er condition for transport	tation accordin	ng to applic	icable regulation	
PAUL CAZZO	1/	1					
p. Generator Authorized Agent Name (Prin	nt) /q	. Signalute	ik Agentro. bu		r. Date	10 /14	
II. TRANSPORTER (Gener	rator complete	s lla b and Trar	sporter completes	C-9)	r. Date		
Ban Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		N22					
c. Driver Name (Print)	d. Signa	MONE	X CUTION	1214	14		
III. DESTINATION (Generate			tion Site completes	e. Date			
a. Disposal Facility and Site Address:	Ji Complete in	c. US EPA Num					
Savannah Regional Industrial 84 Cliffon Bivd	ol Landfill 912.964.2812		d. Discrepancy inc	neation Space	3:		
I hereby certify that the above named mate		rented and to the he	et of my knowledge the	f-version in A-			
		apren and to me po	St Of my Knowieuge the I	oregoing is un	Te sug ac	curate.	
e. Name of Authorized Agent (Print)	f. Signat	tura			<u> </u>	-14	
IV. ASBESTOS (Generator c			complete (Va-i)	g. Date			
a. Operator's Name and Address:			c. Responsible Agency t	Name and Add	dress:		-
		1					
b. Phone: e. Special Handling Instructions and Addition	-11.4		d. Phone:				
e. Special rianding instructions and Addition	onal Information:						
f. ☐ Friable ☐ Non-Friable ☐ Both	W Fai						
OPERATOR'S CERTIFICATION: I hereby cand are classified, packaged, marked and lanational governmental regulations.	% Fria declare that the co labeled/placarded.	ontents of this consi	% Non-Friable gnment are fully and accects in proper condition for the second se	curately descri	bed above ccording t	a by the proper o applicable into	shipping name emational and
g. Operator's Name and Title (Print) *Operator refers to the company which own	h. Signal	ture		i. Date			
*Operator refers to the company which own renovation operation or both	15, leases, operate	3s, controls, or super	rvises the facility being d	lemolished or	renovated	, or the demolit	ion or

CUSTOMER 100014 A & D En 1741 Cal Lexingto 31101420 31101420 3CA SCA 24.66 EP 20.00 YL 24.66 TN 1.00 1.00		84 CLIFTON BLVD	WEIGHMASTER	-			
100014 A & D Envir 1741 Calks Lexington, 31101420787 31101420787 SCALE SCALE 20.00 YD 24.66 EA F 1.00 F 1.00 F			SUSAD D.		DAT	DATE/TIME OUT	
1741 Ca Lexingt 3110142 SC SC SC 24.66 F 1.00 1.00	INTEG	mental Services, LLC	12-11-2014 VEHICLE NF-5209	- 1	10:20 am 12-	12-11-2014 CONTAINER	10:20 am
3110142 SC, SC, SC, 20.00 1.00 1.00	ilks Fe on, SC	174i Calks Ferry Rd. Lexington, SC 29073	REFERENCE 2204010			JANI	INVOICE
	0787		BILL OF LADING	9			
9, 0, 9, 0, 0	SCALE IN SCALE OUT	GROSS WEIGHT 76,720 TARE WEIGHT 27,400	NET TONS	24.66		INBOUND	
	T T	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
	EA FEE	FEE-HAUL/TRANS/TRUCK CHATHAM C	CHATHAM COUNTY REGION				
	- 	SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	CHATHAM COUNTY REGION				
	· · · · · · · · · · · · · · · · · · ·						
	1						NET AMOUNT
							TENDERED
The unde on the re	orsigned indi verse side a	The undersigned individual signing this document on behalf of Customer acknowledges that he or sice has road and understands the Lagrans and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the custodier.	hat he or she has read and to	ndorstande ib <u>o to</u> 1	rms and condition		CHANGE

•

RS-F042UPR (07:12)

12/2



2204010

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

-	
22	
ਲਾ	

I. GENERATOR (Generate	or completes la	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page		:
N/A						1	<u></u>
d. Generator's Name and Location: Rheem Manufacturing Compa	īuĀ		e. Generator's Mailing Add	iress: Ital Service	s, LLC		
139 Brampton Road	•		4943 Austin Pari				
Savannah, GA 31408			Buford, GA 3051	8			
f. Phone:	1b		g. Phone:				
If owner of the generating facility differs from	om the generator,	provide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		pping Name and	m. Con		n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787	1	Non-Regu	_	Di	mp		_ [_
			1			1	Tons
				T		Τ	
				1		1	
				1		 	
						İ	
						1	I
GENERATOR'S CERTIFICATION: I here	aby certify that the	above named mate	erial is not a hazardous wast	e as define	1 by 40 C	FR 261 or any (annlicable
i state law, has been properly described, cl	lassified and pack	aged, and is in prop	er condition for transportation	on according	o to appli	cable regulations	s: AND if this
waste is a treatment residue of a previous	sly restricted hazar	rdous waste subject	to the Land Disposal Restri	ictions. I ce	rtify and v	warrant that the	waste has
been treated in accordance with the requi	rements of 40 Cr	R 2018 and is no ion	ger a hazardous waste as d	efined by 4	0 CFR 26	<u>i1. </u>	
MAUL COHEZO	1/	101 SM	Ol His night forbenis	is hat	12/	10/14	
p. Generator Authorized Agent Name (Pri	int) /c	. Signature			r. Date		
II. TRANSPORTER (Gene			nsporter completes lic-	رم.	·		
a. Transporter & Name and Address:	Tarian a de la compania del compania del compania de la compania del la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania della compania	<u> </u>		<u> </u>			
1027 Bacon Road		กลา	0				
Hinesville, GA 31313		530	<u> </u>				
b. Phone: 912.412.2402		1 5/					
X 557 / 5/20		11110		1.17/11	11/		
1 - Ett - MON'I)	K J 1	Copy //	82/12m)	116711	14		
d. Driver Name (Print)	/d.81g/		/	e. Date			
III. DESTINATION (General	tor complete II						
a. Disposal Facility and Site Address:		c. US EPA Nun	nber d. Discrepancy Indica	ation Space	9:		
Savannah Regional Industri	ial Landfill						
84 Clifton Blvd	040 004 0040	1					
b. Port Wentworth, GA 31407	912.964.2812						
I hereby certify that the above named mal	terial has been ad	pepted and to the b	est of my knowledge the fore	egoing is tr	ue and ac	curate.	
	•	18.7 /]].		11-16	
e. Name of Authorized Agent (Print)	f. Signa	ature		g. Date		11 /	
IV. ASBESTOS (Generator			complete IVa-iV	y. 500			***************************************
a. Operator's Name and Address:	Odinpiotod 11 d	- and operate.		Ad	4		
a. Operator s marile and Address.		Ī	c. Responsible Agency Na	me and Au	aress:		
		1					
		1	: = .				
b. Phone: e. Special Handling Instructions and Additional	itional Information		d. Phone:			·	
e. Special nationing menucions and noun	donai mormacon.						
f. ☐ Friable ☐ Non-Friable ☐ Both	% F	riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby	/ declare that the	contents of this cons	signment are fully and accur	ately descr	bed abov	e by the proper	shipping name
and are classified, packaged, marked and national governmental regulations.	/ labeled/placarue	d, and are in all resp	pects in proper condition for	transport a	ccording	to applicable into	emational and
3				T			,
				<u> </u>			
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date			
*Operator refers to the company which ow renovation operation or both	ms, leases, opera	ites, controls, or sup	ervises the facility being der	molished or	renovate	d, or the demoin	tion or

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 68,820 NET TONS

SITE TICKET #	CELL
01 943587	
VEIGHMASTER	
Susan D.	
DATE/TIME IN	DATE/TIME OUT
12-11-2014 10:32 am	12-11-2014 10:32 am
VEHICLE	CONTAINER
3N-29	
REFERENCE 2204012	INVOICE
2204012	INVOICE

7	SCALE SCALE	71	WEIGHT WEIGHT	68,820 23,780	NET TONS NET WEIGHT	22.52 45,040		INBOUND	
>	1000			DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
22.52		FEE-HAUL/TRANS	7/TRUCK	CHATHAM	COUNTY REGION				
25.00 22.52 1.00 1.00	TN	SW-CONT SOIL ENVIRONMENTAL FUEL RECOVERY		СНАТНАМ	COUNTY REGION				
1								1	NET AMOUNT

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has road 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.

TENDERED

CHECK



2204012

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or comp	letes la-r)							
a. Generator's US EPA ID Number N/A	•		Manifest Docum	ment Number			c. Page	1 of 1	
d. Generator's Name and Location: Rheem Manusacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	iny			e. Generator's Mail A&D Env 4943 Aus Buford, G g. Phone:	tin Park	Avenue	:5, LLC		
If owner of the generating facility differs fr	om the ge	enerator, pro	vide:						
h. Owner's Name:				i. Owner's Phone N	lo.:				
j. Waste Profile #	k. Exp.	Date	I. Waste Ship	ping Name and		m. Con		n. Total	o. Unit
	 		Description			No.	Туре	Quantity	Wt/Vol
31101420787			Non-Regu	lated Soli	1	Di	тр		Tons
								ļ	
									i
GENERATOR S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	assmed a dv restrict	no packaged ed hazardou	t, and is in prop is waste subject	er condition for transport to the Land Disposal	portatio: Restric	n accordin	g to applic	able regulation	A & IPS - 15 A & 1-
12 AUL 677770		Kal	1 // /	get Firbeream			11/3/	les	
p. Generator Authorized Agent Name (Pri	nt)	9. 510	Mature	got for Gellan	70/		r. Ďate	7	
II. TRANSPORTER (Gene	rator co			sporter complete	es IIc-e	3)	T. Date		
a. Transportagie Nacening d Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402 b. Phone:		,	_	1 9					
X Jim Pour		X	then			X 11	2)11/11	1	
c. Driver Name (Print) III. DESTINATION (General		d. Signature	B	4ia - 0i4		e. Date			
III. DESTINATION (General a. Disposal Facility and Site Address:	Or COTAL		c. US EPA Num						
Savannah Regional Industri 84 Clifton Bird Port Wentworth, GA 31407		4.2812	C. OS EFA NUII	d. Discrepancy	y indica	uon Space	:		
I hereby certify that the above named mat	erial has l	een accepte	ed and to the be	est of my knowledge t	he fore	going is tn	e and ac	curate.	
	1	1				1-7	. 11 .	L	
e. Name of Authorized Agent (Print)		f. Signature				g. Date		1	
IV. ASBESTOS (Generator				complete IVg-i)		3			
a. Operator's Name and Address:				c. Responsible Agen	су Мап	ne and Add	ress:		
b. Phone:			I	d Dhann					
e. Special Handling Instructions and Addit	ional Infor	mation:		d. Phone:				···	
f. Friable Non-Friable Both		% Friable	9	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare ti labeled/p	hat the conte	ents of this cons	innment are fully and	accuration for t	tely descri ransport a	bed above coording to	e by the proper o applicable int	shipping name temational and
g. Operator's Name and Title (Print) *Operator refers to the company which ow	ne locaci	h. Signature	oonleele e	mines At - F- Will I		i. Date			
*Operator refers to the company which ow renovation operation or both	113, ICUSES	s, operates, (controls, or supe	ervises the facility bei	ng dem	olished or	renovated	I, or the demoli	tion or

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

2/21

SITE	TICKET #	CELL
01	943588	
WEIGHM		
Susa	n 1	
DATE/TI	ME IN	DATE/TIME OUT
12-1	1-2014 10:40 am	12-11-2014 10:40 am
VEHICLE		CONTAINER
BN-7	0.2	
REFERE	NCE	· · · · · · · · · · · · · · · · · · ·
2204	013	INVOICE
BILL OF	LADING	

SCALE IN GROSS WEIGHT 62,960 NET TONS 13.16 SCALE OUT TARE WEIGHT 26,640 36,320 NET WEIGHT

	SCALI	2 001	TARE	WEIGHT	26,640	NET WEIGHT	36,320		INBOUND	
OTY.	UNIT			Ð	ESCRIPTION		RATE	EXTENSION	TAX	TOTAL
18.16 20.00	;	FEE-HAUI	L/TRANS	/TRUCK	CHATHAM	COUNTY REGION				
18.16 1.00 1.00	TN	SW-CONT ENVIRONM FUEL REC	MENTAL		CHATHAM	COUNTY REGION				
										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.

1. Brone 3

TENDERED CHANGE

CHECK#



2204013

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

GENERATOR (Generato	or completes la-	r)					
a. Generator's US EPA ID Number	1	b. Manifest Docur	ment Number		c. Page 1	1 06	
N/A					U. Fage	101	
d. Generator's Name and Location: Rheem Manufacturing Compar			e. Generator's Mailing	no Address:			
139 Brampton Road	лу		A&D Enviro	onmental Servic	es, LLC		
Savannah, GA 31408			4943 Austin	n Park Avenue	-		
f. Phone:			Buford, GA g. Phone:	. 30518			
If owner of the generating facility differs fro	om the generator, pr	rouide:	g. mone:				
l e	an are goneres., p.	Ovide.					
h. Owner's Name:			i. Owner's Phone No.:	••			
j. Waste Profile #	k. Exp. Date	I. Waste Shir	pping Name and		ntainers	- T-tol	1 . 11-21
		Description		No.	Type	n. Total Quantity	o. Unit Wt/Vol
l I					1	Worney	440.40
31101420787		Non-Bagir	of the second contract of the second		1 1		İ
		Non-Regu	lated Soil		итр		
				1			Tons
l j		1					
l I				'	1		l
		ļ		1 /	1		
		+			 		
					1 1		1
1		1		1 /	1		ł
CENEDATOD'S CEDTIFICATION: I book			<u></u> -	1 1	1		l
GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, clar	y certify that the abr	ove named mater	rial is not a hazardous v	waste as define	d by 40 CF	Q 261 or any	applicable
Waste is a treatment residue of a proviously	a rootsisted because	p. op.	or congrect for fratishot	MISSION SCCORDING	ig to applical	able regulation	se AND, if this
waste is a treatment residue of a previously been reated in accordance with the require	/ restricted riazarduc	US Waste subject	to the Land Disposal Re	estrictions. I ce	rtify and wa	mant that the	waste has
	Illenia di 40 di 72	go and is no long	jer a hazardous waste a	as defined by 40	0 ĆFR 261.	·	Truesy
1 466 CAZZO	VIta	I lout A	5 Age For Course	\T	- 1 - 1	.,	
p. Generator Authorized Agent Name (Print	n V q. S	gnerure	•		12/10/11	<u>/</u>	
II. TRANSPORTER (General	otor completes !	HI L and Tros			r. Date		
a. Transporter's Name and Address:	TO COMPIGES I	Me-D and Itali	sporter completes	llc-e)			
B&N Trucking							
1027 Bacon Road		0	•				
Hinesville, GA 31313 h. Phone: 912.412.2402		ムルナ	07				
b. Phone: 912.412.2402		BN7					
King Russia		13		1.7 (.1			
c. Driver Name (Print)	//	Knmy		ווען אן	11/14		
	d. Signature	e ~/		e. Date			
III. DESTINATION (Generator	r complete illa-c	and Destina	tion Site completes	~ fild_d)			
a. Disposal Facility and Site Address:		c. US EPA Numb	has d Disconnects	3 Hiu-g)			
Savannah Regional Industrial		U. UU E. 17	ber d. Discrepancy Inc	idication Space:	:		
84 Cillion Bivd	Landin		ļ				
b. Port Wentworth, GA 31407	912.964.2812						
		<u> </u>					
I hereby certify that the above named materi	al has been accept	ed and to the ber	st of my knowledge the	foregoing is tru	e and accu	rato	
		$\mathcal{N} \supset \mathcal{N}$		113	177	GIG.	
e. Name of Authorized Agent (Print)	f. Signature	لائر		172	11-1		
	1. Signature			g. Date			
	mpletes Iva-i ar	nd Operator c	complete IVg-i)				
a. Operator's Name and Address:			c. Responsible Agency I	Name and Add			
			A cooperion of Garage	Italiio and roo.	ress.		
		1					
b. Phone:		ŀ					
e. Special Handling Instructions and Addition	and Informations		d. Phone:				
and a property of the second o	ai information.						
f. Friable Non-Friable Both	% Friable	<u> </u>	% Non-Friable				_
OPERATOR'S CERTIFICATION: I hereby do	colore that the contr	- 4 6 44 1		-4-t, decade			
and are classified, packaged, marked and lat national governmental regulations.	beled/placarded, an	id are in all respe	innelli are fully and accident	curately describ	ed above b	y the proper s	shipping name
national governmental regulations.		-	ora in brobar condition is	or transport acr	cording to a	pplicable inter	mational and
g. Operator's Name and Title (Print)							
Operator refers to the company which owns	h. Signature	,		i. Date			
*Operator refers to the company which owns, renovation operation or both	, leases, operates, c	controls, or super-	vises the facility being d	demolished or m	anovated, c	r the demolitic	20.00
energial operation of both					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	I die cemona	JII OI

aii TOTAL 10:42 INVOICE | DATE/TIME OUT | 12-11-2014 | CONTAINER INBOUND TAX GEL EXTENSION ᄪ 0:42 тскет # 943589 39,620 19.81 RATE 12-11-2014 vehicle BN-32 REFERENCE SITE TICKET

C.1

WEIGHMASTER BILL OF LADING SUSAD D. CHATHAM COUNTY REGION CHATHAM COUNTY REGION NET WEIGHT NET TONS SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD ENTWORTH, GA 912-964-2812 24,000 63,620 DESCRIPTION 100014
A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 GROSS WEIGHT WEIGHT FEE-HAUL/TRANS/TRUCK S 334 334 TARE SW-CONT SOIL ENVIRONMENTAL FUEL RECOVERY FOR 84 (PORT WENTWORTH, OUT NI 31101420787 SCALE SCALE Y D TN LIND 19.81 0.00 19.81 1.00 CUSTOMER SITE

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.

TENDERED

CHANGE CHECK*

SIGNATIRE

4. 104.12.110



2204014

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

	Ł
22	•
w	

I. GENERATOR (Generate	or completes I	<u> / </u>					
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ment Number	c. Page 1 of			
d. Generator's Name and Location: Rheem Manufacturing Company 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Address: AMD Environmental Services, LLC 4943 Austin Park Avenue Butord, GA 30518				
If owner of the generating facility differs fr	om the generator.	provide:	g. Phone:				
h. Owner's Name:		•					
i. Waste Profile #	k. Exp. Date	I Waste Shin	i. Owner's Phone No.:	T m Cor	ntainers	T =	
,	K. CAP. Date	Description	ping rame and	No.	Type	n. Total Quantity	o. Unit Wt/Vol
31101420787		Non-Regu	lated Soil	Dı	mp		Tone
CENEDATODIO CEDTIFICATION							
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	dssilled and pack	aged, and is in prop	er condition for transportation	on accordin	g to applic	able regulation	
1/11/6/1270	<i>F</i>	col factor	ISAGE- FOR GENERA	102.	12/18	14	
p. Generator Authorized Agent Name (Pri		. Signature			r. Date		
II. TRANSPORTER (General Address Name and Address Name an	rator complete	<u>s lla-b and Trar</u>	nsporter completes lic-	-e)			
1027 Bacon Road	31/32-						
c. Driver Name (Print)	d. Sign:	Clarica	Little	12/11	liy		
III. DESTINATION (Generat			tion City completes III	e. Date			
a. Disposal Facility and Site Address:	or complete in	c. US EPA Num	ber d. Discrepancy Indica				
Savannah Regional Industria 84 Clifton Blvd Port Wentworth, GA 31407	912.964.2812		d. Discrepancy indica	auon apace			
I hereby certify that the above named mate	erial has been acc	cepted and to the be	est of my knowledge the fore	egoing is to	e and acc	curate	
				1	11 -	TCI	
e. Name of Authorized Agent (Print)	f. Signa	ture		g. Date			
IV. ASBESTOS (Generator of	completes IVa-	-f and Operator	complete (Va-i)	. g. Dato			
a. Operator's Name and Address:			c. Responsible Agency Nat	me and Add	iress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Additi	onal Information:						
f. Friable Non-Friable Both	% Fr	iable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the c labeled/placarded	ontents of this cons	company are fully and annual	ately descri transport ac	bed above cording to	by the proper applicable into	shipping name emational and
g. Operator's Name and Title (Print)	h. Signa	ature		i. Date			
*Operator refers to the company which own	ns, leases, operate	es, controls, or supe	ervises the facility being den	nolished or	renovated	, or the demolit	ion or
renovation operation or both							

10:45 INVOICE 12-11-2014 container CELL 10:45 SITE TICKET # 01 5590 WEIGHMASTER Susan D.
Daterira in
12-11-2014
VEHICLE
BN-22
REFERENCE 2204015 BILL OF LADING 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 F 1408 CUSTOLIER SITE

ar

	TOTAL								NET AMOUNT
INBOUND	TAX							 	
H	EXTENSION								
21.75 43,50C	RATE					 		 	
NET TONS		CHATHAM COUNTY REGION	CHATHAM COUNTY REGION						
64,980 21,480	DESCRIPTION	CHATHAM	CHATHAM						
GROSS WEIGHT TARE WEIGHT	30	FEE-HAUL/TRANS/TRUCK	SW-CONT SOIL	ENVIRONMENTAL FEE 5	FUEL RECOVERY FEE				
SCALE IN SCALE OUT	ш			ENAT	FUEL	 	· · · · · - ·	 	
SCA	OTY. UNIT	21.75 EA 20.00 YD		1.00	9.	 		 	7

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and on the reverse side and that he or she has the authority to sign this document on behalf of the customed.

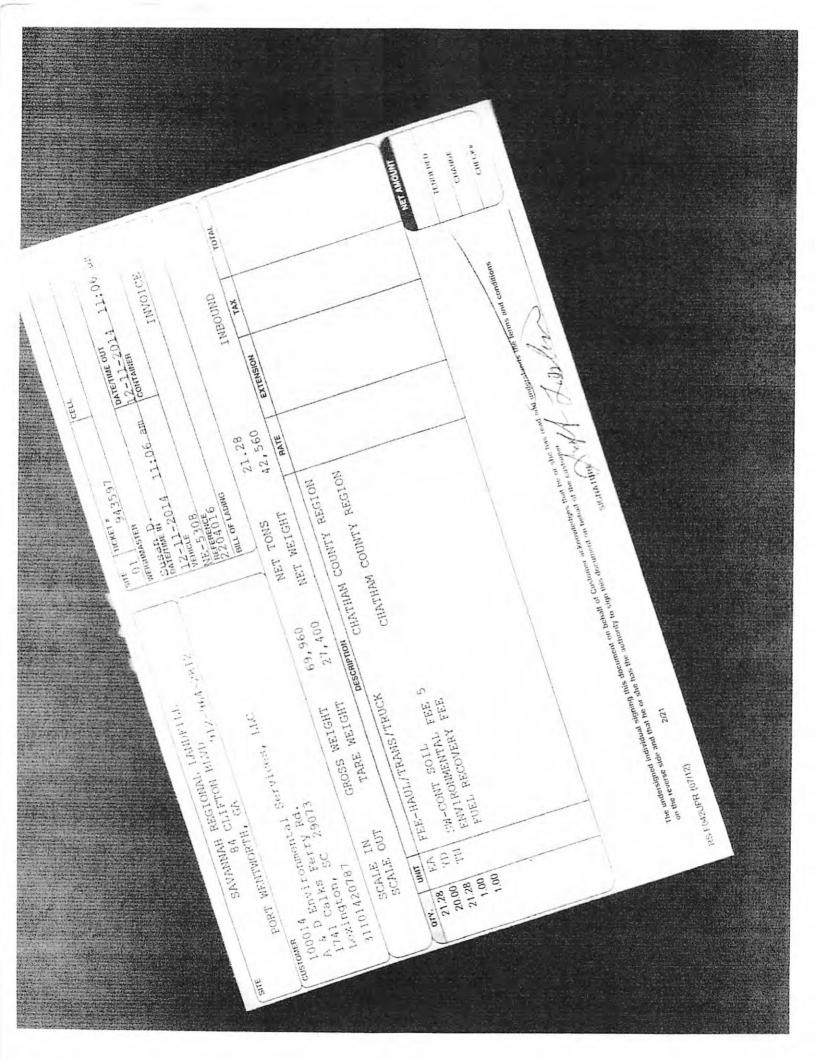
TENDERED CHANGE CHECK#



2204015

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)						
a. Generator's US EPA ID Number	•	b. Manifest Docu	ment Number		c. Page	1 of		
N/A			1					
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	пу		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue					
Savannah, GA 31408			Buford, GA 30518					
If owner of the generating facility differs fro	om the generator,	provide:	g. Phone:					
h. Owner's Name:			i Oumanda St					
j. Waste Profile #	k. Exp. Date	I Waste Shir	i. Owner's Phone No.: pping Name and		-1			
	Descript			No.	ntainers Type	n. Total Quantity	o. Unit Wt/Vol	
1				110.	1,700	Quantity	440.401	
31101420787		Non-Regu	lated Soil	, n	mp			
				1	p	Tons		
		İ						
GENERATOR'S CERTIFICATION: I hereby state law, has been properly described, cla	y certify that the	above named mate	rial is not a hazardous w	vaste as define	d by 40 C	ED 261 or on:	annii anhia	
state law, has been properly described, cla waste is a treatment residue of a previous	ssified and packa	iged, and is in prop	er condition for transpor	tation according	g to applic	cable regulation	applicable is: AND. if this	
waste is a treatment residue of a previously been treated in accordance with the require	ements of 40 CFF	dous waste subject 2,268 and is no long	to the Land Disposal Re	estrictions. I ce	rtify and v	varrant that the	waste has	
PAUL GAZZO	17							
p. Generator Authorized Agent Name (Prin		Signature HS	Agent for Gence	Ato 2	12/1	114		
II. TRANSPORTER (Gener	ator complete	Sigueture		_	r. Date			
a. Transporter's Name and Address:	ator complete:	s na-b and Tran	sporter completes	IIc-e)				
B&N Trucking 1027 Bacon Road			. 1 .	\sim				
Hinesville, GA 31313			\mathcal{X}					
b. Phone: 912.412.2402				UØ				
N'STREVEN LIT	1001	MARIO		112/	1.7			
c. Driver Name (Print)	d. Signa	thura		1011	1/14			
III. DESTINATION (Generate			tion Site completes	e. Date				
a. Disposal Facility and Site Address:	o complete int	c. US EPA Num						
Savannah Regional Industrial	I andOH	0.0027710	d. Discrepancy in	dication Space) :			
84 Cillion Blyd	Loneilli							
b. Port Wentworth, GA 31407	912.964.2812							
I hereby certify that the above named mate	rial has been acci	epted and to the be	st of my knowledge the	foregoing is tn	e and acc	curate.		
		$A \supset$		13	. -	11		
e. Name of Authorized Agent (Print)	f. Signat			g. Date		1 - /		
IV. ASBESTOS (Generator c	ompletes IVa-	f and Operator	complete IVg-i)					
a. Operator's Name and Address:			c. Responsible Agency	Name and Add	iress:			
1. 8%								
b. Phone: e. Special Handling Instructions and Additto			d. Phone:					
Poolar riending manuchons and Addition	iniormation:							
€								
f. Friable Non-Friable Both	% Fria	able	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and la national governmental regulations.	abeled/placarded.	ntents or this consi and are in all respo	gament are fully and accepts in proper condition (curately descri	bed above	by the proper	shipping name	
national governmental regulations.			p. spor conducti i	or nanaput at	idiilg ((applicable inte	nauonai and	
g. Operator's Name and Title (Print)	h. Signat	ture		i. Date				
*Operator refers to the company which own: renovation operation or both	s, leases, operate	s, controls, or supe	rvises the facility being o	demolished or	renovated	, or the demoliti	ion or	

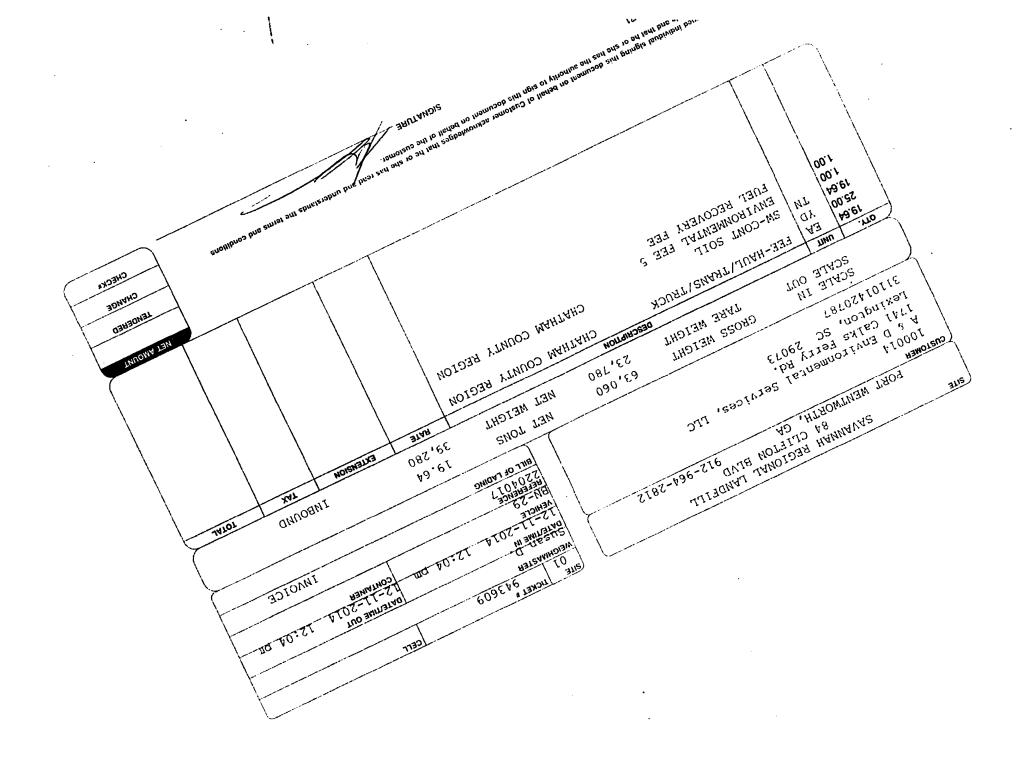




2204016

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\hbox{NOT}}$ asbestos waste, complete Sections I, II and III

 GENERATOR (Generate 	or completes la	a-r)					
a. Generator's US EPA ID Number N/A		b. Manifest Docum	ment Number		c. Page	1 of 1	
d. Generator's Name and Location: Rineem Manufacturing Company 139 Brampton Road Savannah, GA 31408			e. Generalors Majung Address Services, LLC 4943 Austin Park Avenue Buford, GA 30518				
f. Phone:			g. Phone:	·			
If owner of the generating facility differs fr	om the generator,	provide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and	m. Con		n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	ilated Soil	Du	m p		Tons
						1	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	lassified and pack slv restricted hazar	aged, and is in prop rdous waste sublect	er condition for transportation to the Land Disposal Restri	on accordin	g to applicatify and v	cable regulation	e AND if this
1/AVL CAZZO		al Inn)	AS AGENT E. GENERAL	louz)	12/10	liv	
p. Generator Authorized Agent Name (Pri	p. Generator Authorized Agent Name (Print) / q. Signature			, <u>v. c.</u>	r. Date		
II. TRANSPORTER (Gene	rator complete	s Ila-b and Trar	nsporter completes lic-	-e)			
a. Transporter Nazzenand Address:		_					
1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		5308					
c. Driver Name (Print)	7 / / /	PX	aston	17/11	ly		
III. DESTINATION (General	d. Sign		otion Cita completes III	e. Date			
a. Disposal Facility and Site Address:	or complete in	c. US EPA Num					
Savannah Regional Industri 84 Clifton Bivd Port Wentworth, GA 31407	al Landfiil 912.964.2812	0. 30 21 7.114.11	d. Discrepancy muco	auon Space	•		
I hereby certify that the above named ma	erial has been ac	cepted and to the be	est of my knowledge the fore	egoing is to	ue and ac	curate	
(X)		(1))	1	7	1 14	· · · · · · · · · · · · · · · · · · ·
e. Name of Authorized Agent (Print)	f. Signa	iture		g. Date	·	1-1	
IV. ASBESTOS (Generator			complete (Va-i)	y. Date	······································		
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addit	tonal Information:						
f. ☐ Friable ☐ Non-Friable ☐ Both		riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the declared that	contents of this cons d, and are in all resp	signment are fully and accura sects in proper condition for	ately descri transport a	ibed abov ccording	e by the proper to applicable into	shipping name emational and
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date		·	
*Operator refers to the company which ow renovation operation or both	ıns, leases, opera	tes, controls, or sup	ervises the facility being den	nolished or	renovate	d, or the demoli	tion or





2204017

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

	ø	4	L	
2	Ľ		5	
1	Я	F	7	

I. GENERATOR (Generate	or completes is	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page	1 of	
N/A		ļ				1	
d. Generator's Name and Location: Rheem Manufacturing Compa	INA		e. Generator's Mailing Add A&D Environmen	dress:	se) C		
139 Brampton Road	,,,,		4943 Austin Pari		:0, LLG		
Savannah, GA 31408			Buford, GA 30S1	8			
f. Phone: If owner of the generating facility differs fr	om the generator	provide:	g. Phone:				
	om me generator,	, provide.					
h. Owner's Name:	I t. E D	I Manage Chia	i. Owner's Phone No.:	1 - 0-	A-1		
j. Waste Profile #	k. Exp. Date	Description	ping Name and	M. Gor	tainers Type	n. Total Quantity	o. Unit Wt/Vcl
				1	1,700	Quantity	14440
31101420787		Non Post	tod Call	, n			i i
3110142070		Non-Regu	ialeu Soii	יטנ	mp	l т	ons
					L	·	1
		j					
						İ	
							-
		İ					
		1					1
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous wast	e as define	d by 40 C	FR 261 or any a	pplicable
state law, has been properly described, c	lassified and pack	aged, and is in prop	er condition for transportation	on accordin	g to appli	cable regulations	; AND, if this
waste is a treatment residue of a previous been treated in accordance with the requi	restricted haza rements of 40 CF	rdous waste subject R 268 and is no lone	to the Land Disposal Kesth der a hazardous waste as di	ctions. I ce efined by 4	rury and v 0 CFR 26	varrant that the w 1	aste has
2 /		71 11 /	,		re lie		
p. Generator Authorized Agent Name (Pri	int) /	. Signature	HS BGC. AFR - GENCE	ALUZ S	r. Date		
II. TRANSPORTER (Gene			enorter completes lic-	ام	1. Date		
a. Transporter's Name and Address:	rator complete	so nayo ana mar	ioportor completes lic-	· · · ·			
1027 Bacon Road		2 16					
Hinesville, GA 31313		BN-29					
b. Phone: 912.412.2402		. ,					
X Jim Davis	X	//0		17	2/11/14	/	
c. Driver Name (Print)	d. Sig	alore		e. Date			
III. DESTINATION (Genera			ation Site completes III				
a. Disposal Facility and Site Address:	tor complete ii	c. US EPA Nun		•	9:		····
Savannah Regional Industri	al Landfill						
84 Clifton Blvd							
b. Port Wentworth, GA 31407	912.964.2812						
I hereby certify that the above named ma	terial has been ac	cepted and to the b	est of my knowledge the for	egoing is tr	ue and ac	curate.	
	1 ~	707		1 1) ·	1-11	
e. Name of Authorized Agent (Print)	î. Sign	ature		g. Date			
IV ASBESTOS (Generator	completes IVa	a-f and Operator	complete IVg-i)				
a. Operator's Name and Address:			c. Responsible Agency Na	me and Ad	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Add	itional Information	:					
f. ☐ Friable ☐ Non-Friable ☐ Both		riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereb and are classified, packaged, marked and							
national governmental regulations.	a renerenthiscatoe	.u, anu are in an res	in proper condition for	uansport a	awraing	o applicable inte	mauonai anu
g. Operator's Name and Title (Print)	h. Sigi	nature		i. Date			
*Operator refers to the company which or	wns, leases, opera	ales, controls, or sup	ervises the facility being de		r renovate	d, or the demolit	ion or
renovation operation or both							

CHANGE CHECKS



2204019

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

-	
22	
स	

I. GENERATOR (Generato	or completes	زla-r)							
a Generator's US EPA ID Number N/A		b. Ma	inifest Docur	ment Number		c. Page	a 1 of		
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	·			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:					
If owner of the generating facility differs from	om the generate	or, provide	e:						
h. Owner's Name:				i. Owner's Phone No.	.:				
j. Waste Profile #	k. Exp. Date		. Waste Ship Description	pping Name and		ntainers	n. Total	o. Unit Wt/Vol	
31101420787			Non-Regul	lated Soll	No.	Гуре цтр			
GENERATOR'S CERTIFICATION: I heret state law, has been properly described, clawaste is a treatment residue of a previous been treated in accordance with the requirements.	ly restricted here	chageu, an	no is in prope	er condition for transpor	rtation accordin	ng to applic	cable regulations	applicable s; AND, if this waste has	
TAUL GHZZO	V	Mey I	2012 (B	BASENT For bong	Inton)	12/10	1/14		
p. Generator Authorized Agent Name (Print II. TRANSPORTER (Generator Authorized Agent Name (Print III.)		q. Signati	ufer	V		r. Date			
II. TRANSPORTER (Gener a. Transporter's Name and Address:	ator complet	tes lia-b	and Iran	sporter completes	lic-e)				
98.N Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	530	18							
X-XH Lashinga		1.1	1 1		1/2	Inly			
c. Driver Name (Print)		gnature			e Date				
a. Disposal Facility and Site Address:	or complete i								
Savannah Regional Industrial 84 Cillion Bivd Port Wentworth, GA 31407	912.964.2812	2	IS EPA Numb						
I hereby certify that the above named mate	inai nas peen ar	ccepted ar	nd to the ber	st of my knowledge the	foregoing is tn	se and acr			
e. Name of Authorized Agent (Print)	- 1:2		<u>>~</u>)			
IV. ASBESTOS (Generator c	f. Sign		Oppositor		g. Date			·····	
a. Operator's Name and Address:	Outheres 145	d-1 anu v		c. Responsible Agency	Name and Add	dress:			
h Dhana.									
b. Phone: e. Special Handling Instructions and Addition	onal Information			d. Phone:					
		1.							
f. Friable Non-Friable Both	% F	Friable		% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and lanational governmental regulations.	declare that the	contents of	of this consid	coment are fully and an	curately descrit for transport as	bed above ccording to	by the proper so applicable inter	shipping name mational and	
a Operator's Name and Title (Driet)									
operator's Name and Title (Print) Operator refers to the company which own renovation operation or both	h. Sign ns, leases, opera	nature ates, contr	mis or supe	nrises the facility being	i. Date		4 4142 (IA)		
renovation operation or both	-,, -,	1100, 00110	ois, or super	wises the facility being	demonshed or	renovated	, or the demolitic	OF OF	

UND TOTAL	NET AMOUNT TENDERED CHANGE CHECK®
CELL DATETHME OUT 12-11-2014 CONTAINER INDOUND INBOUND TAX	Inc. Agams find copositions
STE FICKET P 943615 9436	ind copy and and understands the total be read and understands.
NET W NET W NET W ATHAM COUNT	Parameter that he
ONAL LANDFILL ONAL LANDFILL ON BLVD 912-96 vices, LLC vices, LLC ARE WEIGHT TAL FEE 5 ERY FEE	
EN TATE	
SITE POI CUSTOMEN 100014 1741 C 1741 C 1.20.00 20.00 20.00 1.00 1.00 1.00 1.00	

The undersigned individual signing this document on behalf of Customer acknowledges that he or sine nutherity to sign this document on behalf of the customes on the reverse side and that he or she has the nutherity to sign this document.

2121

RS-F012UPR (07112)



2204020

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

		ė		
7	,	Ľ	:	
ĕ	9	ľ		

I. GENERATOR (Generate	or completes I	а-г)					
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page		
N/A			1				
d. Generator's Name and Location: Rineem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	iny		e. Generator's Mailing Address Services, LLC 4943 Austin Park Avenue				
f. Phone:			Buford, GA 3051				
If owner of the generating facility differs fr	om the generator	, provide:	g. Phone:				
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Con	tainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
311014 2 0787		Non-Regu	lated Soll	Di	mp		
			1	1			Tone
	į						
						1	1
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous wast	e as define	d by 40 C	FR 261 or any	applicable
state law, has been properly described, c	lassified and pack	aged, and is in prop	er condition for transportation	on accordin	a to appli	cable regulation	ns: AND, if this
waste is a treatment residue of a previous	sly restricted haza	ırdous waste subiect	to the Land Disposal Restri	ictions. I ce	rtify and v	varrant that the	waste has
been treated in accordance with the requi	rements of 40 CF	K 268 and is no long	ger a hazardous waste as de	efined by 4			
VHUL 67270	1/	IN MAL	as Agent for General	toiz)	121	10/14	
Vp. Generator Authorized Agent Name (Pri	int) //	q. Signature	r. Date				
II. TRANSPORTER (Gene		es lla o and Trai	asporter completes Ilc-	-e)	· · · · · · · · · · · · · · · · · · ·		
a. Transporter Name and Address:							
1027 Bacon Road Hinesville, GA 31313 912.412.2402		BNZZ					
o. Friorie.	(IV /	1. 500	T) HAKE	1.7:	T		
c. Driver Name (Print)	d. Sign	nature		e. Date	11/14		
III. DESTINATION (Genera	tor complete I	lla-c and Destina	ation Site completes III	ld-g)			
a. Disposal Facility and Site Address:		c. US EPA Nun	nber d. Discrepancy Indic	ation Space	в:		
Savannah Regional Industri 84 Ciffon Bivd							
b. Port Wentworth, GA 31407	912.964.2812						
A hereby certify that the above named ma	terial has been a	scepted and to the b	est of my knowledge the for	egoing is tr	ue and ac	ccurate.	
1 DY	1 {~	Y Y		110	· · /	1 - 161	
e. Name of Authorized Agent (Print)	f. Sign	ature		g. Date		* 	
IV. ASBESTOS (Generator			complete (Va-i)				·
a. Operator's Name and Address:		a rand operator	c. Responsible Agency Na	me and Ad	dress.	· · · · · · · · · · · · · · · · · · ·	
			e. Hoopensisie / geney / la	ano ano m			
h Dhana			d Dhana				
b. Phone e. Special Handling Instructions and Add	itional Information	·	d. Phone:				
c. opecial Harlowing metractions and Add	moriai miormattui	•					
f. Triable Non-Friable Both	n % l	riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereb	y declare that the	contents of this con	signment are fully and accur				
and are classified, packaged, marked and national governmental regulations.	d labeled/placarde	ed, and are in all res	pects in proper condition for	transport a	according	to applicable in	nternational and
	ļ						
g. Operator's Name and Title (Print)	h. Sig	nature		i. Date			
*Operator refers to the company which or	wns, leases, oper	ates, controls, or sup	pervises the facility being de		r renovate	ed, or the demo	lition or
renovation operation or both							

12:23 DIL 101CE 101CE	NET AMOUNT TENDERED CHANGE CHECK9
DATETHAE OUT 12-11-2014 CONTAINER INBOUND INBOUND	the torms and conditions
SITE TICKET 943616 01 943616 02 943616 SAUSAIN-ID 12:23 DM 12-11-2014 12:23 DM 12-11-201	he or she has lead and understands the terms and conditions
NET NET NET NET NET NET NET NET NET NET	
GIONAL LANDF11.L GIONAL LANDF11.L GETON BLVD 912-96 GETVICES, LLC TARE WEIGHT TARE WEIGHT TRANS/TRUCK SOIL ENTAL FEE 5 OVERY FEE	
SITE SAVANNAH REGIS BORT WENTWORTH, GA 100014 100014 10014 10014 10014 SCALE IN SCALE IN SCALE OUT TA 1000 TO 1000 TO TO TO TO TO TO TO TO TO	· ·

The undersigned individual signing this document on behalf of Customer acknowledges that he or she hat.

The undersigned individual signing this document on behalf of the customer.

On the reverse side and that he or she has the authority to sign this document on behalf of the customer.

223

RS-F042UPR (07/12)



2204021

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	tor completes la-r))						
a. Generator's US EPA ID Number		. Manifest Docur	ment Number					
N/A			mont lanunat		c. Page	∋ 1 of		
d. Generator's Name and Location: Rheem Manufacturing Comp. 139 Brampton Road Savannah, GA 31408	any		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue					
f. Phone:			Buford, GA 305 g. Phone:	518				
If owner of the generating facility differs for	rom the generator, pro-	vide:						
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Shir	pping Name and	m Cor	ntainers			
		Description	wing raine and	No.	Type	n. Total Quantity	o. Unit	
I				1	1750	Quantity	Wt/Vol	
31101420787		Non-Regul	ling hatch	J 5.				
			1	Du Du	mp		-1-	
	'					+	Tons	
	!							
!	1							
				+		 		
!	!					1		
	1	1						
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl	by certify that the abov	ve named mater	nal is not a hazardous was	12 52 dalina	*** ***			
state law, has been properly described, cl. waste is a treatment residue of a previous	assified and packaged	, and is in propr	Br condition for transportati	ion according	J by 40 C	FR 261 or any a	applicable	
waste is a treatment residue of a previous been treated in accordance with the require	ily restricted hazardous	waste subject	to the Land Disposal Restr	rictions. I cer	tify and w	anant that the	S; ANU, II INIS waste has	
\	Terrients of 40 CFR 200	1.7	ci a nazardous waste as o	genned by 40) ĆFR 26	1.		
PHUL GH 270	14/11	1hoix	SAGENT FOR benine	2462)	12/5			
p. Generator Authorized Agent Name (Prin	nt) /q. Sign	TIADRUNA		-	r. Date	1.7		
II. TRANSPORTER (General Address:	rator completes lid	-b and Tran	sporter completes lic	٠-۵١	1. 00.0			
a. Transporter's Name and Address:			<u> </u>	<u></u>				
1027 Bacon Road		_	_					
Hinesville, GA 31313		Bn.	27 .					
b. Phone: 912.412.2402		<u>_</u>	:) •					
X. Clarent Littles			1-414	W 121				
c. Driver Name (Print)	d. Signature	Thomas C	XILLION _	<u> </u>	11/14			
III. DESTINATION (Generate	or complete Illa-c	and Doction	41 014	e. Date				
a. Disposal Facility and Site Address:								
		. US EPA Numb	d. Discrepancy Indica	ation Space:				
Savannah Regional Industria 84 Clitton Blvd	I Landill							
b. Port Wentworth, GA 31407	912.964,2812	-						
I hereby certify that the above named mate	erial has been accepted	d and to the her	of of my knowledge the for					
TX TX	1/2 3	7 and to die nee	st of my knowledge the fore	egoing is true	end acc	1 7		
a Nama of Authorized Authorized		<u> 2 - 1 - </u>		1 1 ,-	- I	1 - 16		
e. Name of Authorized Agent (Print)	f. Signature			g. Date				
V. ASBESTOS (Generator o	completes IVa-f and	d Operator c	complete IVg-i)					
a. Operator's Name and Address:		(c. Responsible Agency Nar	me and Add	ress:			
			• - •		.			
		1						
). Phone:			d. Phone:					
e. Special Handling Instructions and Addition	onal Information:							
☐ Friable ☐ Non-Friable ☐ Both	% Friable	C	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby out of are classified, packaged, marked and leading to the classified of the classifi	declare that the content	to of this sensi-		ately describ	od ahove	hy the owner s	Linning name	
and are classified, packaged, marked and lational governmental regulations.	abeled/placarded, and	are in all respe-	cts in proper condition for	transport acc	ording to	applicable inter	mational and	
Operator's Name and Title (Print)	h. Signature			i. Date				
Operator refers to the company which own enovation operation or both	is, leases, operates, co	introls, or super	vises the facility being den	nolished or re	enovated.	or the demolitic	OR OF	
chovation operation or both						or are demonat	311 01	

SINE SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL JANDFILL SAVANNAH REGIONAL Services, LLC PORT WEMTWORTH, GA A 41 Calks SC 2,9073 A 41 Calks SC 2,9073 A 41 Calks SC 2,9073 SCALE IN SCALE OUT SCALE OUT FEE-HAUL/TRANS/TRUCK SOM SHOUTRONNENTAL FEE SNUTRONNENTAL FEE SNUTRONNENTAL FEE SNUTRONNENTAL FEE FUEL RECOVERY FEE TN SULTRONNENTAL FEE FUEL RECOVERY FEE THE AND SHOW THE AND AND AND AND AND AND AND AND AND AND	
LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. LANDETLL. S. J. J. J. J. J. J. J. J. J. J. J. J. J.	
CHANGE CONTRAMED IN TOTAL LONG LETTENBOON INBOUND INBOUND TAX TAX CHANGE CHANGE CHANGE CHANGE CHECKS)



2204018

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes in	a-r)							
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number	**		c. Page	1 of 1		
d. Generator's Name and Location: Riteem Manufacturing Compa 139 Brampton Road	ıny		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue						
Savannah, GA 31408			1	GA 3051					
f. Phone:	. 45		g. Phone:						
If owner of the generating facility differs from	om the generator,	provide:							
h. Owner's Name:			i. Owner's Phone	No.:					
j. Waste Profile #	k. Exp. Date		pping Name and		m. Cont	ainers	n. Total	o. Unit	
		Description			No.	Туре	Quantity	Wt/Vol	
31101420787		Non-Regi	ulated Soli		Dur	πр	_		
				1			т	Tohs	
						*			
OF MEDITORIO OF DETICAL AND AND AND AND AND AND AND AND AND AND						i			
GENERATOR'S CERTIFICATION: I heret state law, has been properly described, cla waste is a treatment residue of a previousl been treated in accordance with the require	ly restricted hazas	ageu, anu is in prop	ser condition for tran	nsportation	n according	to applic	able regulations	pplicable ; AND, if this /aste has	
FALL 617270	1/	/	Jie ly mangel f						
p. Generator Authorized Agent Name (Prin	ot) fa	. Signature	א דיים און און	レーじてんに		17.11	3/14		
II. TRANSPORTER (Gener			neporter comple	too llo		r. Date			
a. Transporter is Name and Address:		J 114 D 4114 1141	isporter compre	ונכט ווניים	3)				
1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		PNJOS							
c. Driver Name (Print)	I.K.	Byn			12)1	, Jy			
	d. Signa				e. Date				
a. Disposal Facility and Site Address:	or complete illa								
Savannah Regional Industrial 84 Clifton Bird	i Landfill	c. US EPA Num	nber d. Discrepan	cy Indicat	ion Space:				
b. Port Wentworth, GA 31407	912.954.2812								
thereby cartify that the above named mate	erial has been acc	epted and to the br	est of my knowledge	e the forec	noina is truc	and acc	nirate		
		TO					diste.		
e. Name of Authorized Agent (Print)	f. Signat	hira -			100		- 1		
IV. ASBESTOS (Generator c			complete IVa-i)		g. Date				
a. Operator's Name and Address:	on protect 11 _	Tana Operato.	c. Responsible Age		ne and Addi	ess:			
b. Phone:		1	d. Phone:						
e. Special Handling Instructions and Addition	onal Information:		G. I HONG.						
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fria	iable	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and lineational governmental regulations.	declare that the co	ontents of this cons	ignment are fully as	nd accurat lition for tr	tely describ	ed above cording to	by the proper si applicable inter	hipping name national and	
g. Operator's Name and Title (Print)	h. Signa	ture			i. Date				
*Operator refers to the company which own renovation operation or both	is, leases, operate	s, controls, or supe	arvises the facility be	eing demo	olished or re	novated	, or the demolitio	n or	



2204022

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes if	.a-г)					
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ment Number		c. Page	e 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Rozo Savannah, GA 31408	my	-	e. Generator's Mailing Ac A&D Environme 4943 Austin Pa Buford, GA 305	ark Avenue	Pes, LLC	•	
f. Phone: If owner of the generating facility differs from	the conomics	and the state of t	g. Phone:				
	om the generator,	, provide:					
h. Owner's Name: j. Waste Profile #	Ti. Eva Data	I Mosto Shir	i. Owner's Phone No.:				
j. Tradia i rome #	k. Exp. Date	I. Waste Ship Description	pping Name and	m. Cor No.	ntainers Type	n. Total	o. Unit
				110.	Type	Quantity	Wt/Vol
31101420787	1	Non-Regul	ulated Soll		ump		
			1				Tons
,	1					†	
1	1					1	
							
	ł –	1					
Į.	1						
GENERATOR'S CERTIFICATION: I heret state law, has been properly described de	by certify that the	above named mate	rial is not a hazardous was	to se define	-d by 40 C	FD 261 05 20V	
state law, has been properly described, clawaste is a treatment residue of a previously	assified and packa	aged, and is in prop	er condition for transportati	ion accordir	ng to applic	cable regulation	applicable ns: AND, if this
waste is a treatment residue of a previousl been treated in accordance with the require							waste has
		12.11	,		1		
b. General Authorized Agent Name (Prin	- A	Signature	LAS AGENT For-bene	.24 ter)	12/1	0/14	
II. TRANSPORTER (Gener			lotoe lle		r. Date		
a. Transporter's Name and Address:	ator complete.	S ligru allu Tran	isporter completes lic-	<u>-e)</u>			
1027 Bacon Road		-					
Hinesviile, GA 31313 b. Shane: 912.412.2402			BN 29				
b. Phone: 912.412.2402			りいい				
X Jim Nous	X	-An-		W 121	111/4		
c. Driver Name (Print)	d. Signa			e Date			
III. DESTINATION (Generate	or complete Illi	a-c and Destina	ation Site completes II	ld-a)			
Disposal Facility and Site Address:		c. US EPA Numi			e:		
Savannah Regional Industrial	A Landfill						
84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812						
I hereby certify that the above named mate		contact and to the he		· · · · ·			
. X	Mai has occir	apian and to me po-	St of my knowledge trie fore	agoing is in	ue and acc	1 7 1	
e. Name of Authorized Agent (Print)	f. Signati	1		107	<u>• []</u>]	14	
IV. ASBESTOS (Generator c	completes (Va.	f and Operator	complete IV/a i)	g. Date			
a. Operator's Name and Address:	Ompictos .vc			A Ad			
			c. Responsible Agency Nar	me and Au	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addition	onal Information:						
f. Friable Non-Friable Both	% Frie	able	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and la national governmental regulations.	declare that the co labeled/placarded.	ontents of this const , and are in all response	gnment are fully and accurr ects in proper condition for	ately descri transport a	bed above ccording to	by the proper applicable into	shipping name emational and
g. Operator's Name and Title (Print)	h. Signat	atura		1.500			
*Operator refers to the company which own	is, leases, operate	es, controls, or supe	rvises the facility being der	I. Date molished or	renovated	or the demoli	tion or
renovation operation or both				101101.00 0.	1011012.00	, VI die dello	TOU OI

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 74,040

TICKET P CELL 01 943628 WEIGHMASTER Susan D DATE/TIME OUT 12-11-201 VEHICLE 12-11-2014 CONTAINER NE-5308 REFERENCE 2204023 INVOICE BILL OF LADING

	SCALE			NET TONS NET WEIGHT	23.32			
QTY.	UNIT		DESCRIPTION		.0,040		INBOUND	
23.32		FEE-HAUL/TRANS/TRUCK			RATE	EXTENSION	TAX	TOTAL
20.00	YD	i i i i i i i i i i i i i i i i i i i	CHATHAM	COUNTY REGION	!			
23.32 1.00 1.00		SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	СНАТНАМ	COUNTY REGION				
	ĺ							
1	- 1							
	i							

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands on the reverse side and that he or she has the authority to sign this document on behalf of the customer. the terms and conditions

NET AMOUNT

TENDERED

CHANGE

CHECK

2/21

RS-F042UPR (07:12)

SIGNATURE _



#

2204023

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docum	nent Number		c. Page	1 of	
N/A		1			. 1		
d. Generator's Name and Location: Rheem Manufacturing Compa	Inv		e. Generator's Mailing Add	dress:			
139 Brampton Road	,		A&D Environmen 4943 Austin Park	IIBI SENICE	26, LLC		
Savannah, GA 31408			Buford, GA 3051				
f. Phone:			g. Phone:	•			
If owner of the generating facility differs fr	om the generator,	provide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I Waste Shin	ping Name and	- Ca-	Aninan	·	
•	iii Exp. Dole	Description	Ping Name and	m. Con No.	Type	n. Total Quantity	o. Unit Wt/Vol
				:\\\	1,700	Guarinty	VVVVOI
31101420787							1
31101420767		Non-Regul	ated Soll	Dι	mp		
						T;	ohe
		İ					
		1					
				1 1			
		İ					
		}					1 1
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mater	ial is not a hazardous waste	as defined	by 40 C	FR 261 or any ar	policable
waste is a treatment residue of a previous been treated in accordance with the requi							aste has
	Cincils of 40 OF	A 290 april 15 110 long	er a nazardous waste as de	ned by 40		•	
PAUL GAZZO		PULL RASILA	Bacut For being at	2)	12/0	עוא	
p. Generator Authorized Agent Name (Prin		. Signature			r. Date		
II. TRANSPORTER (Gene	rator complete	s lla b and Tran	sporter completes lic-	e)			
a. Transporter's Name and Address:			The state of the s	<u> </u>			
1027 Bacon Road		- (
Hinesville, GA 31313		E302					
b. Phone: 912.412.2402		.) /					
V TOST /COS 2.	W	141		1/10	, ,		
1	Y	00 / J	Jackan)	X. 121	11/14		
c. Driver Name (Print)	/ T.a. Signi		700	e. Date			
III. DESTINATION (Generat	or complete III	a-c and Destina	tion Site completes Illo	d-g)			
a. Disposal Facility and Site Address:	7	c. US EPA Num	per d. Discrepancy Indica	tion Space	:		
Savannah Regional Industria	il Landfill	1		-			
84 Clifton Blvd	(
b. Port Wentworth, GA 31407	912.964.2812						İ
I hereby certify that the above named mate	erial has been acc	epted and to the be	st of my knowledge the fore	going is tru	e and acc	urate.	
	25/1	141		12	. 11	- 141	
e. Name of Authorized Agent (Print)	f. Signa	1110	10,000		- 11	- 1-1	
IV. ASBESTOS (Generator of			2221242 11/2 11	g. Date			
a. Operator's Name and Address:	ompietes iva-						
a. Operator's Name and Address:	-		c. Responsible Agency Nan	ne and Add	iress:		
		İ					
							1
b. Phone:			d. Phone:				1
e. Special Handling Instructions and Additi	onal information:						
							I
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fr	iable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby	declare that the c	ontents of this consi	noment are fully and accura	tely describ	ped above	by the proper s	nipping name
and are classified, packaged, marked and national governmental regulations.	labeled/placarded	l, and are in all respo	ects in proper condition for the	ransport ac	cording to	applicable inter	national and
g. Operator's Name and Title (Print)	h. Signa	ature		i. Date		**	
*Operator refers to the company which ow	ns, leases, operat	es, controls, or supe	rvises the facility being dem	olished or I	renovated	, or the demolitio	n or

SITE SAVANNAH REGIONAL LANDFILL SITE TICKET # CELL 84 CLIFTON BLVD _943629 WEIGHMASTER PORT WENTWORTH, GA 912-964-2812 CUSTOMER SUSAN D 100014 DATE/TIME OUT 12-11-201 VEHICLE 2-11-2014 CONTAINER A & D Environmental Services, LLC 1741 Calks Ferry Rd. BN-22 REFERENCE 2204024 Lexington, SC 29073 INVOICE 31101420787 BILL OF LADING SCALE IN GRCSS WEIGHT 61,280 NET TONS 19.90 SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 39,800 INBOUND OTY. DESCRIPTION RATE EXTENSION 19.90 TAX ΕA TOTAL FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION 20.00 YD 19.90 TN SW-CONT SOIL CHATHAM COUNTY REGION 1.00 ENVIRONMENTAL FEE 5 1.00 FUEL RECOVERY FEE NET AMOUNT

SIGNATURE

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has feed and understands the term on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

2/21

RS-F542UPR (07/12)

TENDERED

CHANGE

CHECK*



2204024

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

-	
22	
ਲ	

I. GENERATOR (Generate	or completes la	a-r)				
a. Generator's US EPA ID Number N/A	D. Marinest Book				e 1 of 1	
139 Brampton Road Savannah, GA 31408 f. Phone:	Savannah, GA 31408					
If owner of the generating facility differs fr	om the generator,	provide:	g. Phone:			
h. Owner's Name:			i. Owner's Phone No.:			
j. Waste Profile #	k. Exp. Date		oping Name and	m. Containers	n. Total	o. Unit
		Description		No. Type	Quantity	Wt/Vol
31101420787		Non-Regu	tiated Soil	Dump	1	rons
CENEDATORIO OFFICIOATION						
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requirement.	assilied and packi ilv restricted hazar	ageo, ano is in prop dous waste subject	Per condition for transportation	n according to appl	icable regulations	
YAVI GAZZO	A	luf los	ASDG and For - bonco	102 1211·	VII	
b. Generator Authorized Agent Name (Prin		. Signature	9	r. Date		
II. TRANSPORTER (General Address of the Inches of the Inch	rator complete	s llaba and Trar	nsporter completes IIc-	e)		
a. Transportation National Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402		£	N 22			
C. Driver Name (Print)	d. Signa	Y. Y. C.	Helle-	X 2/11/1/	1	
III. DESTINATION (Generate			ation Site completes Ille			
a. Disposal Facility and Site Address:		c. US EPA Num				
Savannah Regional Industria 84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812					
I hereby certify that the above named mate	erial has been ace	epted and to the be	est of my knowledge the fore	going is true and a	curate.	
	. ($X \supset Z$			1-	
e. Name of Authorized Agent (Print)	f. Signal			g. Date		
IV. ASBESTOS (Generator of	completes IVa-	f and Operator	complete IVg-i)			
a. Operator's Name and Address:			c. Responsible Agency Nan	ne and Address:		
b. Phone:			4.0			
e. Special Handling Instructions and Additi	onal Information:		d. Phone:			
						
f. Friable Non-Friable Both	% Fri	able	% Non-Friable			
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the callabeled/placarded	ontents of this cons , and are in all resp	ignment are fully and server	itely described above ransport according	e by the proper s to applicable inte	shipping name, mational and
g. Operator's Name and Title (Print)	h. Signa	ture		i. Date		
*Operator refers to the company which own renovation operation or both	ns, leases, operate	es, controls, or supe	ervises the facility being dem	olished or renovate	d, or the demolitie	on or

The undersigned individual slip on the roverse side and that he		20.16 EA FEE-HAUL/TRANS 25.00 YD 20.16 TN SW-CONT SOIL 1.00 FUEL RECOVERY	, ,	7000104 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. Lexington, SC 29073	PORT V
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.		FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	GROSS WEIGHT 64,100 NET TONS TARE WEIGHT 23,780 NET WEIGHT		SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 912-964-2812 ENTWORTH, GA 912-964-2812 12-11-2014
and understands the terms and conditions CHECKS	NET AMOUNT		20.16 40,320 INBOUND RATE EXTENSION TAX TOTAL	INVOICE	043640 DATETIME OUT 12-11-2014 1:47 DE CONTAINER

2/21



2204025

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes i	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number				
N/A			mont Maillock		c. Pagi	e 1 of	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road	ny		e. Generator's Mailing A&D Enviro 4943 Austin	Address: nmental Servi Park Avenue	ces, LLC	1	
Savannah, GA 31408 f. Phone:			Buford, GA	30518			
If owner of the generating facility differs from	om the generator.	provide:	g. Phone:				
h. Owner's Name:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
j. Waste Profile #	k. Exp. Date	I Macta Chir	i. Owner's Phone No.: oping Name and				
	CAP. Date	Description	ping Name and	Mo.	ntainers	n. Total	o. Unit
				NO.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	lated Soll				
		-		1 0	qmp		Tons
							10(16
					1		
GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, cla	v certify that the	above named mate	dal is not a hazarda				
state law, has been properly described, cla waste is a treatment residue of a previously	ssified and packa	ged, and is in prop	er condition for transport	aste as define lation accordir	ed by 40 C	FR 261 or any a	ipplicable
waste is a treatment residue of a previously been treated in accordance with the require	y restricted hazard ements of 40 CFR	dous waste subject	to the Land Disposal Re	estrictions. I ce	ertify and w	arrant that the	waste has
AULGAZZO	1/	1//2	, a nazardous waste a	s delined by a	0 CFR 26	<u>1</u>	
p. Generator Authorized Agent Name (Prin	40	uf 3/1/1/45	Agent For General	zatoiz)	12/1	0/14	
II. TRANSPORTER (Gener	u j/q.	Signature			r. Date		
II. TRANSPORTER (General a. Transporter's Name and Address: Ban Trucking	ator completes	suna-o and Iran	sporter completes	llc-e)			
1027 Bacon Road			∩ ,a				
Hinesville, GA 31313 b. Phone: 912.412.2402			6N 29				
X Jim Caux	X	An	>	X al	uliý		
c. Driver Name (Print)	d. Signa	ture		2 524			
III. DESTINATION (Generato	r compléte Illa	a-c and Destina	tion Site completes	(lid-q)			
a. Disposal Facility and Site Address:		c. US EPA Num	per d. Discrepancy Inc	dication Space):		
Savannah Regional Industrial 84 Clifton Bivd	Landfill						
Port Wentworth, GA 31407	912.964.2812						
hereby certify that the above named mater	rial has been acce	epted and to the he	Stof mix knowledge the				
		X	at or my knowledge the i	oregoing is in	ie and acc	urate.	
. Name of Authorized Agent (Print)	f. Signatu	<u> </u>		11	<u> </u>		
V. ASBESTOS (Generator co	ompletes IVa-f	and Operator	complete IVe ii	g. Date			
Operator's Name and Address:							
		1 '	c. Responsible Agency I	vame and Add	ress:		
		1					
. Phone:			J. Phone:				
. Special Handling Instructions and Addition	nal Information:						
PERATOR'S CERTIFICATION LA	% Fria	ble	% Non-Friable				
PPERATOR'S CERTIFICATION: I bereby d and are classified, packaged, marked and la ational governmental regulations.	eclare that the co beled/placarded.			urately descritor transport ac	bed above cording to	by the proper s applicable inter	hipping name. national and
Operator's Name and Title (Print)	h. Signati	ure		i Data			
Operator refers to the company which owns enovation operation or both	, leases, operates	s, controls, or super	vises the facility being d	I I. Date emplished or i	enovated	Or the demolision	
Supragon oberation of pott		·	- Jones Comp		CHOTALOU,	or the demonition	on or

SITE SAVANNAH REGIONAL LANDFILL SITE TICKET # CELL 01 WEIGHMASTER 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 CUSTOMER SAYEARE IN DATE/TIME OUT 100014 12-11-2014 CONTAINER 12-11-2014 VEHICLE A & D Environmental Services, LLC 1741 Calks Ferry Rd. NE-5308 REFERENCE Lexington, SC 29073 2204026 INVOICE 31101420787 BILL OF LADING SCALE IN GROSS WEIGHT 72,220 NET TONS 22.41 SCALE OUT

TARE WEIGHT 27,400 NET WEIGHT 44,820 INBOUND QTY. UNIT DESCRIPTION RATE EXTENSION TAX TOTAL 22.41 ΞΑ 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

SIGNATURE X C

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.

TENDERED
CHANGE
CHECK#

NET AMOUNT

2/21

RS-F042UPR (07/12)



2204026

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

	#	
1	*	

I. GENERATOR (Generato	or completes la	i-r)					
a. Generator's US EPA ID Number	a. Generator's US EPA ID Number b. Manifest Doc				c. Page	1 of	
N/A			1				
d. Generator's Name and Location: Rheem Manufacturing Company			e. Generator's Mailing Address: A&D Environmental Services, LLC				
139 Brampton Road Savannah, GA 31408			4943 Austin Park Avenue				
f. Phone:			Buford, GA 30518 g. Phone:				
If owner of the generating facility differs fro	provide:	g. Filolie.					
h. Owner's Name:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
i. Waste Profile #	k. Exp. Date	I Waste Shir	i. Owner's Phone No.: oping Name and		-401-000	T _ # ,	
J. 1733.3 1 13.110 17	к. ехр. оач	Description	ping Name and	No.	ntainers Type	n. Total Quantity	o. Unit Wt/Vol
					1 :25-	deading	11010.
31101420787		Non-Regu	Non-Regulated Soll		цтр		
				1	1		Tons
						 	_
				1	İ		
					 		
)	j	J
GENERATOR'S CERTIFICATION: I hereb	by certify that the a	bove named mate	rial is not a hazardous v	vaste as define	d by 40 C	FR 261 or any	applicable
waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Postdelians. Land the subject to the Land Disposal Postdelians.							
been treated in accordance with the require	ements of 40 CFR	268 and is no long	ger a hazardous waste a	as defined by	10 CFR 26	/arrant that use i1.	waste has
p. Generator Authorized Agent Name (Prin	SAGUITOCHERCHON ICHINY						
		Signature	accorder completes	n\	r. Date		
II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) a. Transporter (Name and Address:							
1027 Bacon Road Hinesville, GA 31313 530 5							
b_Phone: 912.412.2402							
1 Straistinger Aget Localis X 17/1/14							
a Driver Date (Drive)							
III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g)							
a. Disposal Facility and Site Address: c. US EPA Number d. Discrepancy Indication Space: Savannah Regional Industrial Landfill							
! 84 CLITOR Bivd							
b. Port Wentworth, GA 31407	912.964.2812	/					
I hereby certify that the above named mate	rial has been acce	epted and to the be	est of my knowledge the	foregoing is to	ue and ac	curate.	
	(TT	7 1	1 141	
e. Name of Authorized Agent (Print)	f. Signatu	ura ,		g. Date			
IV. ASBESTOS (Generator c			complete (Vg-i)	1 9. 000			
a. Operator's Name and Address: c. Responsible Agency Name and Address:							
o. Nesponsible Agency Name and Address.							
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addition	onal Information:						
f. 🗆 Friable 🔲 Non-Friable 🔲 Both	% Fria	able	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and							
and are classified, packaged, marked and I national governmental regulations.	abeled/placarded.	and are in all resp	ects in proper condition	for transport a	occording t	o applicable int	temational and
- Constant Name and Title (Driet)							
g. Operator's Name and Title (Print) *Operator refers to the company which own	h. Signati	ure	cariosa the facility bains	i. Date			
*Operator refers 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 SITE TICKET # CELL SAVANNAH REGIONAL LANDFILL 01 WEIGHMASTER 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 CUSTOMER DATE TIME IN DATE/TIME OUT 100014 12-11-20 12-11-201 CONTAINER A & D Environmental Services, LLC BN-22 REFERENCE 2204027 1741 Calks Ferry Rd. Lexington, SC 29073 INVOICE BILL OF LADING 31101420787 SCALE IN GROSS WEIGHT 65,020 NET TONS 21.77 SCALE OUT TARE WEIGHT 21,480 43,540 NET WEIGHT INBOUND QTY. UNIT DESCRIPTION RATE EXTENSION TAX TOTAL

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.

SIGNATURE

CHANGE CHECK#

NET AMOUNT

TENDERED

FEE-HAUL/TRANS/TRUCK

ENVIRONMENTAL FEE 5

FUEL RECOVERY FEE

SW-CONT SOIL

21.77

20.00

21.77

1.00

1.00

EΑ

YD

TN



2204027

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)							
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	1 of			
N/A						1			
d. Generator's Name and Location: Rheem Manufacturing Compa	anv		e. Generator's Mailing Address: A&D Environmental Services, LLC						
139 Brampton Road	,		4943 Austin Park Avenue						
Savannah, GA 31408			Buford, GA 30518						
If owner of the generating facility differs fr	om the generator.	provide:	g. Phone:						
	J						,		
h. Owner's Name: i. Waste Profile #	k. Exp. Date	I Wasta Shir	i. Owner's Phone No.: oping Name and	l m Cor	ntainers	I - T-4-1	1104		
J. Trace Frome #	K. Lxp. Date	Description	pring Haine and	No.	Type	n. Total Quantity	o. Unit Wt/Val		
31101420787		Non-Regu	lated Soll		mp				
			1	1 34			Tons .		
					ł	ļ			
				1					
	<u> </u>								
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl	by certify that the	above named mate	erial is not a hazardous was	te as define	d by 40 C	FR 261 or any a	applicable		
waste is a treatment residue of a previous	sly restricted haza	rdous waste subject	t to the Land Disposal Rest	rictions. I ce	rtify and v	varrant that the	s; AND, il triis waste has		
been treated in accordance with the requi	irements of 40 CF	R 258 and is no lon	ger a hazardous waste as	defined by 4	0 CFR 26	1.			
HAVL GAZZO		Cal Gail AX	HALIT FOR GENERAL	0.42	12/10	114			
p. Generator Authorized Agent Name (Print) q. Signature r. Date									
II. TRANSPORTER (Generator completes la-b and Transporter completes lic-e)									
a. Transporter's Name and Address:									
Hinesville, GA 31313		1/2	N27						
b. Phone: 912.412.2402	1.7		W.C.	1 6		· · · · · · · · · · · · · · · · · · ·			
IX TO SPICE LANGE		M S FOR	Scall O	K la));;/;	4			
c. Driver Name (Print)	d. Sign			e. Date					
III. DESTINATION (General	tor complete li	la-c and Destin	ation Site completes I	lld-g)					
a. Disposal Facility and Site Address:		c. US EPA Nur	nber d. Discrepancy Indi	cation Spac	e:				
Savannah Regional Industri	iai Landfili								
84 Clifton Blvd	nan nea neatí								
b. Port Wentworth, GA 31407	912.964.2812	_1							
I hereby certify that the above named ma	renai ilas peau ac	Cepted and to the b	ast of this knowledge the to	Tegoing 13-T	ne aug so	curate.			
		$\mathcal{D}(-)$		1	2 1	1 -1-1			
e. Name of Authorized Agent (Print)	f. Signa			g. Date					
IV. ASBESTOS (Generator	completes IVa	i-r and Operator							
a. Operator's Name and Address:			c. Responsible Agency N	ame and Ad	idress:				
b. Phone;			d Dhana.						
e. Special Handling Instructions and Addi	tional Information		d. Phone:						
f. ☐ Friable ☐ Non-Friable ☐ Both	0/ E	riable	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby				rately desc	ribed abov	re by the proper	shipping name		
and are classified, packaged, marked and	d labeled/placarde	d, and are in all res	pects in proper condition fo	r transport	according	to applicable int	emational and		
national governmental regulations.	T T			Т					
g. Operator's Name and Title (Print) *Operator refers to the company which over	h. Sigr	nature	aniese the facility bains d	i. Date	r concusts	d or the domest	tion or		
renovation operation or both	mia, idases, upers	nes, controls, or su		anonareu 0	i renovate	o, or use demon	WOIT OI		

2:08 pm TOTAL INVOICE INBOUND 12-11-2014 CONTAINER ξ DATE/TIME OUT CELL EXTENSION 2:08 pm 35,480 17.74 0: 943646 WEIGHMASTER RATE TICKET # 12-11-2014 BN:-702 Reference 2204028 BILL OF LADING BAYETHIRE IN CHATHAM COUNTY REGION CHATHAM COUNTY REGION TONS NET WEIGHT SITE 日田呂 SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 26,640 62,120 DESCRIPTION 190014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 GROSS WEIGHT WEIGHT FEE-HAUL/TRANS/TRUCK រោ 3 3 5 TARE SW-CONT SOIL ENVIRONMENTAL : FUEL RECOVERY : NE OCT SCALE SCALE A C R FIS 17.74 20.00 17.74 1.00 1.00 CUSTOMER ē. SITE

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.

TENDERED CHANGE CHECK

SIGNATURE_

RS-F042UPR (07/12)



2204028

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	tor completes I	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	1 of	
N/A					J., age	1	1
d. Generator's Name and Location: Rineem Manufacturing Comp	any		e. Generator's Mailir	ng Address:	205 116		
139 Brampton Road	•		4943 Austi	in Park Avenue	reo, LLL		
Savannah, GA 31408 f. Phone:			Buford, GA	A 30518			
If owner of the generating facility differs f	rom the generates	222.142.	g. Phone:				
i	ioni de generator,	, provide:					
h. Owner's Name:			i. Owner's Phone No	o.:			
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pping Name and	m. Co	ntainers	n. Total	o. Unit
	 	Description		No.	Туре	Quantity	Wt/Vol
31101420787					1		İ
31101420702		Non-Regu	lated Soll		цmр		İ
				1			Tons
		İ					
				Ì			1
	İ				1		
GENERATOR'S CERTIFICATION: L boss	hu andifu that the						
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous	lassified and packa	above named mate aged, and is in nron	rial is not a hazardous	waste as define	ed by 40 C	FR 261 or any	applicable
waste is a treatment residue of a previous been treated in accordance with the requi	sly restricted hazar	dous waste subject	to the Land Disposal F	Restrictions. I c	ng to applic artify and w	able regulation	ns; AND, if this
been treated in accordance with the requi	irements of 40 CFF	3-268 and is no long	er a hazardous waste	as defined by	0 CFR 26	1.	waste flas
14/64276	1.7	led Enda		ne aittox)	12/1		
pl Generator Authorized Agent Name (Pri	nt) ja.	Signature			r. Date	- 17	
II. TRANSPORTER (Gene	rator completes	s lla-b and Tran	Sporter completes	: Ilo o)	1. Date		
a. Transporteris Name and Address:			eportor completes	3 IIC-E)			
1027 Bacon Road		0)	- 1				
Hinesville, GA 31313 912.412.2402		()	D L				
b. Phone: 512.412.2402		BN 7					
X Kenn Brans	IV L	1 12		X. I	2/11/4		
c. Driver Name (Print)	d. Signa	tura de la companya d	√		L 1111 /	····	
III. DESTINATION (Generate	or complete Illa	a-c and Dectina	tion Site complete	e. Date			
a. Disposal Facility and Site Address:	o. John proto inc	c. US EPA Num					
Savannah Regional Industria	al i andfili	C. CO LI A Ruin	ber d. Discrepancy I	indication Spac	9:		
84 Clifton Blyd	. —						
b. Port Wentworth, GA 31407	912.964.2812	J					
I hereby certify that the above named mat	erial has been acco	epted and to the be	st of my knowledge the	e foregoing is tr	ue and acc	rurato	
\mathcal{M}	1.	15		1	JO BING BOX	1 1/	
e. Name of Authorized Agent (Print)	f. Signati	Nino-			/ - 	<u> </u>	
IV. ASBESTOS (Generator	completes IVa-	f and Operator	nomplete IVe iV	g. Date		· · ·	
a. Operator's Name and Address:	oompictes iva-						
			c. Responsible Agency	y Name and Ad	dress:		
b. Phone:			d Dhans				
e. Special Handling Instructions and Additi	ional Information	<u>-</u>	d. Phone:				
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fria	nhlo	0/ No 5 : - :			·	
OPERATOR'S CERTIFICATION: I hereby	declare that the co	entents of this same	% Non-Friable	onumbels de-	b - 4 - 4		
and are classified, packaged, marked and national governmental regulations.	labeled/placarded,	and are in all respe	ects in proper condition	ccurately descr	evods D90i	by the proper	shipping name
national governmental regulations.						applicable inte	siriauonai and
g. Operator's Name and Title (Print)	h. Signat	ture		i. Date			
*Operator refers to the company which own renovation operation or both	ns, leases, operate	s, controls, or supe	rvises the facility being	demolished or	renovated	or the demolit	ion or
removement obergridit of Doll							

SIFE CUSTOMER 1741 Calks Ferry Rd. Lexington, SC 29073 A & D Environmental Services, LLC 100014 31101420787 25.00 20.69 20.69 1.00 1.00 The undersigned individual signing this document on behalf of Customer acknowledges that he or she has regal 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. SCALE IN PORT WENTWORTH, GA ď EΑ SAVANNAH REGIONAL LÄNDFILL ENVIRONMENTAL FEE FUEL RECOVERY FEE SW-CONT SOIL FEE-HAUL/TRANS/TRUCK 84 CLIFTON BLVD GROSS WEIGHT TARE WEIGHT ຕ 912-964-2812 DESCRIPTION 65,160 23,780 CHATHAM COUNTY REGION CHATHAM COUNTY REGION SIGNATURE / NET WEIGHT NET TONS WEIGHMASTER 3N-29 REFERENCE 2204030 Susan D. 12-11-2014 VEHICLE BILL OF LADING TICKET # 41,380 20.69 RATE 2:34 pm EXTENSION DATE/TIME OUT
12-11-2014
CONTAINER CELL UNDOUND XAT INVOICE 2:34 pm NET AMOUNT TENDERED CHANGE TOTAL CHECK

RS-F042UPR (07/12)

2723



2204030

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generato	or completes la	a-r)					
a. Generator's US EPA ID Number N/A	-	b. Manifest Docur	ment Number		c. Page	e 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Ad AAD Environmen 4943 Austin Par Burord, GA 3051 g. Phone:	IK Avenue	Ces, LLC		
If owner of the generating facility differs from	om the generator.	provide:	g. r rions.				
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Shir	pping Name and	m. Cc	ontainers	n. Total	o. Unit
	 	Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regu	ulated Soll	0	ump		Tons
				+	+	+	10110
GENERATOR'S CERTIFICATION: I hereby state law, has been properly described, clay waste is a treatment residue of a previousibeen treated in accordance with the requirements.	siv restricted hazard	dous wasta subject	to the Lord Disease Bast	on accordin	ng to applic	cable regulation:	applicable is; AND, if this waste has
PAUL GAZZO	1/ /-	<i>! ! // /</i>	•	1	12./1		
p. Generator Authorized Agent Name (Prin		Signature	nyer for Givent to	:/L)		14	
II. TRANSPORTER (General		e lia-b and Trar	nenorter completes IIC-	<u>-,'</u>	r. Date		
a. Transporter Name and Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402		BN					
c. Driver Name (Print)	d. Stepel				2/11/4		
III. DESTINATION (Generate	or completé Illa	a-c and Destina	tion Site completes III	e. Date			
a. Disposal Facility and Site Address:	N. Weinberg	c. US EPA Numi					
Savannah Regional Industrial 84 Ciffon Bivd Port Wentworth, GA 31407	912.964.2812						
I hereby certify that the above named mate	erial has been acce	epted and to the be	st of my knowledge the fore	agoing lis tr	rue and ac	curate.	
e. Name of Authorized Agent (Print)	f. Signatu	y		1	7.1	1.10	
IV. ASBESTOS (Generator c			complete IVa-i)	g. Date			
a. Operator's Name and Address:			c. Responsible Agency Nam	ne and Ad	dress:		
b. Phone:			d. Phone:	_			
e. Special Handling Instructions and Addition	onal Information:						
f. Friable Non-Friable Both	% Fria	able	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and la national governmental regulations.	declare that the cor labeled/placarded,	ontante of this consi	ignment are fully and	itely descri transport a	ibed above occording to	by the proper of applicable into	shipping name emational and
g. Operator's Name and Title (Print) 'Operator refers to the company which own renovation operation or both	h. Signatuns, leases, operates	ure s, controls, or supe	ervises the facility being den	i. Date nolished or	renovated	or the demolit	ion or
removation operation or poin						• =:=	,

SITE SAVANNAH REGIONAL LANDFILL SITE CELL 01 84 CLIFTON BLVD WEIGHMASTER PORT WENTWORTH, GA 912-964-2812 CUSTOMER Susan D DATE/TIME OUT 100014 12-11-2014 VEHICLE 12-11-2014 CONTAINER 3:02 3:02 pm A & D Environmental Services, LLC BN-32 REFERENCE 2204033 1741 Calks Ferry Rd. Lexington, SC 29073 INVOICE 31101420787 BILL OF LADING SCALE IN GROSS WEIGHT 63,420 NET TONS 19.71 SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 39,420 INBOUND QTY. UNIT

DESCRIPTION RATE EXTENSION TAX TOTAL 19.71 ΞA FEE-HAUL/TRANS/TRUCK CHATHAM CCUNTY REGION 0.00 YD 19.71 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.

CHANGE

NET AMOUNT

TENDERED

2/21

RS-F642UPR (07:12)

SIGNATURE

alanens L

CHECK#



2204033

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generat	or completes la	a-r)							
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	e 1 of			
d Generatoria Nama and Lauri				1					
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	•		e. Generator's Mailing A&D Enviror 4943 Austin Buford, GA 3 g. Phone:	nmental Servic Park Avenue	es, LLC				
If owner of the generating facility differs fr	rom the generator,	provide:	g. Fholie.						
h. Owner's Name:	-								
j. Waste Profile #	k. Exp. Date	I Waste Shir	i. Owner's Phone No.: pping Name and						
	III EAP. Date	Description	ping Name and	No.	ntainers Type	n. Total Quantity	o. Unit		
					1,456	Quantity	Wt/Vol		
31101420787		Non-Regu	lated Con						
			iated Still	1 0	dmb		Tons		
				'	 	 	10115		
;	l			ı			l		
		ļ		l					
					 	 			
						1			
		1			j				
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl.	by certify that the	above named mater	rial is not a hazardous w	raste as define	d by 40 C	FR 261 or any	applicable		
state law, has been properly described, cl. waste is a treatment residue of a previous	assified and packa	iged, and is in prop	er condition for transport	tation according	ig to appli	cable regulation	applicable is; AND, if this		
waste is a treatment residue of a previous been treated in accordance with the requi	rements of 40 CFF	30us waste subject	to the Land Disposal Re	estrictions. I ce	rtify and v	varrant that the	waste has		
	1 1	1 60 1	1	-					
YHUL 642.7C		W/2/10(HS	PACY For bine -	4+02	12/10	114			
p. Generator Authorized Agent Name (Prin		Signature	0		r. Date				
II. TRANSPORTER (Gener	rator completes	<u>s Ilá-b and Tran</u>	sporter completes	llc-e)					
a. Transporter's Name and Address: BAN Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		BN	32-						
X. Universe Liffles c. Driver Name (Print)	X C	launa 3	itte	X 12	11/14				
	d. Signa		* •	e. Date					
III. DESTINATION (Generate a. Disposal Facility and Site Address:	or complete illa	1-c and Destina							
		c. US EPA Num	ber d. Discrepancy Inc	dication Space) :				
Savannah Regional Industria 84 Ciliton Biod	il Landfill								
b. Port Wentworth, GA 31407	912.964,2812	1							
I hereby certify that the above named mate	/ \	ented and to the be	st of my knowledge the	<u> </u>		· · · · · · · · · · · · · · · · · · ·			
	1	aprice and to the be	st of my knowledge the	roregoing is th	Je and acc				
O North of Authorities A A - A CO III		<u> </u>		1	L -]] " [[
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator of	f. Signati			g. Date					
(00000000000000000000000000000000000000	completes IVa-1	i and Operator	complete IVg-i)						
a. Operator's Name and Address:			c. Responsible Agency	Name and Ad	dress:				
b. Phone:			d. Phone:						
e. Special Handling Instructions and Additi	onal Information:								
f. Friable Non-Friable Both	% Fria	able	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and	declare that the co	intents of this consi	coment are fully and an	curately descri	bed above	by the proper	shipping name		
and are classified, packaged, marked and national governmental regulations.	labeled/placarded,	and are in all respe	ects in proper condition t	for transport a	ecording to	o applicable into	emational and		
		·							
g. Operator's Name and Title (Print)	h. Signat	lure	•	i. Date					
*Operator refers to the company which owr renovation operation or both	is, leases, operate	s, controls, or supe	rvises the facility being o	demolished or	renovated	i, or the demolit	ion or		

	•	
		SITE
	· · · · · · · · · · · · · · · · · · ·	SAVAMNAH REGIONAL LANDET SAVAMNAH REGIONAL LANDET OF SAVAMNAH REGIONAL LANDET OF SAVAMNAH REGIONAL LANDET OF SAVAMNAH REGIONAL LANDET OF SAVAMNAH REGIONAL LANDET OF SAVAMNAH, GA PORT WENTWORTH, GA 1000
		POR: POR: POR: POR: POR: POR: POR: POR:
		SO THE SCALE
	0 3	SAVANNAN SCALE IN SCALE OUT SCALE OU
į	1 ic ci	FE OUT CONTROL TWO AND
(07)12)	dorsig	NV-C
53	ned to	SAVANNAH REGIONAL LANT SAVANNAH REGIONAL LANT 84 CLIFTON BLVD 88 CLIFTON BLVD 88 CLIFTON BLVD 9 WENTWORTH, GA WENTWORTH, GA WENTONMENTAL FE TO SW-CONT SOIL ENVIRONMENTAL FE FUEL RECOVERY FE
	ndivid	GROSS TARE T SOIL T SOIL RECOVER
	Hall S	ONAL VIC
	he or	RY SO BELLINES
	mia she ii	SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 912-96 84 CLIFTON BLVD 912-96 84 CLIFTON BLVD 912-96 84 CLIFTON BLVD 912-96 84 CLIFTON BLVD SERTY Rd. SERTY ROSS WEIGHT TARE WEIGHT YD SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE FUEL RECOVERY
	as the	NDFILL 912-964-2812 912-964-2812 912-964-2812 71,76 GHT 27,44 GHT 27,44
	nent c	181
	orly t	-2812 -2812 -27, 400 27, 400 CHD
	o sign	2812 271, 760 271, 400 CHAI
	Cust	量
	docum docum	THA HA
	nant c	0 0 2 2
	The undersigned individual signing this document on behalf of eight whis document on behalf of eight and that he or she has read and understands the learner acknowledges that he or she has read and understands the learner acknowledges that he or she has read and understands the constant of the customer. Significant individual signing this document on behalf of customers and that he or she has the authority to sign this document on behalf of the customers.	SITE OIL TICKET 9436 01 OTHER PARTIES IN THE OIL A COUNTY REGION CHATHAM COUNTY REGION CHATHAM COUNTY REGION
	SIGH	NTY
	ATUF	STE TROKET & O.1 TOKET & O.1 O.1
	or she	TY REGION TY REGION TY REGION TY REGION
	Za is	
		22.18 22.18 22.18
	THE STATE OF THE S	2:46 pm 22.18 4,360
	, dera	
	d and	
		CELL CONTAINE OUT 1 NBOUN INBOUN TAX
	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	INBOUND INVO
	ndition	
	\	
		JUNID JUNIO 2:46
	. 1	[a] B
	. (ച	
	CHANGE	
	CK4 FOR	3



2204032

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generat	or completes la-r)	a						
a. Generator's US EPA ID Number N/A	b.	. Manifest Docum	nent Number		c. Page	1 of		
d. Generator's Name and Location: Rheem Manufacturing Compi 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Maiting Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:					
If owner of the generating facility differs fi	rom the generator, pro-	vide:						
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	pping Name and	m. Conf	tainers	n. Total	o. Unit	
		Description	F	No.	Туре	Quantity	Wt/Vol	
31101420787		Non-Regui	lated Soll	פעו	mp	Tons		
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi	slu restricted hazardou	us waste subject	to the Land Disposal Restri ger a hazardous waste as de	on according rictions. I cer lefined by 40	g to applic rtify and w 0 CFR 261	cable regulations varrant that the v		
1 ALL GAZZC	11/01	MAH	Agod For Gone	4102	12/1	10/14		
p. Generator Authorized Agent Name (Print) d. Signafufe								
II. TRANSPORTER (Gene	rator completes lia	a⁴b and Tran	sporter completes lic-	-e)				
a. Transportagie Nacement Address: 1027 Bacon Road Hinesville, GA 31313 912.412.2402		5:	308					
c. Driver Name (Print)	d Signature	1 To	the state of the s	(X 17)	11/14			
III. DESTINATION (General			tion Site completes III					
a. Disposal Facility and Site Address:		c. US EPA Num						
Savannah Regional Industri 84 Clifton Bird Port-Wentworth, GA 31407	912.964.2812							
I hereby certify that the above named mat	erial has been accept	ad and to the be	st of my knowledge the fore	egoing is tru	e and acc	curate.		
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	()	1		1 1	}-11	[]		
e. Name of Authorized Agent (Print)	f. Signature			g. Date				
iV. ASBESTOS (Generator	completes IVa-f ai	nd Operator	complete IVg-i)					
a. Operator's Name and Address:			c. Responsible Agency Nar	me and Add	ress:			
b. Phone:								
Prione: Special Handling Instructions and Addit	tional Information:		d. Phone:					
f. Friable Non-Friable Both	% Friable	9	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	labeled/placarded, an	ints of this consi	ignment are fully and accura ects in proper condition for	ately describ transport ac	ped above cording to	by the proper so applicable inte	shipping name mational and	
g. Operator's Name and Title (Print)	h. Signature	3		i. Date				
*Operator refers to the company which ow renovation operation or both	ns, leases, operates, c	controls, or supe	rvises the facility being den	nolished or r	renovated	I, or the demoliti	on or	
TOTAL CONTROL OF COURT								

	PT_MENTMORY	AH RECIONAL LAND 4 CLIFTON BLVD TE, GA 91	FILL 2-964-2812	WEIG	SHMASTER	943657	CE	LL	
- 1	Amirannens Lya Terry S In, 30 IP:	al Services, LLC Pd. 173		1.2- VEHIC BN- PEFE 2.20	4031	14 2:5		TETIME OUT -12014 NTAINER	2:53 pm
-		GROSS WEIGHT TARE WEIGHT	62,840 21,480	NET TONS		20.68 41,360		INBOUND	
1. 11 1	1 779 0000	L TRANS TRUCK	CRIPTION			RATE	EXTENSION	TAX	TOTAL
### *		SISS SISSES SISSES		COUNTY RES					
	10000	une (a en mente en en en en en	·						HET AMOUNT



2204031

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator	completes la-	-r)						
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	1 of		
N/A d. Generator's Name and Location: Rheem Manufacturing Company			e. Generator's Mailing Ad	Idress:		1		
139 Brampton Road			A&D Environmental Services, LLC 4943 Austin Park Avenue					
Savannah, GA 31408			Buford, GA 30518					
If owner of the generating facility differs from	the generator, p	provide:	g. Phone:	······································				
h. Owner's Name:	are generaler, p	101.23.						
	. Exp. Date	I Maste Shir	i. Owner's Phone No.: oping Name and	1				
	CAP. Date	Description	ping wame and	Mo.	ntainers Type	n. Total Quantity	o. Unit Wt/Vol	
				110.	1,750	Quantity	VVVVOI	
31101420787		Non-Regu	IIAS hateli	"				
			1	יט	mp	Tons		
							TONO	
		1						
GENERATOR'S CERTIFICATION: I hereby of state law, has been properly described classic	certify that the al	hove named mate	siat is and a boundary word	1	ļ	<u>L</u>		
state law, has been properly described, classi waste is a treatment residue of a previously re	ified and packag	ed, and is in prop	nal is not a nazardous wasteer condition for transportation	e as define on accordin	d by 40 C	FR 261 or any a	applicable	
							waste has	
· · · · · · · · · · · · · · · · · · ·	ents of 40 Crx 2	468 and is no long	jer a hazardous waste as de	efined by 4	0 CFR 26	<u>1</u>		
1AUCH270		il Mo (A)	SAJOH FOR GENERA	toi)	12/1	oliy		
p. Generator Authorized Agent Name (Print) II. TRANSPORTER (Generator		Signature			r. Date			
THE STATE OF THE POST OF THE P	or completes	lla-b and Tran	isporter completes lic-	·е)				
a. Transporter's Name and Address: B&N Trucking			0, 0,12	1/				
1027 Bacon Řoad Hinesville, GA 31313		C22X	RE BN27	<i>L</i> -				
b. Phone: 912.412.2402		30 ·						
X Trusson 1. +11CS	YZID	2012	2/III	\ <u>\</u>	- 1. I.	. 1		
c. Driver Name (Print)	d. Signatu	<u>Yellik</u>	Natille,		2/4/1	/		
III. DESTINATION (Generator			ation Site completes III	e. Date				
a. Disposal Facility and Site Address:	Complete inc	c. US EPA Num						
Savannah Regional Industrial La	au4011		o. Disciopancy muica	ation Space	i:			
-84 Cillion Blad		I						
	912.964.2812	i +						
I hereby certify that the above named material	I has been accer	pted and to the be	st of my knowledge the fore	going is tn	e and acc	curate.		
		イラー	1		2.1	1 -		
e. Name of Authorized Agent (Print)	f. Signatur			g. Date	, I			
IV. ASBESTOS (Generator con	npletes IVa-f	and Operator	complete IVg-i)					
a. Operator's Name and Address:			c. Responsible Agency Nan	me and Add	dress:			
b. Phone:e. Special Handling Instructions and Additiona	1 Information:		d. Phone:		·			
or oposion i formating monotonions and Additiona	i inioimadon.							
f. ☐ Friable ☐ Non-Friable ☐ Both	D/ E							
OPERATOR'S CERTIFICATION: I hereby dec	% Friab	ntents of this consi	% Non-Friable	-tale done	Lad above	1 41		
	eled/placarded, a	and are in all resp	ects in proper condition for t	ately descri transport a	bea above cording to	 by the proper specificable into 	shipping name emational and	
national governmental regulations.			· · ·			, approcess	Allegonor and	
g. Operator's Name and Title (Print)	h. Signatu	ire		i. Date				
*Operator refers to the company which owns, I renovation operation or both	leases, operates.	, controls, or supe	rvises the facility being dem	nolished or	renovated	, or the demolit	ion or	

SITE SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 CUSTOMER 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787 SCALE IN GROSS WEIGHT 63,960 NET TONS SCALE OUT

O1 943661	CELL
WEIGHMASTER	
Susan D.	
DATE/TIME IN	DATE/TIME OUT
12-11-2014 3:22 pm	12-11-2014 3:22 pm
VEHICLE	CONTAINER
3N-29	
REFERENCE 2204034	
	INVOICE
BILL OF LADING	*******************************

20.09

		TARE WEIGHT	23,780	NET WEIGHT	40,180		INBOUND	
OTY.	UNIT	DI	SCRIPTION		RATE	EXTENSION		/
20.09 25.00		FEE-HAUL/TRANS/TRUCK	CHATHAN	OUNTY REGION	HAIS	EXTENSION	TAX	TOTAL
20.09 1.00 1.00		SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	CHATHA	4 COUNTY REGION				
1					!		1 !	

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.

()

TENDERED
CHANGE
CHECK#

NET AMOUNT

2/21

SIGNATURE



2204034

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

	29	
	"	
•	**	
	~	

	nerator completes la-	-F)					
a. Generator's US EPA ID Number N/A		b. Manifest Docur	ment Number		c. Page		
d. Generator's Name and Location: Rheem Manufacturing C 139 Brampton Road Savannah, GA 31408 f. Phone: If owner of the generating fa :ility diff		ido		iling Address: Violinemai Servic stin Park Avenue GA 30518	es, LLC		1
h. Owner's Name:	ele lloiti tite gonorator, pr	rovide:					
j. Waste Profile #	k. Exp. Date	I Marta Shir	i. Owner's Phone I				
	W. CAP. Dute	Description	oping Name and	m. Co	ntainers Type	n. Total Quaintity	o. Unit Wt/Vol
31101 420 787		Non-Regul	lated Soll	1 DI	mp		Tons
GENERATOR'S DERTIFICATION: I state law, has been properly describe	hereby certify that the ab	Powe named mate	riol in and a harmod				
state law, has been properly describe waste is a treatment residue of a previous treated in accordance with the residue of a previous treated in accordance with the residue of a previous treated in accordance with the residue of the previous treatment and the previous treatment and treatment and accordance with the residue of the previous treatment and treatment a	viously restricted hazardon requirements of 40 CFR 2 (Print) Ja. Si	ous waste subject (268 and is no long	to the Land Disposal per a hazardous wash	Restrictions. I ce le as defined by 4	g to applic	Cable reculation	applicable ns: AND, if this waste has
1027 Bacon Road Hinesville, GA 31313 912.412.2402		BN 25	7				
c. Driver Name (Print)	d. Signator	A T			11/14		
"I DESTINATION (Gene	erator complete illa-c	c and Destinal	lion Site complet	e. Date			
a. Disposal Facility and Site Address: Savannah Regional Indu 34 Ciffon-Biv d Port Wentworth, GA 314	ustrial Landfill 07 912.964.2812	c. US EPA Numb	d. Discrepancy	Indication Space			
)	ne loregoing is su	e and acc	urate.	
e. Name of Authorized Agent (Print)	f. Signature		/	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11	- 10	·
V. ASBESTOS (Generate	or completes IVa-f a	and Operator c	complete (Va-i)	g. Date			
o. Operator's Name and Address:			c. Responsible Agend	cy Name and Add	ress:		
Phone:		,	d. Phone:				
	alatiation and the Community		77 1 1.01101				
s. Special Handling Instructions and A	dditional information:			•			
Special Handling Instructions and Ad Friable Non-Friable Rec	oth over the control of the control	- 00		•			
	oth % Friable	- 4 6 4 4	% Non-Friable inment are fully and a cts in proper condition	accurately describ	ed above cording to	by the proper applicable inte	shipping name mational and
☐ Friable ☐ Non-Friable ☐ Bo	oth % Friable	ents of this consign and are in all respec		accurately describ	ed above cording to	by the proper applicable inte	shipping name mational and

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	9430	565		
WEIGHM	ASTER		· · · · · · · · · · · · · · · · · · ·	
Susa	n_D			
DATETH			DATE/TIME OUT	
12-1	1-2014	3:34 pm	12-11-2014	3:34 pm
VEHICLE	:		CONTAINER	
NE-5	308			
2204	NCE			
2204	035		INV	/OICE
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	DESC	RIPTION	RATE	EXTENSION	TAX	TOTAL
23.13 20.00	EA YD	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
23.13 1.00 1.00	TN	SW-CONT SOIL ENVIRONMENTAL FEE 5 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.

TENDERED CHANGE

CHECK#

SIGNATURE MEM LOSSINGUEST

2/21



If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

GENERATOR (Generate	or completes i	la-r)						
al Genaletons US EPA ID Number		b. Manifest Docur	ment Number		c. Page	1 of		
Processing Name and Location: Rineam Manufacturing Compa 139 Brampton Road Sevendan, GA 31408	пу	e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:						
11 when this eigenerating facility differs fr	om the generator	, provide:	g. Fhorie.					
n Dwhers Name			i. Owner's Phone No.	•				
n Dwher's Name Waste Profie #	k. Exp. Date		ping Name and		ntainers	n. Total	o. Unit	
		Description		No.	Туре	Quantity	Wt/Vol	
51101420787		Non-Regu	lated Soll	1 01	mp		Tons	
							100	
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	rial is not a hazardous v	waste as define	ed by 40 C	FR 261 or any	applicable	
state law, has been properly described, of waste is a treatment residue of a previous seen treated in accordance with the requi	assified and pack ilv restricted haza	kaged, and is in prop erdous waste sublect	er condition for transpo to the Land Disposal R	rtation according	ig to applic	cable regulation	e AND if this	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Lul MI AS	Martin Came	44:2)	12/10	14		
 Generator Authorized Agent Name (Pri 		. Signature	J		r. Date			
II. TRANSPORTER (Gene	rator complete	<u>es llá-b and Trar</u>	nsporter completes	IIc-e)				
a Transconer's Name and Address: Bay Trucking 1027 Baton Road Hinesville, GA 31313 b. Phone 912.412.2402		5378	•					
X JAT LUSTING	= X X	e folks	2/1000	- K 12	2/11/1	4		
c. Driver Name Print	d. Sign	nature/	-	e. Date	, , , , ,	<u>'</u>		
III. DESTINATION (General	or complete II			s IIId-g)				
a. Disposal Facility and Site Address:		c. US EPA Num	nber d. Discrepancy l	ndication Space	e:			
Savannah Regional Industri 34 C#for Bwd For Wem≪orth, GA 31407	al Landfill 912.964.2812∕	~						
n. Thereby محرية marking applie named mark	-		est of my knowledge the	e foregoing is tr	ue and ac	curate.		
•	(3.7-		1 1-	1.11	- -	·	
e. Name of Aumorices Agent (Print)	f. Signi	ature		g. Date		<u>,) </u>		
IV. ASBESTOS (Generator	completes IVa	a-f and Operator	complete IVg-i)					
a. Operator's Name and Address:			c. Responsible Agency	y Name and Ad	dress:			
b. Phone:			d. Phone:					
e. Special Handing Instructions and Addition	iona: Information		G. FHUHE.				T	
f. Friable Non-Friable Both OPERATOR'S CERT F.CATION / nereb, and are classified ipackaged marked and national governmental regulations.	sectare that the	nable contents of this cons d. and are in all resp	% Non-Friable signment are fully and a pects in proper condition	ccurately descr n for transport a	ribed abov	re by the prope to applicable in	r shipping name ternational and	
	_					-		
g. Operator's Name and Title (Print) *Operator refers to the company which ow repoyation operation or both	h. Sigr rns. leases, opera	nature ates, controls, or sup-	ervises the facility being	i. Date demolished or	renovate	d, or the demol	ition or	

SITE TICKET # CELL SAVANNAH REGIONAL LANDFILL 01 WEIGHMASTER 943666 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 SUSAR D CUSTOMER DATE/TIME OUT 12-11-2014 VEHICLE 100014 12-11-2014 CONTAINER A & D Environmental Services, LLC BN-22 REFERENCE 2204036 1741 Calks Ferry Rd. Lexington, SC 29073 INVOICE 31101420787 BILL OF LADING SCALE IN GROSS WEIGHT 64,720 NET TONS 21.62

SCALE IN GROSS WEIGHT 64,720 NET TONS 21.62
SCALE OUT TARE WEIGHT 21,480 NET WEIGHT 43,240 INBOUND

OTY.	UNIT	DESC	RIPTION	RATE	EXTENSION	TAX	TOTAL
21.62 20.00	EA YD	FEE-HAUL/TRANS/TRUCK	CHATHAM COUNTY REGION				
21.62 1.00 1.00	TN	SW-CONT SOIL ENVIRONMENTAL FEE 5 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 on the reverse side and that he or she has the authority to sign this document on behalf of the customer.



2204036

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)						
a. Generator's US EPA ID Number N/A	•	b. Manifest Docum	ment Number		c. Page	1 of		
d. Generator's Name and Location; Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	пу		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518					
If owner of the generating facility differs from	om the generator,	provide:	g. Phone:					
h. Owner's Name:			i. Owner's Phone No.:					
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	n. Total	o. Unit			
		Description		No.	tainers Type	Quantity	Wt/Val	
31101420787		Non-Regu	lated Soil	Di	mp		Tons	
GENERATOR'S CERTIFICATION: I become	ou codify that the							
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, clawaste is a treatment residue of a previous been treated in accordance with the requirement.	v restricted hazar	igeo, ano is in prop dous waste sublect	er condition for transportation to the Land Disposal Restrict	on accordin	g to applic	cable regulation	ARID 16 ALI-	
YAVI 64270	16	Kallenter	Ascid for Gener	4 for	12/10	114		
p. Generator Authorized Agent Name (Prin		Signa/u/6			r. Date	. ,		
II. TRANSPORTER (Gener	ator complete	s Ila b and Tran	sporter completes lic-	·е)				
a. Transporagis Naccanand Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone:		BNZ	V	\bigcap	01	's D	.	
c. Driver Name (Print)	d. Signs	<u> allur</u>		e. Date	/2//	7/2/11	iý	
III. DESTINATION (Generate			tion Site completes III	d-a	· // ·			
a. Disposal Facility and Site Address:	- complete in	c. US EPA Num			. /			
Savannah Regional Industria 84 Clifton Bivd Port Wentworth, GA 31407	I Landfii 912.964.28 1 2		and a single participation of the single participation of	auon opace	•			
I hereby certify that the above named mate	rial has been acc	epted and to the be	st of my knowledge the fore	egoing is tn	ue and ac	curate.		
		N			1 - 11			
e. Name of Authorized Agent (Print)	f. Signal	ure		g. Date				
IV. ASBESTOS (Generator of			complete IVg-i)		*************	···		
a. Operator's Name and Address:			c. Responsible Agency Nat	me and Ad	dress:			
b. Phone:		1	d. Phone:					
e. Special Handling Instructions and Additi	onal Information:		<u> </u>					
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fri	able	% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the c	natents of this cons	noment are fully and accur	ately descri transport a	bed above ccording t	e by the proper o applicable int	shipping name temational and	
g. Operator's Name and Title (Print)	h. Signa	ture		i. Date				
*Operator refers to the company which own renovation operation or both	is, ieuses, operate	ss, controls, or supe	ervises the facility being den	noiished or	renovated	i, or the demoli	tion or	

TICKET # SITE CELL SAVANNAH REGIONAL LANDFILL 01 WEIGHMASTER 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 Susan D CUSTOMER DATE/TIME OUT 12-11-201 VEHICLE 12-11-2014 CONTAINER 100014 A & D Environmental Services, LLC BN-32 REFERENCE 2204037 1741 Calks Ferry Rd. Lexington, SC 29073 INVOICE BILL OF LADING 31101420787

SCALE IN GROSS WEIGHT 62,340 NET TONS 19.17
SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 38,340 INBOUND

`			TARE WEIGHT	24,000	NET WEIGHT	38,340		TUROOND	
	QTY.	TINU	DES	CRIPTION		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			
:	1.00		ENVIRONMENTAL FEE 5					•	
	1.00	i	FUEL RECOVERY FEE						
	į								
	!								
÷	i		1				!		
:	į								
1			•						
:	i					!			
						<u> </u>		·	NET AMOUNT

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.

DO COMPLETE WAYNER.

liberine



2204037

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\hbox{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes I	'	•				
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		c. Page	1 of	
N/A d. Generator's Name and Location:		<u> </u>	1.0			1	- ·
Rheem Manufacturing Compa	iny		e. Generator's Mailing Add A&D Environmen	dress: ntal Service:	5 U.G		
139 Brampton Road	•		4943 Austin Pari	k Avenue	·, <u> </u>		
Savannah, GA 31408			Buford, GA 3051 g. Phone:	8			
If owner of the generating facility differs fr	om the generator.	provide:	gr. none.				
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Shir	pping Name and	m. Cont	ainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
				}			
31101420787		Non-Regu	lated Soli	Dur	np		
					·	Tons	
							1
				1			
							<u> </u>
						<u> </u>	
GENERATOR'S CERTIFICATION: I here	by certify that the	above named mate	erial is not a hazardous waste	e as defined	hv 40 C	FR 261 or any an	nlicable
i state law, has been properly described, d	assitied and pack	aned and is in nmr	er condition for transportation	n according	to applic	ahla manulationa	AND MALE
waste is a treatment residue of a previous been treated in accordance with the requi	ity restricted hazar rements of 40 CF	rdous waste subjec R∵268 and <i>i</i> €no lon	l to the Land Disposal Restri	ctions. I cert	tify and w	varrant that the wa	aste has
VAUL GAZZE	V1	Ellen	/ /	777	12/10		
p. Generator Authorized Agent Name (Pri	or)	. Signature	(AS Agent Fis Game	KYKL	r. Date	y'y	
II. TRANSPORTER (Gene			nsporter completes lie	<u> </u>	r. Date		
a. Transporter's Name and Address:	idio: dompiote	o na o ana ma	noporter completes lic-	0)			
1027 Bacon Road		0.1 3	1				
Hinesville, GA 31313		(3N 3	C.				
b. Phone: 912.412.2402							
X. Warehe Littles	<u> </u>	Clarance d	littlea	K ,21	11/14		
c. Driver Name (Print)	d. Sign			e. Date			
iii. DESTINATION (General	or complete II						
a. Disposal Facility and Site Address:		c. US EPA Nun	nber d. Discrepancy Indica	ation Space:			
Savannah Regional Industria 84 Clifton Bivd	al Landfill						
Port Wertworth, GA 31407	912.964.2812						
I hereby certify that the above named mat	,	· ·	est of my knowledge the fore	accina is tau	a and ac	oursto.	
	1	X)	out of my knowledge are lore		e and ac	IC /	**
e. Name of Authorized Agent (Print)	f. Signa	1 1		1	· <u> </u>	71	
IV. ASBESTOS (Generator			complete IVa-iV	g. Date			
a. Operator's Name and Address:		rand Operator	c. Responsible Agency Nar	mo and Add			
an operator or tamo and readings.			c. Neaponsible Agency Nai	ille altu Auu	1622.		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addit	ional Information:					·	
f. ☐ Friable ☐ Non-Friable ☐ Both	% F	riable	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and	declare that the	contents of this con	signment are fully and accura	ately descrit	ed abov	e by the proper s	hipping name
national governmental regulations.		., and are in an fes	hacra in brober coudition tot	иапѕроп ас	coraing t	o applicable inter	national and
g. Operator's Name and Title (Print)	h. Sign	ature		i. Date			
*Operator refers to the company which ow	ns, leases, opera	tes, controls, or sup	ervises the facility being den	nolished or I	enovated	d, or the demolitic	on or
renovation operation or both							ı

Susan D DATE/TIME OUT 100014 12-11-201 VEHICLE 2:09 pm 12-11-2014 CONTAINER 2:09 pm A & D Environmental Services, LLC BN-32 REFERENCE 2204029 1741 Calks Ferry Rd. Lexington, SC 29073 INVOICE 31101420787 BILL OF LADING SCALE IN GROSS WEIGHT 64,400 NET TONS 20.20 SCALE OUT TARE WEIGHT 24,000 NET WEIGHT 40,400 INBOUND UNIT DESCRIPTION RATE EXTENSION TAX TOTAL 20.20 FEE-HAUL/TRANS/TRUCK ΞA CHATHAM COUNTY REGION 0.00 YD 20.20 TN SW-CONT SOIL CHATHAM COUNTY REGION 1.00 ENVIRONMENTAL FEE 5 1.00 FUEL RECOVERY FEE

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

01

WEIGHMASTER

TICKET #

943647

CELL

NET AMOUNT

TENDERED

CHANGE CHECK

SITE

CUSTOMER

SAVANNAH REGIONAL LANDFILL

84 CLIFTON BLVD

912-964-2812

PORT WENTWORTH, GA

2/21

RS-F042UPR (07/12)



2204029

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

i. GENERATOR (Generate	or completes la-	г)							
a. Generator's US EPA ID Number	1	b. Manifest Docum	nent Number		c. Page	1 of			
N/A d. Generator's Name and Location:			T - Consessed Mailing	A 44-222		1			
Rheem Manufacturing Compa	any		e. Generator's Mailing A A&D Environn	Address: nentai Servic	es. LLC				
139 Brampton Road	•		4943 Austin P	атк Ахепие					
Savannah, GA 31408 f. Phone:			Buford, GA 30518 g. Phone:						
If owner of the generating facility differs from	rom the generator, pr	rovide:	g. , none.						
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date		pping Name and	m. Co	ntainers	n. Total	o. Unit		
		Description		No.	Туре	Quantity	Wt/Vol		
					1		{		
31101420787		Non-Regul	lated Soll	DI	mp	_			
	 	+		' 	 	<u> </u>	Tons .		
]							
'									
					 				
i									
				1					
GENERATOR'S CERTIFICATION: I here	by certify that the ab	ove named mate	rial is not a hazardous wa	ste as define	d by 40 C	FR 261 or any a	pplicable		
state law, has been properly described, cl waste is a treatment residue of a previous	siv restricted nazardo	ous waste subject	to the Land Disposal Res	strictions I co	artifu and u	vormal that the v	; AND, if this		
been treated in accordance with the requi	rements of 40 CFRy	268 and is no long	ger a hazardous waste as	defined by 4	0 CFR 26	1.	165(6)163		
1 AVL 6AZZO	Kan	Band as	HQL. AFOR GENER	114/11L	1211	2/14			
p. Generator Authorized Agent Name (Pri	int) q. S	Signalute	7		r. Date				
II. TRANSPORTER (Gene	rator completes.	Ala-b and Tran	nsporter completes II	c-e)	<u> </u>				
a. Transporter's Name and Address:									
1027 Bacon Road		\sim 1	1 2						
Hinesville, GA 31313 b. Phone: 912.412.2402		W. Br	5ν						
. O. I Itolie.	7	\overline{M}	2.11.0	1					
C. Driver Name (Print)	<u> </u>	laring	- dutter	× 121	11117				
	d. Signatu		-41-m Olan semalakan	e. Date					
III. DESTINATION (Generat a. Disposal Facility and Site Address:	Tor complete ma-	c. US EPA Num							
Savannah Regional Industria	-1 :	C. US EL A RUM	u. Discrepancy mu	ication space	3 :				
84 Cliffon Bivd	al Lanuini	i							
b. Port Wentworth, GA 31407	912.964.2812								
I hereby certify that the above named mat	terial has been accer	pted and to the be	est of my knowledge the fr	oregoing is tr	ue and ac	curate. ,			
		クナ		1.3	11	- 16-1			
e. Name of Authorized Agent (Print)	f. Signatur			g. Date					
IV. ASBESTOS (Generator	completes IVa-f	and Operator	complete IVg-i)						
a. Operator's Name and Address:			c. Responsible Agency N	vame and Ad	dress:				
b. Phone:		1							
e. Special Handling Instructions and Addit	tional Information:		d. Phone:						
f. ☐ Friable ☐ Non-Friable ☐ Both	% Friab	hia	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby	declare that the con	ntents of this cons	ignment are fully and acc	urately descr	ibed abov	e by the proper	shipping name		
and are classified, packaged, marked and national governmental regulations.	labeled/placarded, a	and are in all resp	ects in proper condition for	or transport a	ccording t	o applicable inte	mational and		
national governmental regulations.						· · · · · · · · · · · · · · · · · · ·			
0									
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signatu vns. leases, operates	controls, or sup	ervises the facility being d	i. Date	conovalor	ar the domoliti			
renovation operation or both	····	, 00/18/0/3, 0/ 30/20	sivises the facility being to	emonsned or	renovated	i, or the demoliti	on or		

E 11CKET 4 3 6 7 0	The undersigned individual signing this document on behalf of Customers acknowledges that he or she has read and understands the terms and conditions SiGNATURE SIGNATURE 2221
NET W NET W THAM COUNT	mer acknowledges that he of ocument on bothalf of the cust.
NDF111, 0 912-964-281 11.C 11.C 11.C 11.C 123, 124.E 125.E 125.E	document on bathalf of Custod
NAH REGIONAL LA BA CLIFTON BLVI BA CLIFTON BLVI BA CLIFTON BLVI GA CA TY RA: Z9073 Z9073 TARE WEI THE WEI T	orsigned individual signing titls of stee he ever so side and that he or stee he ever so side and that he or stee he ever so side and that he or stee he ever so side and that he or stee he ever so side and that he or stee he ever so side and that he or stee he ever so side and that he or stee he ever so side and that he ever so side and the ever so side and that he ever so side and that he ever so side and the ever so si
SAVANNAH REGI SAVANNAH REGI BORT WENTWORTH, GA 100014 A & D Environmental Scr 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. SCALE IN GR SCALE OUT GR SCALE OUT T 31101420787 SCALE OUT T SCALE OUT T 17.83 YD SW-CONT SC 1.00 FUEL RECC 1.00 FUEL RECC	The under

PS-F042UPR (07/12)



2204038

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-r'	1					
a. Generator's US EPA ID Number N/A		. Manifest Docur	ment Number		c. Page		
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Add A&D Environmer 4943 Austin Pari Buford, GA 3051 g. Phone:	rk Avenue	es, LLC	1	
If owner of the generating facility differs fr	om the generator, pro-	vide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	pping Name and		tainers	n. Total	o. Unit
31101420787		Non-Regul		No.	Type mp	Quantity	Wt/Vol
		+	1			Ton5	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cle waste is a treatment residue of a previous been treated in accordance with the requirement of the state of th	sly restricted backaged	u, and is in propi	to the Land Disposal Restriction for transportation to the Land Disposal Restriction ger a hazardous waste as de	on according ictions. I cer efined by 40	g to applic rtify and w 0 CFR 26	cable regulations warrant that the	applicable s; AND, if this waste has
p. Generator Authorized Agent Name (Prin	int) Jq. Sig	ninesting	S But For Genian			olly	
II. TRANSPORTER (Gener	rator completes II	Ah and Trar	renorter completes lic-		r. Date		
a. Transporters Nationand Address: 1027 Bacon Road Hinesville, GA 31313 b. Phone:			BN 29				
c. Driver Name (Print)	d. Signature				11)14		
III. DESTINATION (Generate			tion Site completes Ille	e. Date			
a. Disposal Facility and Site Address:		c. US EPA Numl					
Savarinah Regional Industria 84 Cition Bird b. Port-Wentworth, GA 31407	al Landfill 912.964.2812						
I hereby certify that the above named mate	arial has been accepte	d and to the be	st of my knowledge the fore	going is tru	e and acc	curate,	
Managar Annal (Dalan)		D.J		1:2	2-11	-14-1	
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator of	f. Signature			g. Date			
IV. ASBESTOS (Generator of a. Operator's Name and Address:	ompietes iva-i ai		c. Responsible Agency Nam	ne and Add	ress:		
L PA							
b. Phone: e. Special Handling Instructions and Addition	onal Information:		d. Phone:				
f. Friable Non-Friable Both	% Friable	3	% Non-Friable	-			
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and I national governmental regulations.	declare that the conter labeled/placarded, and	nts of this consig d are in all respe	gnment are fully and accurated to the proper condition for transfer in proper condition for transfe	tely describ ransport ac	ed above cording to	by the proper so applicable inte	shipping name mational and
a Openias's Name and Title (Driet)							
g. Operator's Name and Title (Print) *Operator refers to the company which own renovation operation or both	h. Signature	controle or euro	-daga Ab a fa -90b a b alam daga	i. Date			
renovation operation or both	o, icado, opcialo, o	Olinois, or super	rvises the facility being demo	olished or re	enovated	, or the demolitie	on or

	4 4:20 pm			TOTAL	NET AMOUNT	TENDERED	CHECK®		
=	12-11-2014 CONTAINER		INBOUND	TAX					
CELL	ша			EXTENSION			and conditions	•	
11CKET# 943673	2014 4:20	22.40	44,000	РАТЕ			erstands the terms of	`	
SITE TICKE 0 WEIGHMASTER	DATERINE IN 12-11-2014 VEHICLE NE-5.308 REFERENCE 220403 BILL OF LADING	—, F F	ИКАТОЛІ	TY REGION			ie has read and und nee.		
12				CHATHAM COUNTY REGION		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ohalf of the custom		
NDFILL 7 912-964-2812		72,200	DESCRIPTION	CHATHAM		irelomor acknowle	is document on by		
REGIONAL LA ILIFTON BLVI GA	Services, LLC 1.	GROSS WEIGHT TARE WEIGHT		S/TRUCK FEE 5 FEE		this document on behalf of C	SIGNATURE (07/17) 2021 SIGNATURE SIG		
SAVANNA:I 84 C PORT WENTWORTH,	100014 A & D Environmental 1741 Calks Ferry Rd. Lexington, SC 29073	IN OUT	\sqcup	FEE-HAUL/TRAN SW-CONT SOIL ENVIRONMENTAL FUEL RECOVERY		t gningle leubividus t	side and that he or she 2/21		
	100014 A & D Envir 1741 Calks Lexington, 31101420787	SCALE	3	YD		undersign:	R (07/12)		
CUSTOMER	100 P & 174 174 16x 1ex 311		OTY.	22.40 20.00 22.40 1.00 1.00		The	G		•

.



2204039

if waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

GENERATOR (Generate	or completes la-r	<i>t</i>)							
a. Generator's US EPA ID Number	ŀ	b. Manifest Docur	ment Number		c. Page 1	1 of			
d Generator's Name and Leasting					V9	101			
d. Generator's Name and Location: Rheem Manufacturing Compa			e. Generator's Mailin	ina Address:					
139 Brampton Road	ing	•	A&D Enviro	Ironmental Servic	ces, LLC				
Savannan, GA 31408				tin Park Avenue					
f. Phone:			Buford, GA 30518						
If owner of the generating facility differs from	om the generator, pr	ovide:	3. · · ·· ·· · · · · · · · · · · · · · ·						
h. Owner's Name:		Jilio.							
n. Owner's Name: j. Waste Profile #			i. Owner's Phone No						
J. waste Prome #	k. Exp. Date	I. Waste Ship	pping Name and	m. Cor		n. Total	o. Unit		
		Description		No.		Quantity	Wt/Vol		
	1	1		İ	T				
31101420787	1	Non-Regu	ulated Soli	ا ا	mp				
				1	Anth	~	Tons		
J	1				+	:	Ulla		
ļ	ſ	1		· ·	1 1		1		
J	í	l		1	1 1		1		
l J	ı	1		'					
	ı			, l	1 1				
TO THE STATE OF TH	1			,	1 1		1		
GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, cla	by certify that the abo	ove named mater	rial is not a hazardous	waste as define	ed by 40 CFF	P 261 or any g	nlicahla		
waste is a treatment residue of a previously	ly restricted bazardou	un woote auticate	AA- Market In the transpo	creation according	ng to applicat	able regulations:	e AND. if this		
waste is a treatment residue of a previously been treated in accordance with the require	y restricted riskardou	us waste subject	to the Land Disposal F	Restrictions. I ce	artify and war	mant that the v	waste has		
	Interna or 40 c.	8 and is no ions	jer a hazardous waste	as defined by 4	0 CFR 261.		-		
THUL 64770	Ma	I EMALH	BASEN FORGE	ince HYOK)	12/10/	1.1			
p. Generator Authorized Agent Name (Print		ionature !	U		r. Date	<u>'Y</u>			
II. TRANSPORTER (General		and Trar		··\	[f. Date				
a. Transporter's Name and Address:	ator complete	aru anu mu.	isporter completes	ilc-e) د					
1027 Bacon Road									
Hinesville, GA 31313		530							
b. Phone: 912.412.2402		50) J						
b. Frione.		-							
Little Lastinge	KIX X	W. SA	8. X. 3.	X /2	ZIVIX				
c. Driver Name (Print)	d/Stonature	75-	BALL	Data.	2/14/14				
III. DESTINATION (Generato	complete Illa-c	Posting	st Asslake	e. Date					
a. Disposal Facility and Site Address:	A COmplete ma-c	and Destina							
a. Disposal Facility and Site Address:	0	c. US EPA Numb	nber d. Discrepancy Ir		e:				
Savannah Regional Industrial	Landfill				•				
84 Clifton Blvd			1						
b. Port Wentworth, GA 31407	912.964.2812	•	ļ						
I hereby certify that the above named mater	rial has been accepte	ed and to the be	et of my knowledge thr	- foregoing is to	and				
1 777	1/-25	27	Normal miles	VIOLEROILIA IO CO	1 . 1.				
e. Name of Authorized Agent (Print)				<u> </u>	-11 2				
	f. Signature			g. Date		-			
THE TOTAL (SOLICITATION OF	ompletes IVa-t ar	nd Operator c	complete IVg-i)						
a. Operator's Name and Address:			c. Responsible Agency	- Name and Adr	· 4				
			at the periodic and area,	/ Name and noc	iress:				
		1							
b. Phone:		1	- ·						
e. Special Handling Instructions and Addition	and Information:		d. Phone:						
	Adl Illiotmanon.								
f. Friable Non-Friable Both	% Friable	A	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby di and are classified, packaged, marked and la	doctors that the seek				that shows h	AL - menner c'			
and are classified, packaged, marked and la national governmental regulations.	abeled/placarded, and	d are in all respe	acts in proper condition	of for transport ar		y the proper so	nipping name		
лавопа: доченинены гединионь.				Or Device	Columny	ppilozoie inter.	USTICUSI SITU		
	l								
g. Operator's Name and Title (Print)	h. Signature				-				
*Operator refers to the company which owns	- lageag onerates, C		- Who being	i. Date					
renovation operation or both	, 100000, opt	יים יפוסונוטוסייי	vises the facility being	demolished or r	renovated, or	r the demolition	n or		
·									

1741 Lexi	14 D Envi Calks	ronmer Ferry SC	NNAH REGIO 84 CLIFT DRTH, GA ntal Serv y Rd. 29073	ON BLVD	2-964-2812	İ	SITE TICK 01 WEIGHMASTEI SUSAIN 12-12-2 VEHICLE 3N-22 REFERENCE 2204040 BILL OF LADIN	943681 8 614 7:2	8 am 12-	TIME OUT 12-2014 AINER	7:28 az
	SCALE SCALE			WEIGHT WEIGHT	62,660 21,480	NET T		20.59		INBOUND	·
20.59	01417				SCRIPTION			RATE	EXTENSION	TAX	TOTAL ~
20.09		FEE-H.	AUL/TRANS	/TRUCK	CHATHAM	COUNTY	REGION				***************************************
20.59 1.00 1.00		ENVIR	NT SOIL ONMENTAL RECOVERY		CHATHAM	COUNTY	REGION				
											NET AMOUNT

The undersigned individual signing this document on behalf of Customer acknowledges that he or sine has read and understands the terms and on the reverse side and that he or she has the authority to sign this document on behalf of the customer [1].

2/21

TENDERED

CHANGE CHECK=



2204040

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la-r)					
a. Generator's US EPA ID Number N/A	b.	D. Manifest Docum	ment Number		c. Page	e 1 of 1	
d. Generator's Name and Location: Rineem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:			e. Generator's Mailing Address: ASU Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:				
If owner of the generating facility differs from	om the generator, pro	ovide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date		pping Name and		ntainers	n. Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
31101420787		Non-Regul	ulated Soll	Di	ımp		Tons
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, clawaste is a treatment residue of a previousl been treated in accordance with the requirement of the contract of t	sly restricted hazardous rements of 40 CFR 26	us waste subject 668 and is no long	t to the Lead Disease! Destrict	on according rictions. I ce defined by 4	ng to applic	cable regulation warrant that the 51.	applicable is; AND, if this waste has
p. Generator Authorized Agent Name (Prin		gnature	U		r. Date		
II. TRANSPORTER (Gener	II. TRANSPORTER (Generator completes IId-6 and Transporter completes IIC-6)						
1027 Bacon Road Hinesville, GA 31313 b. Phone:	1027 Bacon Road Hinesville, GA 31313 012 412 2402						
c. Driver Name (Print)	d. Signature	تهالعد	XIII	X 1	112/14		
III. DESTINATION (Generate			ation Site completes III	6. Date			
a. Disposal Facility and Site Address:		c. US EPA Numi			0.		
Savannah Regional Industrial 84 Cliffon Bird 90 Port Wentworth, GA 31407	912.964.2812			·			
I hereby declify that the above named mate	arial has been accepte	ed and to the be	st of my knowledge the fore	egoing is tn	ue and ac	curate.	
		X		10	7115	71H	
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator of	Signature			g. Date			
IV. ASBESTOS (Generator c a. Operator's Name and Address:	completes IVa-i ar		c. Responsible Agency Nan	me and Ad	dress:		
 b. Phone: e. Special Handling Instructions and Addition 	and Informations		d. Phone:			···	
	Shai information,						
f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby cand are classified, packaged, marked and I national governmental regulations.	% Friable declare that the conte labeled/placarded, and	onto of this sensi-	% Non-Friable ignment are fully and accura ects in proper condition for to	ately descri transport a	ibed above ccording to	by the proper o applicable into	shipping name emational and
			1	ı			
g. Operator's Name and Title (Print) *Operator refers to the company which cure	h. Signature	a		i. Date			
*Operator refers to the company which own renovation operation or both	is, leases, operates, c	controls, or super	rvises the facility being dem	nolished or	renovated	, or the demoliti	ion or

CUSTOMER

SILE

PORT WENTWORTH, GA

8¢ CTILLON BIAD

SAVANNAH REGIONAL LANDFILL

сн∉ск≖ on the reverse side and that he or she has the authority to sign this document on behalf of the customer. The undersigned individual signing this document on benalf of Cualomer acknowledges that he or she has read and understands the terms and conditions CHANGE TENDERED NET AMOUNT ENET RECOVERY FEE 1.00 ENAIBONWENTET EEE 2 1.00 CHATHAM COUNTY REGION 2M-COML ZOIF ΝI 72.81 ΧD 00.0 CHATHAM COUNTY REGION EEE-HAUL/TRANS/TRUCK AЗ 7S.81 JATOT XAT EXTENSION BTAR DESCRIPTION TINU .Y10 INBORND 36,540 MET WEIGHT 000'52 TARE WEIGHT SCALE OUT LZ:8I NEL LON2 075'09 CKOSS MEICHI SCALE IN BILL OF LADING 31101420787 INAOICE SSO4041 BELEBENCE BN-3S rexington, SC 29073 1741 Calks Ferry Rd. A & D Environmental Services, LLC CONTAINER **AEHICLE** 1000T

815-864-2815

TE OF: T 12-12-2014 ms OE: V 12-12-2014 TUO BISITATI DATEMINE IN RETEAMHDIEW 943682 TO כברר TICKET # BLIS



2204041

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

i. GENERATOR (Generate	or completes	s la-r)						
a. Generator's US EPA ID Number	· · · · · · · · · · · · · · · · · · ·		Manifest Docur	nent Number		c. Page	1 of	
N/A								1
d. Generator's Name and Location: Rheem Manufacturing Compa	SNY			e. Generator's Maili	ng Address:			
139 Brampton Road	311 y				ronmental Servic IIn Park Avenue	es, LLC		
Savannah, GA 31408				Buford, GA 30518				
f. Phone: If owner of the generating facility differs fr	om the general	or pro	uido:	g. Phone:			· · · · · · · · · · · · · · · · · · ·	
i	om the general	ior, prov	Aue:					
h. Owner's Name:	T			i. Owner's Phone N				
j. Waste Profile #	k. Exp. Date		I. Waste Ship Description	ping Name and		ntainers	n. Total	o. Unit
			Description		No.	Туре	Quantity	Wt/Vol
34.04.00						1		
31101420787			Non-Regu	lated Soll	ם	վmp	! .	
	·					-	 	Tohs
	[
						ļ		
								1
GENERATOR'S CERTIFICATION: I here	by certify that t	he abov	e named mate	rial is not a hozordour	a weeks on defin	1 5 40.0	FD 004	<u>l</u>
1 state 1844, tias been properly described. C	iassiiled and ba	ICKAGEG	and is in nion	Pr COndition for transc	vortation accordi	ilaaa at aa		ANID MALIA
I waste is a nearment residue of a breating	av resincieo na	ZRIGOLIS	todinis algews	In the Land Disposal	Doctoriotions I a			e waste has
coop realed in accordance with the requi	rements of 40 (JFIX 26	8 and is no long	jer a hazardous waste	e as defined by	10 CFR 26	1.	
+AVL GHZ70		Her	(Snd	15 AGENTEN GO	inc 2 # tex	12/10	114	
p. Generator Authorized Agent Name (Print)								
II. TRANSPORTER (Gene	rator comple	etes lla	a46 and Trar	sporter complete	s llc-e)			-
a. Transporter's Name and Address:								
1027 Bacon Road		5) .					
Hinesville, GA 31313		14	5NU 32	/				
b. Phone: 912.412.2402	1.5							
X Clarence Littles	X	1 Va	an in make	artio.	X 17	1,2/14	,	
c. Driver Name (Print)	d. Şi	gnature			e. Date	1-1-7		
III. DESTINATION (General	or complete	Illa-c	and Destina	tion Site complet	es IIId-g)			
a. Disposal Facility and Site Address:			. US EPA Num		Indication Space	e:		
Savannah Regional Industri	ai Landfill				•			
84 Cillon Blvd								
b Port Wentworth, GA 31407	912.954.281		-					
hereby certify that the above named mat	erial has been	accepte	d and to the be	st of my knowledge ti	he foregoing is t	ue and ac	curate.	
	6	、フ				-15	>- 14	
e. Name of Authorized Agent (Print)	f. Sig	nature			g. Date			
IV. ASBESTOS (Generator	completes I\	/a-f ar	nd Operator	complete (Va-i)				
a. Operator's Name and Address:	· · · · · · · · · · · · · · · · · · ·			c. Responsible Agen	cv Name and A	dress.	··-	
			-		-, · · · · · · · · · · · · · · · · · · ·			
			İ					
b. Phone:				d. Phone:				
e. Special Handling Instructions and Addit	ional Informatio	n:						
f. ☐ Friable ☐ Non-Friable ☐ Both	94	Friable		% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby	declare that the	e conte	nts of this cons	noment are fully and	accurately desc	ihed show	e hy the area	or chinning some
and are classified, packaged, marked and	labeled/placard	ded, and	d are in all resp	ects in proper condition	on for transport	according (o applicable i	nternational and
national governmental regulations.					·			
	1							
g. Operator's Name and Title (Print)	h. Si	gnature			i. Date			
*Operator refers to the company which ow renovation operation or both	ns, leases, ope	rates, c	ontrols, or supe	rvises the facility bein	ng demolished o	renovate	d, or the demo	olition or

The undersigned individual signing this document on behalf of Customer nekroonledges that he or she has read and understands the terms and conditions the undersigned individual signing this document on behalf of the customent on the new read and that he or she has the netherity to some this document on behalf of the customent of the reverse side and that he or she has the netherity to some this document on behalf of the customent of the custome		SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 84 CLIFTON BLVD 912-964-2812 PORT WENTWORTH, GA 100014	
A Customer nekroosledges that he or she has read and a third decument on behalf of the customen statement on behalf of the customen.		O1 9.01 10.81 9.01 9.01 9.01 9.01 9.01 9.01 9.01 9.0	
undershinds the terms and conditions		CELL OATEFINE OUT 12-12-2014 12-40 INVO A, 800 EXTENSION TAX RATE EXTENSION TAX	
CHECKA	NET AMOUNT TENDERED	7:39 all 101CE	

212

	Anutaken but ben sed sale to an tade embalworks amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded as trail amoreto sale to haded and haded as trail amoreto sale to haded and haded and haded and haded amoreto sale to haded and haded amoreto sale to haded and haded amoreto sale to haded and haded amoreto sale to haded amoreto sale to haded and haded amoreto sale to haded amoreto sale to haded and haded amoreto sale to haded and haded amoreto sale to haded am	an souther) to history to herminob sett p The outerful absent Whorline art or a old	strupts faubivibra beoperiobra- se or feitt ban isbr- istrivat on	ort1
NET AMOUNT CHARGE	AM COUNTY REGION NET WEIGHT NET TOUS 18.43 NET TOUS 18.43 NET TOUS 18.43 NET TOUS 18.43 NET TOUS 18.43 NET TOUS 18.43 NET TOUS 18.43 NET TOUS SEVENSE TOUS SEVENSE TOUS SEVENSE TOUS SEVENSE TOUS SEVENSE TOUS SEVENSE TOUS SEVENSE TOUS SEVENSE TOUS TOU	FEE STILL SA,000 WEIGHT 24,000 WEIGHT 60,860 WEIGHT 60,860	IN GROSS OUT TARE SW-CONT SOIL ENVIRONMENTAL EUVIRONMENTAL EUEL RECOVERY	PORT WER 100014 100014 100017 100018 1000



2204043

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes is						
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	∋ 1 of	
N/A		<u> </u>				1	
d. Generator's Name and Location: Rheem Manufacturing Compa	780		e. Generator's Mailing Address: A&D Environmental Services, LLC				
139 Brampton Road	ni y		A&D Environmer 4943 Austin Pari		s, LLC		
Savannah, GA 31408			Buford, GA 30518				
f. Phone:			g. Phone:	10			
If owner of the generating facility differs from	om the generator,	provide:					
h. Owner's Name:			l				
j. Waste Profile #	L Evo Dato	I Manta Chir	i. Owner's Phone No.:	T - 0-1			
j. Waste i Tollie #	k. Exp. Date	Description	oping Name and	m. Cont		n. Total	o. Unit
				No.	Туре	Quantity	Wt/Vol
24 4 0.4 4000007	1	_		1		j	
31101420787	1	Non-Regu		Dur	пр	1	
					·	To	วกร
	1	1		T			
	1]		1	
	1	1					
				 		 	
	l .						1
	l					ļ	
GENERATOR'S CERTIFICATION: I have	to and the state		· · · · · · · · · · · · · · · · · · ·]	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cla	Dy certify that the a	above named mater	rial is not a hazardous waste	as defined	by 40 C	FR 261 or any ap	plicable
waste is a treatment residue of a previous	iassilieu aliu packa Su restricted hazarr	igeo, ano is in propi	per condition for transportation	on according	to applic	cable regulations;	
been treated in accordance with the requir	rements of 40 CFF	2368 and is no long	. to the Land Disposal Result ner a hazardous waste as de	CUONS. I CER ofined by Aft	ity and w	varrant that the wa	aste has
PAUL GAZZO	1/	1.116 . 1	10		4. 1		
		(00 /2/11)	AS AGENT FOR GENER	in toil	12/1	0/14	
p. Generator Authorized Agent Name (Prin		Signature	0	7	r. Date		
II. TRANSPORTER (Generator completes liab and Transporter completes lice)							
a. Transporter's Name and Address: Ban Trucking							
1027 Bacon Road	Λ.	., 77					
Hinesville, GA 31313	LI	Vグレー					
b. Phone: 912.412.2402	1).						
N. N.	157 7	7	1140			····	
X Marence Lilles	X ['	lanoin d	(11711), I	X 121	12/1	i U	
c. Driver Name (Print)	d. Signa		ACCOUNTY OF THE PARTY OF THE PA	e. Date	111	1	
III. DESTINATION (Generate			ation Site completes III	6. Date			
a. Disposal Facility and Site Address:	or oompioto	c. US EPA Num					
		C. US EFA Num	d. Discrepancy Indica	ition Space:			
Savannah Regional Industria 84 Clifton Bivd	il Landfill						
Dort Montworth CA 31407	912.964.2812~						
O .		<u> </u>					
I hereby certify that the above named male	arial has been acco	epted and to the be	est of my knowledge the fore	going is true	and ac	curate.	
		*			7	1 L	i
e. Name of Authorized Agent (Print)	- T-Signatu			1.2	> 1		
				g. Date			
	completes Iva-i						
a. Operator's Name and Address:			c. Responsible Agency Nam	ne and Addr	ess:		
		1	= •				
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addition	onal Information:		d. Phone.				
•							
			_				
f. Friable Non-Friable Both	% Fria	able	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and I	declare that the co	votante of this consi	ignment are fully and are	itely describ	ed above	e by the proper sh	ipping name
and are classified, packaged, marked and l national governmental regulations.	labeled/placarded,	and are in all respe	ects in proper condition for tr	ransport acc	cording to	o applicable intern	national and
national governmental regulations.		······		`			
g. Operator's Name and Title (Print)	h. Signat	uro					
*Operator refers to the company which own	ns. leases, operate	s. controls, or supe	rvises the facility being dem	i. Date		Ab	
renovation operation or both	, , , , , , , , , , , , , , , , , , ,	of countries of cabe	a 41969 me lacinty nemy dem	Onsneu or re	Movared	i, or the demolition	1 or

·		·	
CELL	TNROIME	TAX TOTAL	TENDERED TENDERED CHANGE CHECK#
Sufficient 1943697 Verditabilities 1943697 Susan-D. S	NET TONS 21.71 5T WEIGHT 43,420	CHATHAM COUNTY REGION CHATHAM COUNTY REGION	The undersigned individual signing this discument on behalf of Customer netrocyledges that he or she has/find and understands find terms and dopplinons (UPR (U7.12)) SIGNATURE SIGNATURE
ANDFILL VD 912-964-2812 LLC	900 480 NI	ОЕБСПРТОЛ СНАТНАМ СОІ СНАТНАМ СОІ	Customer acknowledges that he or this decument on behalf of the customer and the customer section of t
SAVANNAH REGIONAL LA 84 CLIFTON BLV ENTWORTH, GA ONMENTAL Services, I Ferry RG.	IN GROSS WEIGH OUT TARE WEIGH	FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	rdividual signing this discument on behalf of and that he or she has the authority to sign 2721
PORT W CUSTOAREN 100014 A & D Envir 1741 Calks Lexington, 31101420787	SCALE SCALE OTV. UNIT	21.71 EA 20.00 YD 21.71 IN 8 1.00 E 1.00	The undersigned in an the reverse side. RS-F042UPR (07/12)



2204044

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

#

I. GENERATOR (Generato	or completes is						
a. Generator's US EPA ID Number N/A		b. Manifest Docum	ment Number		c. Page	e 1 of 1	
d. Generator's Name and Location: Rheem Manufacturing Compa	วกษ	1 	e. Generator's Mailing Add	dress:	- 110		
139 Brampton Road	, y		4943 Austin Park	Mai Seivices IX Avenue	ملكا , ز		
Savannah, GA 31408			Buford, GA 3051				
If owner of the generating facility differs from	rom the generator	arada.	g. Phone:				
	om the generator,	provide:					
h. Owner's Name: i. Waste Profile #	Li. Fin Data	1 + tainein Chi	i. Owner's Phone No.:				
J. Waste Florie #	k. Exp. Date	I. Waste Ship Description	pping Name and	m. Conta		n. Total	o. Unit
				110.	Туре	Quantity	Wt/Vol
31101420787	1	Non-Regui	ilated Soll	Dum	ពក		
	<u> </u>		1	7	Ψ	Tr	one
1	I			 		+	
1	1		ı			1	
	1		1	1			
1				1		+	+
<u> </u>	l		į				
CENTED ATODIO OF OTTERIOR TION. I have	L	<u> </u>	····		1		
GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, cla	by certify that the a	above named mater	rial is not a hazardous waste	e as defined	by 40 C	FR 261 or any ap	plicable
waste is a treatment residue of a previously	slv restricted hazar	egeu, anu is in prope	to the land Simon to transportation	on according	to applic	cable regulations;	AND, if this
()	rements of 40 CFF	3-268 and is no long	ger a hazardous waste as dr	efined by 40	CFR 26	<i>i</i> amant mat uie wa 31.	aste nas
HAUL GHZ70	1/2	Til Pant	A	/ \	1.0	<u></u>	
p. Generator Authorized Agent Name (Prin		. Signature	H) Agentor Gasof	7	12/10 - Data	114	
II. TRANSPORTER (General							
a. Transportation Properties Address:			oportor completes no .	<u>e)</u>			
1027 Bacon Road		a	_				
Hinesville, GA 31313 912.412,2402		BN.	N. C.				
b. Phone:		· -					
XSharron Littles	· Kst	MAIM	AHA.	X 12/17	slich		
c. Driver Name (Print)	d. Signa	ature	- Color	e. Date	TINA		
III. DESTINATION (Generate			ation Site completes Illd	4-a)			
a. Disposal Facility and Site Address:		c. US EPA Numb	nber d. Discrepancy Indical				
Savannah Regional Industrial	il Landfill			wer epass.			
84 Clifton Bivd Port Wentworth, GA 31407	912.964.2812						
D. X	7 -						
I hereby certify that the above named mate	rial has been acce	epfed and to the be	st of my knowledge the fore	going is true	Land acr	curate.	i
		-	> /	1 1	Ì.	7	T
e. Name of Authorized Agent (Print)	f. Signatu			g. Date		1	+
IV. ASBESTOS (Generator co	ompletes IVa-1	f and Operator	complete IVg-i)				
a. Operator's Name and Address:			c. Responsible Agency Nam	ne and Addr	ess:		
		I					
h Dh		1					
b. Phone:e. Special Handling Instructions and Addition	and Information:	L′	d. Phone:				
or opposite containing management of a containing	Mai illiuimauun.						
f. ☐ Friable ☐ Non-Friable ☐ Both					_		
OPERATOR'S CERTIFICATION: I hereby of	% Fria	cotonte of this soci	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby of and are classified, packaged, marked and la national governmental regulations.	labeled/placarded.	and are in all resp	gnment are fully and accurated to proper condition for the	itely describe	d above	by the proper sh	ipping name
national governmental regulations.			acts in proper conclusion to a	ansport av	ording w) abblicable intern	ational and
						-	
g. Operator's Name and Title (Print)	h. Signat	ture		i. Date			
*Operator refers to the company which own renovation operation or both	s, leases, operate	s, controls, or super	rvises the facility being demi	olished or re	novated	. or the demolition	o or
removation operation or both			· -			,	, 0.

01 943703	Susan D.	10000
SAVANNAH REGIONAL LANDFILL 84 CLIFTON RIVD .	964-2812	.00014

				MT GT&CA
INVOICE	ស	2204045	1073	Lexington, SC 29073 31101420787
12-12-2014 8:59 am 12-12-2014 8:59 NE-5308	-2014 8	12-12-2 NE-5308	100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd.	100014 A & D Environmenta 1741 Calks Ferry R

8:59 am

22.53 45,060		
72,460 NET TONS 27,400 NET WEIGHT	CHATHAM COUNTY REGION	CHATHAM COUNTY REGION
SCALE OUT TARE WEIGHT	EA FEE-HAUL/TRANS/TRUCK YD	SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE
SCAL		22.53 TN 1.00 1.00

INBOUND



2204045

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

i. GENERATOR (Generate	or completes la-ı	-)					
a. Generator's US EPA ID Number b. Manifest Doc			nent Number c. Page 1 of				
N/A			1				
d. Generator's Name and Location: Rheem Manufacturing Company			e. Generator's Mailing Address: A&D Environmental Services, LLC				
139 Brampton Road	,		4943 Austin	Park Avenue	28, LLC		
Savannah, GA 31408			Buford, GA 30518				
If owner of the generating facility differs from the generator, provide:			g. Phone:				
h. Owner's Name:	generally p						
j. Waste Profile #	k. Exp. Date	I Masta Shin	i. Owner's Phone No.: pping Name and				
, , , , , , , , , , , , , , , , , , , ,	k. Exp. Date	Waste Shipping Name and Description		No.	Type	n. Total Quantity	o. Unit Wt/Vol
					1,750	Guardiy	*******
31101420787		Non-Regulated Soll		n	ump	1	
				1	~ duch		Tons
					1	1	
						Ì	
					İ	j	
GENERATOR'S CERTIFICATION: L boro	bu postifu that the al-	<u> </u>					
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted bazardous waste as the law of the law							
been treated in accordance with the requirements of 40 CFB 268 and is no longer a hazardous waste as defined by 40 CFR 261.							
AVL COAZZO FOR PS AGENT FOR GENERATOR 12/13/14							
p. Generator Authorized Agent Name (Print) /g. Signature							
II. TRANSPORTER (Generator completes Ma-b and Transporter completes lice)							
Ban Haring and Address:							
1027 Bacon Road							
1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402							
b. Phone: 912.412.2402							
Next raching X Sat Lastinger X 1/1/11							
e/ Driver Name (Print) d. Signature e. Date							
III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g)							
a. Disposal Facility and Site Address: c. US EPA Number d. Discrepancy Indication Space:							
Savannah Regional Industrial Landfill							
84 Ciffon Bivd b Port Wentworth, GA 31407 912.964.2812							
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.							
				17-12-16			
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:							
h Dheno:							
b. Phone: d. Phone: e. Special Handling Instructions and Additional Information:							
	Chai miomiation.						
f. ☐ Friable ☐ Non-Friable ☐ Both	0. = 1						
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consumer to the contents of the contents							
The state of the s							
national governmental regulations.						applicable life	anauonai ano
g. Operator's Name and Title (Print)	h. Signatur	е		i. Date			
*Operator refers 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 FORMER (2712) 19.39 The undersigned individual signing this document on behalf of the above at Eurosledges that v_i is she has read and understands the forms and conditions of the receiver side and that he or she has the additionly to sign this document on behalf of the sustance $\frac{1}{4}$. 1.00 19.39 0.00 1741 Calks Ferry Rd. Lexington, SC 29073 31101420787 A & D Environmental Services, LLC 100014 SCALE IN S PORT WENTWORTH, GA SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE FEE-HAUL/TRANS/TRUCK SAVANNAH REGIONAL LANDFILL
84 CLIFTON BLVD GROSS WEIGHT TARE WEIGHT 912-964-2812 DESCRIPTION 24,000 62,780 CHATHAM COUNTY REGION CHATHAM COUNTY REGION THE HOLLYMENS NET WEIGHT NET TONS BILL OF LADING BN-32 REFERENCE 2204046 12-12-2014 Susan D. WEIGHMASTER 943707 SITE TICKET # 38,780 RATE 19.39 EXTENSION 12-12-2014 CONTAINER DATE/TIME OUT CELL GNDOBNI ΧX NET AMOUNT INVOICE CHANGE CHECKS TENDERED 9:11_ar TOTAL



2204046

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

#	
2	

I. GENERATOR (Generate	or completes I	a-r)							
a. Generator's US EPA ID Number N/A			Docun	cument Number c. Page 1 of					
d. Generator's Name and Location Compa Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408 f. Phone:	any			e. Generator's Mailing Address Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:					
If owner of the generating facility differs fr	om the generator,	provide:		5					
h. Owner's Name:		i. Owner's Phone No.:							
j. Waste Profile #	k. Exp. Date I. Waste Sh			ping Name and	m. Co	ntainers	n. Total	o. Unit	
		Descrip	tion		No.	Туре	Quantity	Wt∕Vol	
31101420787	Non-Reg			ated Soli	מ	итр	1	· ons	
GENERATOR'S CERTIFICATION: I here state law, has been properly described, of waste is a treatment residue of a previous been treated in accordance with the requi	assmed and pack Iv restricted haza	ageo, and is in Idous waste si) propo (hiect	er condition for transportati	ion accordir	ng to applic	cable regulations	A A 400 10 41 1	
1 AUL GAZZO	1 /	will an	1/1	& Agent For Gene	24/02/	12/1	Aliv		
p. Generator Authorized Agent Name (Pri		. Signature		•		r. Date	·//		
II. TRANSPORTER (Gene	rator complete	s lla-b and	Tran	sporter completes llo	;-e)			·	
a. Transporter of Narching Address:				_					
Hinesville, GA 31313 912.412.2402				BN 32					
X Universe Littles	XÜ	anone	لله	tic.	X n	lizliy			
c. Driver Name (Print) III. DESTINATION (Generat	d. Sign			tion City annual to 1	e. Date				
III. DESTINATION (Generat a. Disposal Facility and Site Address:	or complete in	c. US EPA							
Savannah Regional Industri 84 Clifton Blvd Port Wentworth, GA 31407	912.964.2812				·	-			
I hereby certify that the above named mat	erial has been acc	cepted and to t	he be	st of my knowledge the for	regoing is tr	ue and ac	curate.		
					112	-13) kid		
e. Name of Authorized Agent (Print)	f. Signa				g. Date				
IV. ASBESTOS (Generator	completes IVa	-f and Oper							
a. Operator's Name and Address:				c. Responsible Agency Na	ame and Ad	dress:			
b. Phone:				d. Phone:					
e. Special Handling Instructions and Addit	ional Information:							-	
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fr	iable		% Non-Friable					
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	declare that the diabeled/placarded	contents of this d, and are in al	consi I resp	gnment are fully and accur ects in proper condition for	rately descr transport a	ibed abov sccording t	e by the proper of applicable inte	shipping name mational and	
g. Operator's Name and Title (Print)	h. Signa	ature			i. Date				
*Operator refers to the company which ow renovation operation or both	ns, leases, operat	les, controls, o	r supe	rvises the facility being de	molished or	renovated	d, or the demoliti	on cr	

CUSTOMER LUUVI" Environmental Services, LLC
LUUVI" Environmental Services,
A & Calks Ferry 9073
A & Calks SC 29073
Lexington, 31101420787 PORT WENTWORTH, GA SAVANNAH REGIONAL LANDEILL 20.00 21.A7 SCALE OUT 9 WAN REGION BLVD 912-964-2812 + FEE-HAUL/TRANS/TRUCK The control introduction of the transfer of the many to reduce the control of the SM-CONT SOIL EMVIROMMENTAL FEE 5 FUEL RECOVERY FEE TARE WEIGHT DESCRIPTION 64,420 21,480 CHATHAM COUNTY REGION CHATHAM COUNTY REGION 943713 OJ MASTER NET WEIGHT NET TONS 12more 2014 BN-22 BN-22 BN-2204047 BILL OF LADING 42,940 21.47 DATEPHINE OUT 12-12-2014 container INBOUND INVOICE TENDERED CHANGE CHECKI



2204647

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes is	a-r)							
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page 1 of				
N/A		1	c. Page 1 or						
d. Generator's Name and Location: Rheem Manufacturing Compa 139 Brampton Road Savannah, GA 31408	any		e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518						
f. Phone:			g. Phone:	, 6					
If owner of the generating facility differs from	om the generator,	provide:							
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	k. Exp. Date	I. Waste Shir	pping Name and	1 m Cor	ntainers	n. Total	1 _ 1 lmis		
		Description	Abing trutho and	No.	Type	n. Total Quantity	o. Unit Wt/Vol		
!						G. 77075.			
31101420787		Man Post	-design at Albania	!	l				
51.51.5LG. C.		Non-Regu	nated Son	Du	mp		_ _		
				+			Tons		
!	1	1		1 1	1				
!	1	1		1	l	1			
	 				<u></u>				
1	1			1 1	i –				
1	1	l]]	l .	f			
	<u></u>			1 1	i				
GENERATOR'S CERTIFICATION: I here state law, has been properly described, of	by certify that the a	above named mate	rial is not a hazardous wastr	e as define	d by 40 C	FR 261 or any	applicable		
waste is a treatment residue of a previous	slv restricted hazard	ageo, ano is in propi	per condition for transportation	on according	g to applic	cable regulation			
waste is a treatment residue of a previous been treated in accordance with the require							waste has		
	1/	7////	Her a Hazaruuna wasio as ac	Mined by -	/	1			
PHUL GHZ70	1/1	CUL Sout	AS AGEST FORGEN	LEXALON	1) 12	110/14			
p. Generator Authorized Agent Name (Prin		. Signature//		1	r. Date				
II. TRANSPORTER (Gener	rator completes	s Ila-byand Trar	nsporter completes lic-	e)					
a. Transporter's Name and Address:				<u> </u>					
1027 Bacon Road		^							
Hinesville, GA 31313		W	ハ フル						
b. Phone: 912.412.2402		- Y	NV						
V (1) 30 1 1111	21 V 2	10000	A AHALL	1/ -	V 1				
X Sharlon Little		MUUUV	Jelus I	X 10	177114				
c. Driver Name (Print)	d. Signat			e. Date					
III. DESTINATION (Generate	or complete Illa	a-c and Destina	ation Site completes Ille	d-a)	·				
a. Disposal Facility and Site Address:	·	c. US EPA Num							
Savannah Regional Industria	at Landfill			mon open	•				
84 Cillion Bivd	II LARUM		1						
b. Port Wentworth, GA 31407	912.964.2812								
I hereby certify that the above named mate	1	ented and to the br	act of my knowledge the fore	ina ie in	20	-4-			
A series related that		Apred Bird to the	ISLOI IIIY KIIOWIGUSG IIIG 1010	going is us	ie anu au	curate.			
		3-11		1 4-1	·) /-			
e. Name of Authorized Agent (Print)	f. Signatu			g. Date					
IV. ASBESTOS (Generator o	completes IVa-r	f and Operator	complete IVg-i)		 -				
a. Operator's Name and Address:			c. Responsible Agency Nan	me and Adr	dress:				
			The company of the co	no arrain	11666.				
		i							
b. Phone:		1	d. Phone:						
e. Special Handling Instructions and Additi	ional Information:		d. Filone.						
-									
/ C Ciatia C Nas Pilable C Bath	A F								
f. Friable Non-Friable Both	% Fria	able	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations	deciare that the cu	intents of this consi	ignment are fully and accura	itely descri	bed above	a by the proper	shipping name		
national governmental regulations.	abeleuplaceruce,	ally are in an resp	ects in proper condition for the	ransport ac	cording to	o applicable inte	mational and		
			T						
Control of the contro					_				
g. Operator's Name and Title (Print) *Operator refers to the company which our	h. Signate	ture		i. Date					
*Operator refers to the company which owr renovation operation or both	As, leases, operator	s, controls, or supe	ervises the facility being dem	olished or	renovated	I, or the demolit	ion or		

IONAL LANDFILL TON BLVD	CUSTOMER DORT WENTWORTH, GA 912-964-2812 SUSAND D. CONTAINE OUT DO 145 am 12-12-2014 9:45 am 100014 CONTAINER CONTAINER D.		SCALE IN GROSS WEIGHT 72,980 NET TONS 22.79 SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 45,580 INBOUND	DESCRIPTION TAX TOTAL	EA FEE-HAUL/TRANS/TRUCK	22.79 TN SW-CONT SOIL CHATHAM COUNTY REGION 1.00 FUEL RECOVERY FEE			NEL AMOUNT:	TENDERED	CHANGE CHANGE	The understance individual signing this document on Penal or the customer on the reverse side and that he or she has the authority to sign that document on behalf of the customer on the reverse side and that he or she has the authority to sign that document on behalf of the customer.
----------------------------	--	--	--	-----------------------	-------------------------	--	--	--	-------------	----------	---------------	--

SIGNATURE SIGNATURE

2721

RS-F042UPR (07/12)



2204048

If waste is asbestos waste, complete Sections I, II, III and IV

2204048	If waste is asbesto	s waste, complete bestos waste, co	e Sections I, II, III and IV mplete Sections I, II and	# 	:						
I. GENERATOR (Generator			• • • • • • • • • • • •	•••							
a. Generator's US EPA ID Number		r) b. Manifest Docur	mont Aturahan								
N/A	i i	J. Mannest Door	Hent Number		c. Page	e 1 of 1					
d. Generator's Name and Location: Rineem Manufacturing Compan	IA.		e. Generator's Mailing A&D Environ	Address:							
139 Brampton Road		A&D Environ 4943 Austin	imemzi Servic Park Avenue	es, LLC							
Savannah, GA 31408 f. Phone:			Buford, GA 3	30518							
If owner of the generating facility differs from	m the generator or	muide:	g. Phone:			·····					
	n the generator, pri	Ovide:			_						
h. Owner's Name: j. Waste Profile #	t Em Bay		i. Owner's Phone No.:								
J. Wester rough	k. Exp. Date	I. Waste Ship Description	ping Name and		ntainers	n. Total	o. Unit				
				No.	Туре	Quantity	Wt/Vcl				
31101420787		Non-Regul	istad Call		l	1					
		(40)FIZER		1 01	mp	1 .	Tons				
		 		' 	 	 	1008				
		1			1						
					ĺ						
					 						
					l						
GENERATOR'S CERTIFICATION: I hereby state law, has been properly described, class	/ certify that the abr	ove named mater	rial is not a hazardous w	aste as define	d by 40 C	ED 261 or 2014					
waste is a treatment residue of a proviously	sostsiated hamanda	o, and is in prope	er condition for transport	ation according	g to applic	Cable regulations	applicable				
waste is a treatment residue of a previously been treated in accordance with the requirer	restricted nazardot ments of 40 CFR 2	us waste subject	to the Land Disposal Re	strictions. I ce	rtify and v	varrant that the	waste has				
PAUL GOHZZE	1/2	1/2 /	/ A Hazardous waste as	s delined by 41	D CFR 26	1.					
p. Generator Authorized Agent Name (Print)	4766	+ 4110(H	S Agent for time	(440Z)	17.1	עולטו					
		gnátuře	0		r. Date						
II. TRANSPORTER (General a. Transporter Name and Address:	tor completes I	Ka-b and Tran	sporter completes I	lc-e)							
1027 Bacon Road		. //									
Hinesville, GA 31313	4	378									
b. Phone: 912.412.2402	ノ	700									
VITTIATI	-11/	ميس بشرور		1.7.1.1			·				
A JETHICOKING	1 DO	1- 16	20 line	TX/VI	12/11/						
c. Driver Name (Print) III. DESTINATION (Generator	d. Signatur			e. Date							
	complete Illa-c	and Destinat									
a. Disposal Facility and Site Address:	1	c. US EPA Numb	ber d. Discrepancy Ind		:						
Savannah Regional Industrial L 84 Clifton Bivd	_andfill						+				
Dott Wartworth CA 24407	912.964.2812						1				
U.											
I hereby sertify that the above named material	al has been accept	ed and to the Des	st of my knowledge the fe	oregoing is tru	e and acc	curate.					
a Namakan		\rightarrow		1 1	· -/-) 16					
e. Name of Authorized Agent (Print)	f. Signature			g. Date	<u></u>		<u>'</u>				
IV. ASBESTOS (Generator con	mpletes IVa-f a	ind Operator o	complete IVg-i)								
a. Operator's Name and Address:		-	c. Responsible Agency N	Name and Add	ress:						
			· · · · · · · · · · · · · · · · · · ·		••••						
b. Phone: e. Special Handling Instructions and Addition			d. Phone:								
e. Special Handling Instructions and Additiona	al Information:										
Friable Non-Friable Both	% Friable	e '	% Non-Friable		·						
OPERATOR'S CERTIFICATION: I hereby de- and are classified, packaged, marked and lab	clare that the conte	ents of this consider	inment are fully and acc	urately describ	ed above	by the proper s	shipping name				
and are classified, packaged, marked and lab national governmental regulations.	relearplacarded, an	id are in all respe	cts in proper condition fo	or transport ac	cording to	applicable inter	mational and				
				T		·					
g. Operator's Name and Title (Print)	- L Signatur										
*Operator refers to the company which owns	h. Signature	controle or super	arione the families being d	i. Date							
renovation operation or both	readou, oporatos, c	John Cis. Or Super	vises the racility being de	emolished or n	enovated,	, or the demolitic	on or				

Solution Savannah Regional Landelle Savannah Regional Landelle Savannah Regional Landelle Savannah	CELL DATE/TIME OUT 9:53 all CONTAINER INVOICE INVOICE CELL	INBOUND TAX TOTAL	A. NET AMOUNT
741 170 00 00 00 00 00 00	SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD 84 CLIFTON BLVD 84 CLIFTON BLVD 943725 Wetchwasten Susan D. November 14 D Environmental Services, LLC Calks Ferry Rd. 1420787 811 C C 29073 812 C 29073 812 C 29073	GROSS WEIGHT 62,340 NET TONS 19.17 TARE WEIGHT 24,000 NET WEIGHT 38,340 IAUL/TRANS/TRUCK CHATHAM COUNTY REGION NT SOIL ONMENTAL FEE 5 RECOVERY FEE	

The undersigned individual signing this document on behalf of Custorier 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.

4/00/2010

SIGNATURE____

TENDERED CHANGE CHECKA

2721

RS-FO42UPR (07/12)



2204043

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number N/A d. Generator's Name and Location: Rheem Manufacturing Cor 139 Brampton Road Savannah, GA 31408 f. Phone: If owner of the generating facility differ		. Manifest Docur	nent Number		c. Page	1 of				
Rheem Manufacturing Cor 139 Brampton Road Savannah, GA 31408 f. Phone:	mpany				ocument Number c. Page 1 of					
in owner or the generating facility differ			e. Generator's Mailing Address: A&D Environmental Services, LLC 4943 Austin Park Avenue Buford, GA 30518 g. Phone:							
1	s from the generator, pr	ovide:				'7				
h. Owner's Name:			i. Owner's Phone No.:							
j. Waste Profile #	k. Exp. Date	I. Waste Ship Description	ping Name and	m. Con No.	tainers Type	n. Total Quantity	o. Unit Wt/Vol			
31101420787		Non-Regu	ated Soil	Ðι	mp	Te	ons			
GENERATOR'S CERTIFICATION: I he state law, has been properly described waste is a treatment residue of a previous been treated in accordance with the re-	ously restricted hazardo	ru, and is in propi	er condition for transportation	n according	g to applic	able regulations;				
P. Generator Authorized Agent Name (Print) h. Si	gnature	AS Agent For ben	(Entic	12/1 r. Date	ो।४				
II. TRANSPORTER (Ge			sporter completes lic-	<u></u>	1. Date					
a. Transporer's Name and Address: Ban Tricking 1027 Bacon Road Hinesville, GA 31313		BN 3		<u> </u>						
b. Phone: 912.412.2402	X	Clasera		<i>i</i> /	2/12/11					
c. Driver Name (Print)	d. Signatu			e. Date	-//-/					
III. DESTINATION (General	rator complete Illa-c	and Destina	tion Site completes Ille	d-g)						
a. Disposal Facility and Site Address:		c. US EPA Num			:					
Savannah Regional Indus 84 Cliffon Bivd b. Port Wentworth, GA 3140	7 912.954.2812									
I hereby certify that the above named n	naterial has been accep	ted and to the be	st of my knowledge the fore	going is tru	e and acc	urate.	· — — — — — —			
				(-)·	./	- 11.				
e. Name of Authorized Agent (Print) IV. ASBESTOS (Generato	f. Signature			g. Date		<u>'</u>				
11000 (001101010101010101010101010101010	or completes IVa-f a									
a. Operator's Name and Address:			c. Responsible Agency Nar	ne and Ado	lress:					
b. Phone:e. Special Handling Instructions and Ad	Iditional Info		d. Phone:							
f. Friable Non-Friable Bo	oth % Friabl	e	% Non-Friable							
OPERATOR'S CERTIFICATION: I here and are classified, packaged, marked a national governmental regulations.	nd labeled/placarded, a	ents of this consi nd are in all respo	gnment are fully and accura ects in proper condition for t	itely descrit ransport ac	cording to	by the proper should be applicable interest.	nipping name national and			
g. Operator's Name and Title (Print)	h. Signatur	e	rvises the facility being dom	i. Date						

toursains obergins of bottl

ISTOMER 100014 A & D Envi	ironmental Services, LLC s Ferry Rd. , SC 29073	-964-2812	WEIGHMASTER Susan-D.				10:01 am
SCALE SCALE	S IN GROSS WEIGHT S OUT TARE WEIGHT	64,480 21,480	NET TONS NET WEIGHT	21.50 43,000	EXTENSION	I NBOUND	TOTAL
21.50 EA 20.00 YD 21.50 TN 1.00	FEE-HAUL/TRANS/TRUCK SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE		COUNTY REGION COUNTY REGION	nerc			
Tag underso	gaild individual signing this union contact heterolae side and that he or she has the buttle filly some	gir 6. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	s that he or she had read and	coderstants the ti	ctins am thitien		TENDERED CHANGE CHECK®

435 COMPLET B 7 T



2204050

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator	or completes la	a-r)					
a. Generator's US EPA ID Number N/A		b. Manifest Docu	ment Number		c. Page 1 of		
d. Generator's Name and Location Rivern Maintractumity Compa 139 Brampton Road	any	·	e. Generator's Mailing Ad ALD Emilionne 4943 Austin Pai	idress: Intal Servic Intal Servic	es, LLC	•	
Savannah, GA 31408			Buford, GA 305				
f. Phone:			g. Phone:				
If owner of the generating facility differs for	rom the generator,	provide:	3				
h. Owner's Name:	-						
j. Waste Profile #	I i. Cun Data	1 12/ 06/	i. Owner's Phone No.:				
j. Wasie Flome #	k. Exp. Date	I. Waste Ship Description	pping Name and		ntainers	n. Total	o. Unit
		Describitori		No.	Туре	Quantity	₩t/Vol
31101420787						1	1
31191420/0/		Nou-Kedn	ulated Soil	Di	mp	1	
	 		1		l		Tons
	1					1	
	1				l	1	
	1			1		1	
	·			-			
!	1				ĺ	1	1
	1				l		1
CENERATORIS CERTIFICATION III	<u> </u>						
GENERATOR'S CERTIFICATION: I herel state law, has been properly described, cla	by certify that the a	above named mate	rial is not a hazardous wast	e as define	d by 40 C	FR 261 or any	applicable
waste is a treatment residue of a previous	Sly restricted hazarr	done wasta cubioot	to the Land Disease Destrict	on according	g to applic	cable regulation	ns; AND, if this
waste is a treatment residue of a previousl beau treated in accordance with the requir	rements of 40 CFF	2003 waste subject	to the Land Disposal Restr	ictions. I ce	rtify and v	varrant that the	waste has
	[/ /	110 1	,				
+HUL (-H220)	It	act Simili	45 HG Cat Forteni	aster)	12/	10/14	
p. Generator Authorized Agent Name (Prin	nt) q.	Signature	45 Agent For Gener	· · · · ·	r. Date		
II. TRANSPORTER (Gener	rator completes	e llash and Trai	neporter completes IIc.	-1	1. 00.0		
a. Transporter Name and Address:		3 1164 to territor	isporter completes no	<u>,e)</u>			
1027 Bacon Road		0	. 1				
Hinesville, GA 31313		<i>V</i> 2	N 27-				
b. Phone: 912.412.2402		1 /1	10 2 6				
X AMPROUL it	Herix	Smill	in Sally	V +71	12/14		
c. Driver Name (Print)	d. Signal	iture	- LINE	e. Date	6717		
III. DESTINATION (Generate	or complete ilia	a-c and Destina	ation Site completes III	d-a)			
a. Disposal Facility and Site Address:		c. US EPA Num			 		
Savannah Regional Industria	al Landfill		an energe appearage in an an	audii Opass	<i>:</i> •		
84 Cilton Bird	, 66.9101						
b. Port Wentworth, GA 31407	912.954.2812	/ ,					
I hereby certify that the above named mate	erial has been acre	ented and to the he	and and any translation that for				
1	Sital itas occir post	spice Burn to me no	ist of my knowledge the fore	Sound is in	ie and ac	curate.	
		*		 	112	111	
e. Name of Authorized Agent (Print)	f. Signatu	ure		g. Date			
IV. ASBESTOS (Generator o			complete (Vg-i)	7			
a. Operator's Name and Address:				4 4 4			
			c. Responsible Agency Nar	me and Add	iress:		
		ı					
.		ĺ					
b. Phone:			d. Phone:		. <u></u>		
e. Special Handling Instructions and Addition	onal Information:						
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fria	ahla	Of Man Prinkle				
OPERATOR'S CERTIFICATION: I hereby	declare that the co	ontents of this consi	% Non-Friable	-1-6 : -1-0			
	labeled/placarded.	and are in all resp	ignifical are fully and accura	ately deschi	Ded above	by the proper	shipping name
national governmental regulations.		and are in all top.	aces in brober conomin ion	(ransport at	Coraing a	o applicable inte	emational and
- Consider No.							
g. Operator's Name and Title (Print)	h. Signat	ture		i. Date			
*Operator refers to the company which own renovation operation or both	is, leases, operate	is, controls, or supe	rvises the facility being dem	nolished or	renovated	, or the demolif	tion or
TPOILEDIT OF BOUT							

CELL DATE/TIME OUT CONTAINER INVOICE		Ω	TAX TOTAL				LANGWATEN	TENDEREO	CHANGE	СНЕСК
10:35. am		18.65 37,300	RATE EXTENSION						understands the terms and conditio	me X
4-2812	BILL OF I ADING	61,300 NET TONS 24,000 NET WEIGHT	HOIL	CHATHAM COUNTY REGION	CHATHAM COUNTY REGION				u ben best self als is of she has read and u	is decument on behalf of the customer.
SAVANNAH REGIONAL LANDFILL 84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 4 6 Environmental Services, LLC Calks Ferry Rd.) J	GROSS WEIGHT TARE WEIGHT		FEE-HAUL/TRANS/TRUCK	SW-CONT SOIL ENVIRONMENTAL FEE 5	FOEL RECOVERS FEE			conditions are new determined that he or she has read and understands the terms and conditions	The undersquied individual signing this document on behalf or customer, presented on behalf of the customer, on the reverse side and that he or she has the authority to sign this decument on behalf of the customer, on the reverse side and that he or she has the authority to sign this decument on behalf of the customer.
SAVANNAH 84 84 PORT WENTWORTH 100014 A & D Environmental 1741 Calks Ferry Rd	31101420787	SCALE IN SCALE OUT	!	>	0.00 YD 18.65 TN 1.00	00.1				The undersupp

RS-F042UPS (97/12)



2204051

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

-	
×	
Ħ	

I. GENERATOR (General	tor completes la-r	r)					
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		T o Pos	- 4 -5	
N/A			110111111111111111111111111111111111111		c. Page		
d. Generator's Name and Location: Rheem Manufacturing Comp	iany		e. Generator's Mailing	g Address:		1	
139 Brampton Road	ally		A&D Enviror	onmental Service	es, LLC		
Savannah, GA 31408			4943 AUSTIN Buford, GA	n Park Avenue k 30518			
f. Phone: If owner of the generating facility differs f			g. Phone:				
	rom the generator, pro	ovide:					
h. Owner's Name:			i. Owner's Phone No.:	, •			
j. Waste Profile #	k. Exp. Date		pping Name and		ntainers	n. Total	o. Unit
	 	Description		No.	Туре	Quantity	Wt/Vol
		ĺ					
31101420787	1	Non-Regu	liated Soll	ים ו	цтр		
				1	urh		Tons
				T			1010
				'	1		
				_ _ !	1		
						†	
				'	Í		
05150450505050505050	<u></u>				ĺ		
GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl	by certify that the abc	ove named mater	rial is not a hazardous v	waste as define	d by 40 C	FR 261 or any	applicable
waste is a treatment residue of a previous	sly restricted because	oo, waada aabtaa	ci condition for transpor	ination according	ig to applic	icable regulation:	s; AND, if this
been treated in accordance with the requi	irements of 40 CFR/2	15 waste subject 68 and 1s no long	to the Land Disposal Re	estrictions. I cer	rtify and v	varrant that the	waste has
PAUL GHZZU	1//	20 drig 13 110 1011g	ger a nazardous waste a	as defined by 40	0 CFR 26	51.	
p. Generator Authorized Agent Name (Pri	- 1/-u	17/11/11	HS Agent For G	sencintal	12/1	idly	
		gnavere	•		r. Date		
The state of the s	rator completes in	ia4b and Tran	isporter completes	llc-e)			
Ban Trucking							
1027 Bacon Road Hinesville, GA 31313		R.	NJZ				
b. Phone: 912.412.2402		v	N-7-				
3 / (1)		*					. <u> </u>
X Clarence Little	IX (i	Caste moe	Little.	12/	illy		
c. Driver Name (Print)	i d. Signature	re	TAR CVILLY	e Date			
III. DESTINATION (Generat	or complete Illa-c	and Destina	tion Site completer	e Illd-u)			
a. Disposal Facility and Site Address:		c. US EPA Numi					_
Savannah Regional Industria			J. 5.05.0pm.c,	idication space.	•		
64 Cilhon Bivd			ĺ				
b. Port Wentworth, GA 31407	912.964.2812						
I hereby certify that the above named mate	erial has been accept	ed and to the be	st of my knowledge the	foregoing is tn	o and ac		
	_ (\				1	L I	
e. Name of Authorized Agent (Print)	f. Signature	"		h = -	<u></u>		
IV. ASBESTOS (Generator o	completes IVa-f a	and Operator		g. Date			
a. Operator's Name and Address:	Milipietos IVa I C.						
or approve of them one richings.		1	c. Responsible Agency	Name and Add	iress:		
		J					
b. Phone;		1					
e. Special Handling Instructions and Additi	ional Information:		d. Phone:				
and a particular of the same o	Official inflormation.						
7 5 5 10			<u></u>				
f. ☐ Friable ☐ Non-Friable ☐ Both OPERATOR'S CERTIFICATION: I hereby	declare that the cente	anto of this service	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations.	laheled/placarded, ar	ints of this consider	gnment are fully and account in account and account in account and account in	curately descrit	ed above	a by the proper :	shipping name
national governmental regulations.	1000100 p.000.000.	U ale iii aii 100pu	cas in proper conductor i	for transport ac	cording to	applicable inte	mational and
g. Operator's Name and Title (Print)	h Signature						
*Operator refers to the company which own	h. Signature	controls or supe	nines the facility heins	i. Date			
renovation operation or both	·=, ·====, -p=, -	Minoral or anhar	Alses me requiry nemb c	demolished or r	enovated	, or the demoliting	on or

CELL OATETINE OUT 122-12-2014 102-17-30 INVOICE INBOUND TOTAL TOTAL TOTAL	TENDERED CHANGE CHANGE
812 01 NEGOTA 10:47-am- 812 SAPAR P. 943746 SAPERR P. 10:47-am- 12-12-2014 10:47-am- 12-12-2	July 1997
62, 21, 21, 3.0 киртом	
SAVANNAH REGIONAL LANDFILL SAVANNAH REGIONAL LANDFILL BORT WENTWORTH, GA 100014 A & D Environmental Services, LLC 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 1741 Calks Ferry Rd. 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, SC 29073 Lexington, FEE-HAUL/TRANS/TRUCK 20.73 TN ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	

where the property of the prop

A PROPERTY OF

223



#

If waste is asbestos waste, complete Sections I, II, III and III II waste is $\overline{\text{MOT}}$ asbestos waste, complete Sections I, II and III

2504082

OL	or the demolition	enovated,	n 10 bedeik	I he facility being demo	:ƏSIA	ntrois, or super	oo 'sare	as, oper	.coə: 'cı	ujor	on operation or t	renovatic
			etsO .				nature	bis 4	3001 30	Title (Print)	tor's Name and	9. Operato
											· · · · · · · · · · · · · · · · · · ·	
DUD IDUON	uuovu olanoudda	C								:Suonein6	governmental re	IBHOUBLE
emen gnidd	oy ine proper sni ametri eldissilaas	evods be of pribros	anseon kie Ansport ac	and securation for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the proper condition for training the property of the property of training the property of training the property of training the property of training training the property of training training the property of training traini	i stos	are in all respe	ed, and	piscard	speled	ged, marked and	classified, packs	and are
			disease via	on-Friable and are fully and accurate for the formal accurate		ianda aidt ta at	Friable s conten	adi isdi	enslaeb	CATION: I hereby	FOR'S CERTIFI	CPERA
				11.12	14 70		Cidobla	70		riable 🗌 Both	P-noN 🔲 əlde	f. 🔲 Fris
							••				_	
				:euoi	1 d 'P	Π		noitemio	ini Isno	uctions and Addition		
												b. Phone
L		:ssəı	bbA bns e	ssponsible Agency Nam	c. Re					Address:	ori's Name and	a. ∪pera
				(i-gVI ətəlq	woo	d Operator o	ne 1-6	VI Seje	ришо	S (Generator c	OISERS	.VI
		,	g. Date				nature	IDIS 1			V bestpartluk to	
	11/	1 . 4	-1			\subset	. 1			7	(1 -	,
	urate.	e suq scc	un el pnio	wy knowledge the foreg	to is	ed ent of bne be	peideooi	o ueed s	en isne	SON DAMED BACO	ALL TRUE KITLES	Againi I
							• • /					D.
							1 6	182.136	CIB	MOUP, GA 31407	84 Ciffon Port Went	•
								U	מוסבן (ו	entaubni isnolga <i>g</i>	MENNE VEZ	
L				d. Discrepancy Indicat		MuM A93 2U	.o			Site Address:	sel Facility and	a. Dispo
			(D-	Site completes Illd	noi	enitesQ bne	Illa-c s	əfəlqn	סר כסר	10N (Generat	DESTINAT	.111
		6/1/21	e Dahe	2 0000		*****************	anutent	P. Si			(Print)	
		61(21/	U A	VAIL	*	2 KI U (C	X	X	((2) 11: 1	COMPE	K X
				W.	4	3				30-11-		b. Phon
						721	v4				Hinesville, C	,
						, C L	U			DE0 Ä	1025 B300N	
	·		7.	2-011 coroldinos ier	<u> </u>					SeatbbA brig	hansh sighoda	a. Trans
~ 		r. Date		rter completes IIc-e	ous			elamo:				11
·-··	61/		7214	36.03 For tecues		ature (ngis A	-	(Jr	ing) əmsN InagA t		
	,	,	/	1 Jr. 13	** St		אוויי			् १	224971	14/
seq əşs	amant that the wa	my and w	uons. 1 cer Ined by 40	hazardous waste as de	er 3	and as as long	SFR 268	0 40 C	inemen	nce with the requir	sted in accords	been tre
airth ii , QNA	abie reguiations; ,	abbac	า สะความเก	ionario de nancio	9, 9,	tooidus atsent	SHOPZEZ	ed betai	nteen vi	sucivera a to eubis	s a treatment res	si əlzaw
olicable	igs vns 10 f 82 A	1 PV 40 CF	enileb 25	not a hazardous waste	ei lei	e named mater	ye spov	fy that th	ру сеп	FICATION: I here	TABO 8'ROTAS	GENER
		 										i
			1									
			1 .									,
91	٨١											
~]	**	du	Ra	line.	ופובח	Non-Regu						
				1143	Potri	1100 8 4014				292	31101420	}
MWOI	Quantity	Type	.oN			Description						
o. Unit	n. Total	sanets	m. Con			I. Waste Ship		p. Date	K. Ex		# 9태이역 유	I AASE
				Whee's Phone No.:					•	· · · · · · · · · · · · · · · · · · ·	er's Name:	
						:801	יסר, סרסע	generat	ലു ധര	ng facility differs fr		1
				:әиоид	·Б	· · · · · · · · · · · · · · · · · · ·			,,	a Mile - dilines pu		I. Phon
				Butord, GA 3051						GA 31408	, MENNE V62	,
		32' דדכ	191_26IA CE	namitoni vii si gaaa aheg nitaua eaea					£,	lon Road	අග්තම දෙ	
			.559.7	Generator's Mailing Ado Central in State	.9				AUE	nd Localion: Compa	e emeN 2 Joses	d. Gen
	1 of	c. Page		Taumori	ייפונו	Manifest Docur					A\N	
				Mimbos	,ueu	" OOU tealing!		e piere	100 10	ID Number	erator's US EPA	a. Gen
							17-51 2	atalnn	102 10	tor (Generat	CENEBY.	-1

Έ	PORT		NAH REGIONA 84 CLIFTON RTH, GA	BLVD	LL -964-2812		WEIGHMASTE	943751 B		CELL			
1741 Lexi	Envi Calks	Ferry SC 29		es, LLC			NE-5308 REFERENCE 2204053	014 10:	58 am	DATE/THE	2-2014 NER	10 WOI	:58 am
	SCALE SCALE		GROSS WE TARE WE		73,460 27,400		T TONS WEIGHT	23.03		I	 BOUND	·····	
23.03 20.00	EA YD	FEE-HA	UL/TRANS/T	· · · · · · · · · · · · · · · · · · ·	CHATHAM	COUN	TY REGION	RATE	EXTENSI	ON	TAX		TOTAL
23.03 1.00 1.00		_	T SOIL NMENTAL FE: ECOVERY FE:		CHATHAM	COUN	TY REGION			i :		:	
								!					
				,	**************************************							NE	T-AMOUNT?
												T	ENDERED

CHANGE

CHECK#

d conditions

The undersigned individual signing this document on behalf of Costomer acknowlednes that he or she has read and understands the tentor on the reverse side and that he or she has the authority to sign this document on behalf of the oustomer.

2.475 (2.77)

ត្រូវបានស្រីក្រុងស្នា ស្រ



2:04053

If waste is asbestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator	or completes is	a-r)					
a. Generator's US EPA ID Number		b. Manifest Docur	ment Number		c. Page	e 1 of	
N/A d. Generator's Name and Location: Rheem Manufacturing Compai 139 Brampton Road Savannah, GA 31408 f. Phone:	ıny		4943 Austin F Buford, GA 3	nmental Servic Park Avenue	CEE. LLC	1	
If owner of the generating facility differs from	om the generator.	provide:	g. Phone:				
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Shir	pping Name and		ontainers	n. Total	o. Unit
		Description		No.	Type	Quantity	o. Unit Wt/Vol
31101420787		Non-Regu	dated Soli	1 0	итр		Tons
							Tuns
							
	İ						
GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, cla waste is a treatment residue of a previously been treated in accordance with the require	ly restricted hazard	dous wests subject	er condition for transporta	tation accordin	ng to applic	icable regulation	applicable ns; AND, if this waste has
PAUL GHZZO		lock (M	ger a riazardous waste as	s defined by 4	40 CFR 26	61.	
p. Generator Authorized Agent Name (Print		Signature //	AS AGENTER		r. Date	110114	
II. TRANSPORTER (General			asporter completes !	lic-e)	1. 0		
a. Transporter's Name and Address: Ban Trucking 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402	- 1, 1	53	-/				
COriver Name (Print)	a. Signat	H A	Lings		12/17/19	4	
III. / DESTINATION (Generato	or complete like	ac and Destina	ation Site completes	e. Date			
a. Disposal Facility and Site Address:	<i>y</i>	c. US EPA Num					
Savannah Regional Industrial 84 Clifton Blvd b. Port Wentworth, GA 31407	912.964.2812		a. S. S. S. S. S. S. S. S. S. S. S. S. S.	·			
I hereby certify that the above named mater	rial has been accè	epted and to the be	st of my knowledge the f	foregoing is tr	ue and ac	curate.	
e. Name of Authorized Agent (Print)	f. Signatu				-]:)-1-1	
IV. ASBESTOS (Generator co	completes IVa-f	f and Operator	complete (Va-i)	g. Date			
a. Operator's Name and Address:			c. Responsible Agency N	Name and Add	dress:		
b. Phone:			d. Phone:				
e. Special Handling Instructions and Addition	onal Information:		W 1101-19.				
f. ☐ Friable ☐ Non-Friable ☐ Both	% Fria	ahle	% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby d and are classified, packaged, marked and la national governmental regulations.	declare that the cou	entante of this sonsi	icomont on full and	zurately descri	ibed above ccording t	e by the proper to applicable into	shipping name emational and
g. Operator's Name and Title (Print) *Operator refers to the company which owns renovation operation or both	h. Signaturs, leases, operates	ure s, controls, or supe	ervises the facility being d	i. Date demolished or	renovater	d or the demoli	ilon or
renovation operation or both				•		, 0. 0.0 00	.011 01

1741 Lexi	14 D Envi Calks	ronmental Ferry Ro SC 2907	Services, LLC	2-964-2812		O1 WEIGHMASTER S15.30 D DATE TIME IN 12-12-2 VEHICLE BN-32 REFERENCE 2204054 BILL OF LADIN	01411:5	i	ATE/TIME OUT 2-12-2014 ONTAINER IN	11:58 ar
	SCALE	IN OUT	GROSS WEIGHT TARE WEIGHT	61,840 24,000	NET NET		18.92 37,840		INBOUND	
QTY.	UNIT			CRIPTION			RATE	EXTENSION	TAX	TOTAL
18.92 0.00 18.92 1.00 1.00	TN	SW-CONT S	TRANS/TRUCK SOIL ENTAL FEE 5 OVERY FEE	СНАТНАМ						
							·		A	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.

CIGNATURE

01 943764 WEIGHMASTER

CELL

TENDERED

CHANGE CHECK#

SITE

SAVANNAH REGIONAL LANDFILL

*2/*21

RS-F04ZUPR (07:12)



2204054

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Genera	to, completes la	1-! <i>)</i>					
a. Generator's US EPA ID Number		b. Manifest Docu	ment Number		L C Poor	4.56	
d. Generator's Name and Location:					c. Page 1 of		
Kueem Manutactungo Comi	אטצע		e. Generator's Mailin A&D Enviro	g Address:	J	!	
139 Brampton Road			ASD Enviro	ommental Servi n Park Avenue	Ces, LLC		
Savannah, GA 31408 f. Phone:			Buford, GA	TAIK AVENUE			
			g. Phone:	. 333 10			
If owner of the generating facility differs	from the generator, p	provide:					
h. Owner's Name:							
j. Waste Profile #	k. Exp. Date	I Wasta Shi	i. Owner's Phone No. pping Name and				
		Description	PPING MAINE AND	Mo.	ntainers	n. Total	o. Unit
				140.	Туре	Quantity	WtVol
31101420787		Non-Regu	ulated Soil	_		1	
			noted 2011	1 0	rlwb	l	
							Tons
	1	ł		ļ	ļ		
	İ	1		ı			İ
ENCOATORIO OTT		_ 1		1	İ		1
ENERATOR'S CERTIFICATION: I here ate law, has been properly described, c	eby certify that the al	bove named mate	erial is not a hazardous v	vaste as define	d by 40 C	D 261	20010-51
'USIC IS a irealment residue of a proviou	alu aaadaladaad kaasaa l		ar agriculturi tot tratishot	ration accordin	o to annic	Shie regulation	applicable
raste is a treatment residue of a previous	irements of 40 CFR	ous waste subject 268 and is no lone	to the Land Disposal R	estrictions. I ce	rtify and w	arrant that the	waste has
	1 /	and is no long	ger a nazardous waste a	as defined by 4	0 CFR 26	l	
AUL (>14770	\psi -	tick and	ASAYCAFOR G	en een ka	12/13	Lu	
Generator Authorized Agent Name (Pri	int) A. S	Signature /				//	
TRANSPORTER (Gene	rator completes	lla-b and Tran	Sporter completes	II \	r. Date		
Transporter Name and Address:		na o and mar	isporter completes	IIC-e)			
1027 Bacon Road							
Hinesville, GA 31313	_{ርን} ለ	ょると					
. Phone: 912.412.2402	W	• J •					
/ //	IV 11	5					
Carery Littles	N CU	anome di	ttics	VO	17/14		
Driver Name (Print)	d. Signatu	ıre		7	11.61.1		
I. DESTINATION (General	or complete Illa-	c and Destina	tion Site completes	e. Date			
Disposal Facility and Site Address:	To somplete ma	c. US EPA Num	has 1 d Si	s IIIa-g)			
Savannah Regional Industria	-1 1 mad511	C. US EFA NUIII	ber d. Discrepancy In	dication Space	:		
84 Ciliton Bivd	ai Lailuiiii						
Port-Wentworth, GA 31407							
An Areitannini (NV 2140)	912,954,2832	`,	į.				
	912.964.2872	 					
		oted and to the be	st of my knowledge the	foregoing is tn	e and acc	urate. /	
nereby certify that the above named mat		oled and to the be	st of my knowledge the	foregoing is tn	e and acc	urate.	
nereby certify that the above named mat	erial has been accep		st of my knowledge the		e and acc	11-1	
nereby sertify that the above named mat Name of Authorized Agent (Print)	erial has been accept			foregoing is the	e and acc	11-1	
Name of Authorized Agent (Print) ASBESTOS (Generator of	erial has been accept	and Operator	complete IVg-i)	g. Date	1)	11-1	
Name of Authorized Agent (Print) ASBESTOS (Generator of	erial has been accept	and Operator		g. Date	1)	11-1	
Name of Authorized Agent (Print) ASBESTOS (Generator of	erial has been accep	and Operator	complete IVg-i)	g. Date	1)	11-1	
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address:	erial has been accep	and Operator	complete IVg-i)	g. Date	1)	11-1	
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address: Phone:	f. Signatur	and Operator	complete IVg-i)	g. Date	1)	11-1	
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address: Phone:	f. Signatur	and Operator	complete IVg-i) c. Responsible Agency	g. Date	1)	11-1	
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address: Phone:	f. Signatur	and Operator	complete IVg-i) c. Responsible Agency	g. Date	1)	11-1	
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address: Phone: Special Handling Instructions and Additional Principle (Instructions and Additional Principle (Instructions and Inst	f. Signatur completes IVa-f	and Operator	complete IVg-i) c. Responsible Agency d. Phone;	g. Date	Iress:) <u>] [</u>	
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address: Phone: Special Handling Instructions and Additional Person of Agent (Print) Person of Authorized Agent (Print) Non-Friable	f. Signatur completes IVa-f	and Operator o	complete IVg-i) c. Responsible Agency d. Phone: % Non-Friable	g. Date	Iress:)][
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address: Phone: Special Handling Instructions and Additional Person of Agent (Print) Person of Authorized Agent (Print) Non-Friable	f. Signatur completes IVa-f	and Operator o	complete IVg-i) c. Responsible Agency d. Phone: % Non-Friable	g. Date	Iress:)][shipping name
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address: Phone: Special Handling Instructions and Additional Person of Agent (Print) Person of Authorized Agent (Print) Non-Friable	f. Signatur completes IVa-f	and Operator o	complete IVg-i) c. Responsible Agency d. Phone: % Non-Friable	g. Date	Iress:)][shipping name
Name of Authorized Agent (Print) / ASBESTOS (Generator of Operator's Name and Address: Phone: Special Handling Instructions and Additional Property of Control of C	f. Signatur completes IVa-f	and Operator o	complete IVg-i) c. Responsible Agency d. Phone: % Non-Friable	g. Date	Iress:)][shipping name
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address: Phone: Special Handling Instructions and Additional Governmental regulations.	f. Signatur completes IVa-f completes IVa-f declare that the contable declared, a	and Operator of and Operator of this considerate in all respections.	complete IVg-i) c. Responsible Agency d. Phone: % Non-Friable	g. Date	Iress:)][shipping name
Name of Authorized Agent (Print) ASBESTOS (Generator of Operator's Name and Address: Phone: Special Handling Instructions and Additional Person of Agent (Print) Person of Authorized Agent (Print) Non-Friable	f. Signature completes IVa-f completes IVa-f declare that the contable declared, a	and Operator of the consideration of this consideration are in all respective.	complete IVg-i) c. Responsible Agency d. Phone: % Non-Friable gnment are fully and accepts in proper condition of	g. Date Name and Ado curately descrit for transport ac	Iress:	by the proper s	mational and

	PORT		NAH REGIONAL LAND 84 CLIFTON BLVD RTH, GA 91	FILL 2-964-2812	1	01 WEIGHMASTE		CE	IT	
TOMER 10001 A & 2 1741	Envi	ronmen Ferry	tal Services, LLC	.	· ···	DATE TIME IN 12-12-2 VEHICLE BN-22 REFERENCE	01412:0		TEATIME OUT =12-2014 NTAINER	12:05 5:
Lexin	42078	SC 2	9073			2204055	iG		IN	VOICE
	SCALE SCALE		GROSS WEIGHT TARE WEIGHT	63,480 22,080	NET T		20.70		INBOUND	
TV.	UNIT		DES	CRIPTION			RATE	EXTENSION	TAX	TOTAL
20.70 20.00 20.70	EA YD TN		UL/TRANS/TRUCK	CHATHAM						
1.00	IN ;		NMENTAL FEE 5 ECOVERY FEE	СНАТНАМ	COUNTY	REGION				
!							!		1	
	į						: :			
					···				4	NET AMOUNT
									-	TENDERED
_			securing this document on behalf of the or she has the authority to sign							CHANGE

2/21

RS FOALUPA IN TO

CHECK#



2204055

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Genera	tor completes la	-r)					
a. Generator's US EPA ID Number	1	b. Manifest Docu	mont Number				
N/A			ment Mattool		c. Page	e 1 of	
d. Generator's Name and Location: Rheem Manufacturing Comp 139 Brampton Road Savannah, GA 31408 f. Phone:	pany		e. Generator's Mailing A A&D Environm 4943 Austin P Buford, GA 30	iental Servic ark Avenue	es, LLC	1	
If owner of the generating facility differs	from the generator, p	provide:	g. Phone:				
h. Owner's Name:	gonorator, p	NOVIGE.					
j. Waste Profile #	k. Exp. Date	1139-1-01	i. Owner's Phone No.:				
	k. Exp. Date	Description	pping Name and		ntainers	n. Total	o. Unit
				No.	Туре	Quantity	Wt/VcI
31101420787		Non-Regu	lated Soll	Di	mp		
			1	+		ļ	Tons
GENERATOR'S CERTIFICATION, ILL							
GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous been treated in accordance with the requirement of the state of the	alan aanaan ah ah ah ah ah ah ah ah ah ah ah ah ah	, h. b. cb.	בי ספוופומטוו וטו נופוופטטונצנו	ion accomin	n io annic	able reculation	applicable s; AND, if this waste has
	1	Lat MAN	H) Age it for Can	was ten	121	in liv	
p. Generator Authorized Agent Name (Pri	nt) q/s	ignature			r. Date	1017	
II. TRANSPORTER (Gene a. Transporter's Name and Address: Ban Truckling 1027 Bacon Road Hinesville, GA 31313 b. Phone: 912.412.2402		_	272	-e)			
X Shallon Little c. Driver Name (Print)	s xs	alle	Lillo	X 17	117/14	/	
	d. Signatu	re		e. Date			
III. DESTINATION (Generat a. Disposal Facility and Site Address:	or complete ma-	c. US EPA Numi					
Savannah Regional Industria 84 Clifton Blvd Port Wentworth, GA 31407	912.964.2812		and the state of t				
bereby certify that the above named mate	erial has been accep	ted and to the be-	St Of My knowledge the fee	agains is to			
<u> </u>	\	>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	see my knowledge the lon	going is tru	e and acc	urate.	
Name of Authorized Agent (Print) ASBESTOS (Generator of	f. Signature			g. Date		7 /	
V. ASBESTOS (Generator of Department of Operator's Name and Address:	completes IVa-t a						
. Operator's Name and Address:		1	c. Responsible Agency Na	me and Add	ress:	· · · · · · · · · · · · · · · · · · ·	
. Phone:			1. Phone:				
e. Special Handling Instructions and Additi	onal Information:				· · · · · · · · · · · · · · · · · · ·		
☐ Friable ☐ Non-Friable ☐ Both PERATOR'S CERTIFICATION: I hereby nd are classified, packaged, marked and	% Friable declare that the continuous		% Non-Friable	atalia di P			
and are classified, packaged, marked and lational governmental regulations.	abeled/placarded, ar	nd are in all respe	cts in proper condition for	ately describ transport ac	ed above cording to	by the proper s applicable inter	hipping name mational and
Operator's Name and Title (5.1.)							
Operator's Name and Title (Print) Operator refers to the company which own enovation operation or both	h. Signatun	e controls as sure	doc No. 7	i. Date			
movetion enemtion or both	o, .ouses, operates,	williols, or super	vises the facility being dem	polished or n	betavore	or the demolitic	20.00

1741 Lexi	14 D Envi Calks	SAVANNAH REGIONA 84 CLIFTON WENTWORTH, GA ronmental Service Ferry Rd. SC 29073	BLVD 912-	LL 964-2812		VEIGHMASTE SUSAINE IN 12-12-2 VEHICLE NE-5308 REFERENCE 2204056 SILL OF LADIR	943767 R 014 12:	1 pm 12	телиме сит =12=2014 NTAINER	12:11 pm
	SCALE			71,920 27,400	NET WE		22.26 44,520		INBOUND	
074	UNIT		DESCR	IPTION			RATE	EXTENSION	TAX	TOTAL
22.26 20.00 22.26 1.00 1.00	YD TN	FEE-HAUL/TRANS/TESW-CONT SOIL ENVIRONMENTAL FEE FUEL RECOVERY FEE	ε 5	CHATHAM						
										NET AMOUNT

The undersigned and vidual agricin this document on behalf of Couroner acknowledges that he or she has read and underson the reverse kide and that he or she has the authority to sign this document on behalf of the customy

2/21

Galaga James

SITE TICKET

CELL

s the terms and conditions

TENDERED CHANGE

CHECK*

SITE



2204056

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\rm NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (General	tor completes la-r	1	•				
a. Generator's US EPA ID Number N/A		Manifest Docui	ment Number	·	c. Page	e 1 of	
d. Generator's Name and Location: Rheem Manufacturing Comp			Lo Concede de Maille			1	
Rieem Manufacturing Comp 139 Brampton Road	any		e. Generator's Mailing A	iental Senic Vooress:	es, LLC		
Savannah, GA 31408			4943 Austin P Buford, GA 30	SIK AVEURE			
f. Phone:			g. Phone:	910			
If owner of the generating facility differs t	rom the generator, pro	ovide:					
h. Owner's Name:			i. Owner's Phone No.:				
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and	m. Cor	ntainers	n, Total	o. Unit
		Description		No.	Туре	Quantity	Wt/Vol
34 404 400707							
31101420787		Non-Regu			mp		
		 	1	_		7	ons
						l	
	 	 					
		1					
GENERATOR'S CERTIFICATION: I here state law, has been properly described.	by certify that the abo	ve named mater	rial is not a hazardous was	ste as define	d by 40 C	FR 261 or any ar	nlicable
waste is a treatment residue of a previous	sly restricted bezardou	e, and is in propi	to the land or transportar	ion accordin	g to applic	cable regulations	AND, if this
bean treated in accordance with the requi	rements of 40 CFR 26	38 and is no long	io ille Land Disposal Resi Jer a hazardous waste as	trictions. I ce defined by 4	rtify and v 0 CFR 26	varrant that the w	aste has
PAVLGAZZO	1/2	Denta	Agent For Gone		1 > 1	5/14	
p. Generator Authorized Agent Name (Pri	int) g. Sit	na (U re	VIJENT FOI CHES	1-4R2)	r. Date	10/1/	
II. TRANSPORTER (Gene	rator completes II	a b and Tran	Sporter completes like		1. Date		
a. Hansborest Trecking to Address:		,	species demplotes in	<i>y-</i> C)	·		
1027 Bacon Road Hinesville, GA 31313		0 (/					
012 412 2402		530X					
b. Phone:			7				
1 xx Carriet	' X ne	4/11	anthy with	X 17.1	12/14		
c. Driver Name (Print)	d. Signature			e. Date			
III. DESTINATION (General	tor complete Ifla-c	and Destina	tion Site completes I	lld-g)			
a. Disposal Facility and Site Address:	1	c. US EPA Num	ber d. Discrepancy India	cation Space):		
Savannah Regional Industri 84 Cilhon Bivd	ai Landfili						
Port Wentworth, GA 31407	912.964.2812						
I hereby certify that the above named mat		ed and to the he	ct of multi-outsides the f			· · · · · · · · · · · · · · · · · · ·	
1 43	Charles been accepte	ed and to the be	st of my knowledge the to	regoing-is in	ie and acc	curate.	
e. Name of Authorized Agent (Print)		<u> </u>		10	1/2		
IV. ASBESTOS (Generator	f. Signature			g. Date			
a. Operator's Name and Address:	completes Iva-i a					· · · · · · · · · · · · · · · · · · ·	
a. Operator a Maine and Address.			c. Responsible Agency Na	ame and Ado	iress:		
b. Phone:		1	d Dhann				
e. Special Handling Instructions and Addit	ional Information:	L	d. Phone:				
f. ☐ Friable ☐ Non-Friable ☐ Both	% Friable		% Non-Friable				
OPERATOR'S CERTIFICATION: I hereby	declare that the conte	ents of this consi	coment are fully and accur	rately descri	bed above	hy the proper s	hinning name
and are classified, packaged, marked and national governmental regulations.	labeled/placarded, an	d are in all respo	ects in proper condition for	r transport ac	cording to	applicable inter	national and
gerenmenta regulatoria.				1			
a Operator's Name and Till (Tri)							
g. Operator's Name and Title (Print) *Operator refers to the company which ow	h. Signature	controls or supp	nices the facility hairs of	i. Date			
renovation operation or both	, icases, uperates, (conucis, of supe	i vises ule lacility being de	mousned or	renovated	, or the demolitio	n or

16	PORT		NAH REGIO 84 CLIFTO RTH, GA	N BLVD	FILL 2-964-2812		SITE TICH 01 WEIGHMASTE	943775 a		CELL	
1741 Lexi	14 D Envi Calks	ronmen Ferry SC 2	tal Servi Rd.				NE-5308 REFERENCE 2204332 BILL OF LADIR	014 12:5	9 cm 1	PATETIME OUT 2-12-2014 CONTAINER IN	_12:59 pm
	SCALE SCALE		GROSS TARE	WEIGHT WEIGHT	73,200 27,400	NET NET WE		22.90 45,800		INBOUND	
CTY.	UNIT			DES	CRIPTION			RATE	EXTENSION	TAX	TOTAL
	EA YD TN	FEE-HA SW-CON	UL/TRANS/	TRUCK	СНАТНАМ СНАТНАМ						
1.00 1.00		ENVIRO	NMENTAL F ECOVERY F		CHAINAM	COUNTY	REGION				
								•			
										į	
- Albertan Service 14								·		4	NET AMOUNT.
										Ī	TENDERED
Th on	e undersigni the reverse	rd individual side and that	signing this ducur ne or she has the	ment on behalf of authority to sign	f Custome: novrowledges I this document on behalf	that he or st	ne has read and	inderstanta the t	une and conditi	ons	CHANGE
		2/2	21		SiG	NATHE	haff.	Xan (s	\geq_i		CHECK

 $e(1,\sigma_{i+1}), p\in \{1,2,\ldots\}$



2204332

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

a. Generator's US EPA ID Number		·r)					
1		b. Manifest Docu	ment Number		c. Page	1 of	
d. Generator's Name and Location:					J. Tagi		
Rheem Manufacturing Con	עמבתם		e. Generator's Mailin	g Address:			
139 Brampton Road	npany		A&D Enviro	onmental Servi	es, LLC		
f. Phone: Savannah, GA 31408				n Park Avenue			
If owner of the generating facility differs	from the comment		g. Phone: Buford, GA	. 30518			
	s from the generator, pr	rovide:					
h. Owner's Name:			i. Owner's Phone No.				
j. Waste Profile #	k. Exp. Date	I. Waste Ship	ping Name and		m. Containers n. Total		
		Description		No.	Type	n. Total Quantity	o. Unit Wt/Val
						quantity	140401
3:101420787		Non-Regu	lated San	1	1	ĺ	
		NoiPitegu	aten 2011	, D	mo	1	_
					-	<u> </u>	Toha
]	[1
		 					
]		
	1	1		1	l		
GENERATOR'S CERTIFICATION: I he late law, has been properly described.	reby certify that the abo	Ove named male	ial is not a bassal				ı
state law, has been properly described, vaste is a treatment residue of a previous described.	classified and package	ed, and is in prope	er condition for transpor	vaste as define	d by 40 C	R 261 or any a	applicable
vaste is a treatment residue of a previouser treated in accordance with the req	usly restricted hazardo	us waste subject	to the Land Disposal R	estrictions. I ce	g to applic rtify and w	able regulations	s; AND, if thi
	uirements of 40 CFR/2	68 and is no long	er a hazardous waste a	s defined by 4	0 CFR 26	en ank wat tue i	waste nas
1 140 (C) A 270	11-60				,	7	
Generator Authorized Agent Name (P	rint) a. Si		Affect for Grave		12/12	114	
II. TRANSPORTER (Gen	erator completes I	land Tran	On order to the		r. Date		
	state: completes (sporter completes	IIC-e)			
B&N Trucking 1027 Bacon Road		530%					
Hinesylle, GA 31313		JIM					
D. Phone: 912.412.2402							
T-95 C		1101	7				
very Lasting	CAL XXXX	1/ //0	Murcell	V 121	(2/14		
. Driver Name (Print)	a. Signatur						
II. DESTINATION (General	itor complete illa-c	and Destinat	ion Site completes	illd a)			
		c. US EPA Numb	or d Di-	· iliu-y)			
II. DESTINATION (General Disposal Facility and Site Address:	l						
. Disposal Facility and Site Address:		C. US EPA NUME	er d. Discrepancy In	dication Space	:		
Savannah Regional Industr		C. US EPA NUME	d. Discrepancy in	dication Space			
Savannah Regional Industr 34 Clifton Blvd Port Wentworth, GA 31407	tal Landfill		, , , , , , , , , , , , , , , , , , , ,				
Savannah Regional Industr 34 Clifton Blvd Port Wentworth, GA 31407	tal Landfill		, , , , , , , , , , , , , , , , , , , ,				
Savannah Regional Industr 34 Clifton Blvd Port Wentworth, GA 31407	tal Landfill		, , , , , , , , , , , , , , , , , , , ,			urate.	
Savannah Regional Industri 34 Clifton Blvd Port Wentworth, GA 31407 hereby centify that the above named ma	1al Landfill 912.964.2812 sterial has been accept	ed and to the bes	, , , , , , , , , , , , , , , , , , , ,			urate.	
Savannah Regional Industri 34 Clifton Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print)	1al Landfill 912.954.2812 sterial has/been accept	ed and to the bes	it of my knowledge the	foregoing is tru			
Savannah Regional Industri 34 Clifton Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) /. ASBESTOS (Generator	1al Landfill 912.954.2812 sterial has/been accept	ed and to the bes	it of my knowledge the				
Savannah Regional Industri 34 Cliffon Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) /. ASBESTOS (Generator	1al Landfill 912.954.2812 sterial has/been accept	ed and to the bes	omplete IVg-i)	foregoing is tru g. Date	e and acc		
Savannah Regional Industri 34 Cliffon Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator	1al Landfill 912.954.2812 sterial has/been accept	ed and to the bes	it of my knowledge the	foregoing is tru g. Date	e and acc		
Savannah Regional Industri 34 Clifton Blvd Port Wentworth, GA 31407 hereby certify that the above named ma	1al Landfill 912.954.2812 sterial has/been accept	ed and to the bes	omplete IVg-i)	foregoing is tru g. Date	e and acc		
Savannah Regional Industria 4 Cliffon Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator Operator's Name and Address:	f. Signature	nd Operator o	omplete IVg-i) Responsible Agency	foregoing is tru g. Date	e and acc		
Savannah Regional Industria 4 Cliffon Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator Operator's Name and Address:	f. Signature	nd Operator o	omplete IVg-i)	foregoing is tru g. Date	e and acc		
Savannah Regional Industria 4 Cliffon Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator Operator's Name and Address:	f. Signature	nd Operator o	omplete IVg-i) Responsible Agency	foregoing is tru g. Date	e and acc		
Savannah Regional Industriation Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) /. ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addi	12.964.2812 sterial has been accept f. Signature completes IVa-f a	nd Operator o	omplete IVg-i) Responsible Agency	foregoing is tru g. Date	e and acc		
Savannah Regional Industria 34 Cliffon Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) V. ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addi Friable Non-Friable Both PERATOR'S CERTIFICATION: Leach	1al Landfill 912.964.2812 Iderial has been accept f. Signature completes IVa-f a	nd Operator o	omplete IVg-i) Responsible Agency Description	foregoing is trugg. Date	e and acc	-11	
Savannah Regional Industria 34 Cliffon Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addi Friable Non-Friable Both PERATOR'S CERTIFICATION: Liberty	1al Landfill 912.964.2812 Iderial has been accept f. Signature completes IVa-f a	nd Operator o	omplete IVg-i) Responsible Agency Description	foregoing is trugg. Date	e and acc	-11	hipping name
Savannah Regional Industria 34 Clifton Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) / ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addi Friable Non-Friable Both PERATOR'S CERTIFICATION: Liberty	1al Landfill 912.964.2812 Iderial has been accept f. Signature completes IVa-f a	nd Operator o	omplete IVg-i) Responsible Agency Description	foregoing is trugg. Date	e and acc	-11	hipping nam
Savannah Regional Industria 34 Clifton Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) / ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addi Friable Non-Friable Both PERATOR'S CERTIFICATION: Liberty	1al Landfill 912.964.2812 Iderial has been accept f. Signature completes IVa-f a	nd Operator o	omplete IVg-i) Responsible Agency Description	foregoing is trugg. Date	e and acc	-11	hipping name
Savannah Regional Industriation Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) / ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addi Friable Non-Friable Both PERATOR'S CERTIFICATION: I hereby dare classified, packaged, marked and attional governmental regulations.	131 Landfill 312.964.2812 Interial has been accept f. Signature completes IVa-f a tional Information: % Friable declare that the conte	nd Operator of this consig d are in all respect	omplete IVg-i) Responsible Agency Description	foregoing is trugg. Date	e and acc	-11	hipping name
Savannah Regional Industriation Blvd Port Wentworth, GA 31407 hereby certify that the above named ma Name of Authorized Agent (Print) ASBESTOS (Generator Operator's Name and Address: Phone: Special Handling Instructions and Addi	12.954.2812 Iterial has been accept f. Signature completes IVa-f a tional Information: % Friable declare that the conte	nd Operator o	omplete IVg-i) Responsible Agency Phone: Non-Friable nment are fully and access in proper condition for	g. Date Name and Add curately describ	e and acc ress:	by the proper s	national and

1741 Lexir	.4 Envi Calks	WENTWOR ronment Ferry SC 29		12-964-2812		SITE TICK O1 WEIGHMASTER SATE TIME IN 12-12-2 VEHICLE 3N-22 REFERENCE 2204331 BILL OF LADIK	943776 	[D	ATE/TIME OUT 2-12-2014 ONTAINER	1:01 pr OICE
	SCALE SCALE		GROSS WEIGHT TARE WEIGHT	65,440 21,480	NET NET W		21.98 43,960		INBOUND	
QTY.	UNIT		Di	ESCRIPTION			HATE	EXTENSION	TAX	TOTAL
21.98 20.00 21.98 1.00 1.00	YD	SW-CONT ENVIRON	JL/TRANS/TRUCK SOIL MENTAL FEE 5 COVERY FEE	СНАТНАМ СНАТНАМ						
		·			<u>.</u>					NET AMOUNT

CHANGE

The undersigned individual signing this document on benalf of Sustainer acknowledges that he or she has read and understands the terms on the reverse side and that he or she has the authority to sign this document on benalf of the customer.

2/21

Risson, SIPA . C. 17.



2204331

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes la	a-r)							
a. Generator's US EPA ID Number	a. Generator's US EPA ID Number b. Manifest Docum					1 of			
d. Generator's Name and Location:		!	e. Generator's Mailing A	Addrase.		-			
Rheem Manufacturing Compa	anv .		_						
:39 Brampton Road	•		A&D Environmental Services, LLC 4943 Austin Park Avenue						
f. Phone: Savannah, GA 31406			g. Phone: Buford, GA 30518						
If owner of the generating facility differs fr	om the generator,	provide:	g. Friorie.						
h. Owner's Name:			i. Owner's Phone No.:						
j. Waste Profile #	j. Waste Profile # k. Exp. Date 1. Waste S			m. Con	tainers	n. Total	o. Unit		
		Description		No.	Туре	Quantity	WtVol		
				1					
31101420737		Non-Regu	lated Soll	Dų	រោទ		İ		
				1			₹ohs		
		ļ							
						 			
		İ							
	Ì					l			
GENERATOR'S CERTIFICATION: I here	by postify that the	shave named mate	rial is not a beneater		44 40 0				
state law, has been properly described, c	lassified and pack	above named mate aged, and is in prop	erans not a nazardous wa Per condition for transporta	iste as deline	o by 40 C	FR 261 or any	applicable		
waste is a treatment residue of a previous been reated in accordance with the requi	sly restricted haza	rdous waste subject	to the Land Disposal Res	strictions. I ce	rtify and v	varrant that the	waste has		
been treated in accordance with the requi	rements of 40 CF	R)269 and is no long	ger a hazardous waste as	defined by 4	0 CFR 26	1.			
(1006 GAZIT	K	UMA NA	at for bours for	.\	12/12	hu			
p. Generator Authorized Agent Name (Pri	nt) o	Signature	TO BUTTER IT	7					
II. TRANSPORTER (Gene			neporter completes il	lo o)	r. Date				
a. Transporter's Name and Address:	Tator complete	B IIa-D allu IIai	isporter completes in	ю-е)					
B&N Trucking	_	· ·							
1027 Bacon Road		3N 22							
Hinesville, GA 31313	١,	,,,,	(
b. Phone: 312 412 2402	· · · · · ·	1000	A	N a i-	7 .				
IX SDARRON Little	$\mathcal{E} $ $\mathcal{E} $	J'YLKKYX	Sour	> 17	417/14				
/c. Driver Name (Print)	/d. Sign	ature		e. Date					
III. DESTINATION (General	tor complete II	la-c and Destina	ation Site completes	IIId-a)					
a. Disposal Facility and Site Address:		c. US EPA Nun);				
Savannah Regional Industri	al Landfill	4							
b. S4 Cliffon Slvd Port Wentworth, GA 31407	912.964,2512								
I hereby certify that the above named ma	terial has been ac	cepted and to the b	est of my knowledge the f	oregoing Is in	ue and ac	curate.			
	150	Y		11,-		1-141			
e. Name of Authorized Agent (Print)	f. Signa			- 2010	1 6	, ,			
			complete IVe iV	g. Date					
IV. ASBESTOS (Generator	completes iva	I-I and Operator					·		
a. Operator's Name and Address:			c. Responsible Agency I	Name and Ad	dress:				
b. Phone:			d. Phone:						
e. Special Handling Instructions and Add	itional Information:	:							
f. ☐ Friable ☐ Non-Friable ☐ Both	% F	riable	% Non-Friable						
OPERATOR'S CERTIFICATION: I hereb	v declare that the	contents of this con	signment are fully and acc	curately desci	ibed abov	e by the prope	r shipping name		
and are classified, packaged, marked and	d labeled/placarde	d, and are in all res	pects in proper condition t	for transport a	ccording	to applicable in	temational and		
national governmental regulations.									
g. Operator's Name and Title (Print)	h. Sigr	nature		i. Date					
*Operator refers to the company which or	wns, leases, opera	ates, controls, or sur	pervises the facility being	demolished o	renovate	ed, or the demo	lition 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					
		71,360 27,400			21.98 43,960	18 h-37	TNROUND			
UNIT		ESCRIPTION			·	EXTENSION				
EA	FEE-HAUL/TRANS/TRUCK	CHATHAM	COUNTY	REGION		CATCHSION	IAX	TOTAL		
TN	SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE									
								NET AMOUNT		
undersign nu roverse	ed instituted signing this document on behalf side and that he or she has the authority to sig	of Customer acknowledges In this document on behalf	that he or she h	ias rend and u	nderstale the ter	ms and conditio	ns	TENDERED CHANGE CHECK*		
	D Env Calk Ogton L4207 SCALE SCALE TN	PORT WENTWORTH, GA 9 14 D Environmental Services, LL Calks Ferry Rd. Ogton, SC 29073 1420787 SCALE IN GROSS WEIGHT SCALE OUT TARE WEIGHT UNIT 0 EA FEE-HAUL/TRANS/TRUCK YD TN SW-CONT SOIL ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	PORT WENTWORTH, GA 912-964-2812 14 D Environmental Services, LLC Calks Ferry Rd. Ogton, SC 29073 1420787 SCALE IN GROSS WEIGHT 71,360 SCALE OUT TARE WEIGHT 27,400 UNIT DESCRIPTION EA FEE-HAUL/TRANS/TRUCK CHATHAM YD TN SW-CONT SOIL CHATHAM ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	PORT WENTWORTH, GA 912-964-2812 14 D Environmental Services, LLC Calks Ferry Rd. Ogton, SC 29073 1420787 SCALE IN GROSS WEIGHT 71,360 NET TO SCALE OUT TARE WEIGHT 27,400 NET WEI UNIT DESCRIPTION EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY YD TN SW-CONT SOIL CHATHAM COUNTY ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 14 D Environmental Services, LLC Calks Ferry Rd. Digton, SC 29073 L420787 SCALE IN GROSS WEIGHT 71,360 NET TONS SCALE OUT TARE WEIGHT 27,400 NET WEIGHT UNIT DESCRIPTION EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION TN SW-CONT SOIL CHATHAM COUNTY REGION ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 14 D Environmental Services, LLC Calks Ferry Rd. Ogton, SC 29073 L420787 SCALE IN GROSS WEIGHT 71,360 NET TONS 21.98 SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 43,960 UNIT DESCRIPTION RATE EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION TN SW-CONT SOIL CHATHAM COUNTY REGION ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	SA CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 14 D Environmental Services, LLC Calks Ferry Rd. 1420787 SCALE IN GROSS WEIGHT 71,360 NET TONS 21.98 SCALE OUT TARE WEIGHT 27,400 NET WEIGHT 43,960 UNIT DESCRIPTION RATE EXTENSION EA FEE-HAUL/TRANS/TRUCK CHATHAM COUNTY REGION TN SW-CONT SOIL CHATHAM COUNTY REGION ENVIRONMENTAL FEE 5 FUEL RECOVERY FEE	84 CLIFTON BLVD PORT WENTWORTH, GA 912-964-2812 14 15 16 17 18 18 19 1943785 1943786 19437		



2204333

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\underline{\bf NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Generate	or completes is	a-r)								
a. Generator's US EPA ID Number	b. Manifest Docur	c. Page 1 of								
d. Generator's Name and Location:		L	e. Generator's Mailing A	Address:						
Prieem Manufacturing Compa	Π¥		<u> </u>		= U.C					
139 Brampton Road	•		A&D Environmental Services, LLC 4943 Austin Park Avenue							
f. Phone: Savannah, GA 31408			g. Phone: Bufora, GA 30518							
If owner of the generating facility differs for	om the generator,	, provide:	g. i none.							
h. Owner's Name:			i. Owner's Phone No.:							
j. Waste Profile #	k. Exp. Date	I. Waste Ship	Shipping Name andm. Containersn. Totalo. Unit							
		Description		No.	Туре	Quantity	Wt/Vol			
31101420797		Non-Regu	lated Soil	וים	wb		_			
							7610			
		İ								
							i i			
	<u></u>		· · · · · · · · · · · · · · · · · · ·	-						
							1			
GENERATOR'S CERTIFICATION: I here	by cartify that the	above named male	gal is not a hazardaya wa	2010 00 40500	1 5 40.0	50.004				
state law, has been properly described, cl	assified and pack	aced, and is in prop	er condition for transports	stion according	to anniir	rk 261 or any :	applicable			
waste is a treatment residue of a previous	ly restricted haza	rdous waste subject	to the Land Disposal Res	strictions, 1 cer	tify and w	varrant that the	waste has			
been treated in accordance with the requi	rements of 40 CF	R 208 and is no long	ger a hazardous waste as	defined by 4	CFR 26	1.				
(AU) (0AZ70	L. L.	オックノイヘイト	KAJA FOR Grand	21.16	12/11/1	4				
b. Generator Authorized Agent Name (Pri	nt)	. Signature	1 3 C C C C C C	SALL)	r. Date	,				
II. TRANSPORTER (Gene			esporter completes li		1. Date					
a. Transporter's Name and Address:	iator compicte	25 na ayana mai	isporter completes in	IC- C)						
B&N Trucking	درسے	~(/								
1027 Bacon Road	S 5'	08								
Hinesville, GA 31313 b. Phone: 912 412 2402										
V. T. 1016. 9/24/224/2		011	DA.	1 / 1 -	5	4				
1 JOHN LASSION	CK X	effen/	Vasteraes	Y X 17	111/4					
c. Driver Name (Print)	d/sigh			e. Date						
III. DESTINATION (General	tor complete II	lá-c and Destina	ation Site completes	IIId-g)						
a. Disposal Facility and Site Address:	······································	c. US EPA Nun	nber d. Discrepancy Ind	dication Space	:					
				•						
Savannah Regional Industri	al Landhil									
b. Port Wertworth, GA 31407	912.964.2812	1								
I hereby certify that the above named mat	erial has been ac	cepted and to the b	est of my knowledge the f	oregaina is tn	se and ac	curate.				
	Y	100			-	1				
a Alama of Authorities Assault (Dried)	\(\frac{1}{2} \)			\ <u>'</u>						
e. Name of Authorized Agent (Print)	N Signa			g. Date						
IV. ASBESTOS (Generator	completes iva	1-1 and Operator					· · · · · · · · · · · · · · · · · · ·			
a. Operator's Name and Address:			c. Responsible Agency I	Name and Ad	dress:					
b. Phone:			d. Phone:							
e. Special Handling Instructions and Addit	tional Information:	•								
f. Friable Non-Friable Both		riable	% Non-Friable							
OPERATOR'S CERTIFICATION: I hereby										
and are classified, packaged, marked and	l labeled/placarde	ed, and are in all res	pects in proper condition (for transport a	ccording	to applicable in	temational and			
national governmental regulations.										
•	1									
g. Operator's Name and Title (Print)	h. Sigr			i. Date						
*Operator refers to the company which ov	vns, leases, opera	ates, controls, or sup	pervises the facility being of	demolished or	renovate	d, or the demol	ition ar			
renovation operation or both										

1741 Lexi	14 D Env Calk	WENTWO ironmen s Ferry , SC 2	NAH REGIONAL 84 CLIFTON I RTH, GA tal Services Rd. 9073	3LVD 912	TLL -964-2812		01 WEIGHMASTE SUSAIGE IN	014 1:5	•	TE/TIME OUT =12-2014 NTAINER	_1:52_pm OICE
OTY,		E IN E OUT	GROSS WEI	GHT	59,540 24,000		T TONS WEIGHT	17.77 35,540		INBOUND	
17.77		FEE-HAUL/TRANS/TRUCK CHATHAM COU					RATE	EXTENSION	TAX	TOTAL	
0.00		r nn-na	ul/Trans/Tri	JCK	CHATHAI	M COU	NTY REGION				
17.77 1.00 1.00	TN					4 COUR	TY REGION				
											NET AMOUNT:
										-	TENDEDED

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

R8-F041UPR (07/12)

2/21



2204057

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

I. GENERATOR (Gener	ator completes I	a-r)						
a. Generator's US EPA ID Number	ment Number							
N/A_				c. Pag	9 1 01			
d. Generator's Name and Location: Rheem Manufacturing Cor	прапу		e. Generator's Mailin	ng Address: onmental Service		1		
139 Brampton Road			4943 Austi	in Park Avenue	ies, LLL			
Savannah, GA 31408 f. Phone:			Buford, GA	30518				
If owner of the generating facility difference	s from the generator,	provide:	g. Phone:					
h. Owner's Name:								
j. Waste Profile #	k. Exp. Date	I. Waste Shir	i. Owner's Phone No pping Name and		ntainers	1		
		Description	pring i valine and	No.	Type	n. Total Quantity	o. Unit Wt/Vol	
31101420787		Non-Regu	lated Soil	0	ипр			
		_		_1		Tons		
		ĺ		1		1	1	
GENERATOR'S CERTIFICATION: I he state law, has been properly described	ereby certify that the	above named mate	rial is not a hazardous	waste as define	ed by 40 C	FR 261 or any	annlicable	
waste is a treatment residue of a previous been treated in accordance with the recommendation							waste has	
FAUL GAZZO	1	W/ 1						
p. Generator Authorized Agent Name (I	Print) a	Signature	SITE OF FOR C	rinneshaba)		10/14	···	
II. TRANSPORTER (Ger	nerator complete	s Mach and Tran	enorter complete	s lle el	r. Date	· · · · · · · · · · · · · · · · · · ·		
a. Transporter's Name and Address:	-	o jo b and mai	isporter completes	S IIC-E)				
1027 Bacon Road	$O_{\mathbf{A}}$	13 -7						
Hinesville, GA 31313	15 N	D -						
b. Phone: 912.412.2402								
V Clarence Littles	√ ('	laisno.	1.11	V 12	112/14	/		
c. Driver Name (Print)	d. Signa		NI JUEN	e. Date	1121.9	<u></u>		
III. DESTINATION (Gener			tion Site complete	es (lid-a)				
a. Disposal Facility and Site Address:		c. US EPA Num			e:		***************************************	
Savannah Regional Indus	itrial Landfill							
€ 34-Clifton Bivd								
b. Post Wentworth, GA 3140		<u></u>						
I hereby certify that the above named m	naterial has been acc	epted and to the be	est of my knowledge th	e foregoine is tr	ue and ac	curate.		
		3		()	-/-)	-161		
e. Name of Authorized Agent (Print)	f. Signa			g. Date				
IV. ASBESTOS (Generato	or completes IVa-	f and Operator	complete IVg-i)					
a. Operator's Name and Address:			c. Responsible Agenc	y Name and Ad	dress:			
h Dhana								
b. Phone: e. Special Handling Instructions and Ad	ditional Information:		d. Phone:					
or openior remaining monderior and re	diuditai iilidiiliaadii.							
f. ☐ Friable ☐ Non-Friable ☐ Bo	45 0/ 5	·						
f. Friable Non-Friable Bo OPERATOR'S CERTIFICATION: I here	th % Fr	lable ontents of this cons	% Non-Friable	novembly door	ibad abau	- h 4h		
ano are ciassilleo, packageo, markeo a	nd labeled/placarded	l, and are in all resp	ects in proper condition	n for transport a	rocoldino (e by the proper to applicable into	snipping name emational and	
national governmental regulations.								
g. Operator's Name and Title (Print)	h. Signa	ature		i. Date				
*Operator refers to the company which	owns, leases, operat	es, controls, or sup	ervises the facility bein	g demolished or	renovate	d, or the demoli	tion or	